



2016 - 2017 COLLEGE CATALOG

JOHN A. LOGAN COLLEGE



WHY
WOULD
YOU GO
ANYWHERE
ELSE?

This catalog is updated on an annual basis.

College Mission: *John A. Logan College is a diverse learning and teaching community committed to improving individual life and society through high-quality, accessible educational programs and engaged-learning opportunities.*

John A Logan College

700 Logan College Road
Carterville, IL 62959

(618) 985-3741

(618) 985- 2248 (fax)

(800) 851-4720

<http://www.jalc.edu>

Alongi Du Quoin Extension Center
72 Southtowne Shopping Center
Du Quoin, IL 62832
Phone: 618-542-9210
Fax: 618-542-9152

West Frankfort Extension Center
19 West Frankfort Plaza
West Frankfort, IL 62896
Phone: 618-932-6639
Fax: 618-932-6263

Southern Illinois Collegiate Common Market
3213 S Park Ave
Herrin, IL 62948
Phone: 618-942-6902

Accredited by:

The Higher Learning Commission
230 South LaSalle Street, Suite 7-500
Chicago, IL 60604-1411
<https://www.hlcommission.org/>

Recognized by:

Illinois Community College Board
Illinois Board of Higher Education
Illinois State Board of Education
Illinois Department of Veterans Affairs

An Institutional Member of:

Southern Illinois Collegiate Common Market
3212 S Park Avenue
Herrin, IL 62948

For the most up to date information visit the college website.

Why Would You Go Anywhere Else

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John A. Logan College Facts

The John A. Logan College district consists of one central campus and extension centers in the towns of DuQuoin and West Frankfort. Many courses in baccalaureate transfer, career education, continuing education and adult literacy are taught in high schools and public facilities throughout the five-county district. The College takes pride in providing high-quality, affordable education to its citizens. JALC is in very close proximity to a four-year educational institution, Southern Illinois University-Carbondale (SIU-C). Please see a district map in the supplemental materials section at the end of this document. The College district serves the following high school districts in Illinois: Marion, Johnston City, Herrin, Crab Orchard, Carterville, Carbondale, Tri-Co, Elverado, Murphysboro, West Frankfort, and DuQuoin. The area has a long history of manufacturing and coal-mining. With closures of many mines and manufacturing plants, the College has successfully worked with state and local agencies to provide transition services and training programs to help these workers obtain degrees and training to obtain employment.

<i>Type of College:</i>	Public two-year comprehensive community college
<i>Founded:</i>	1967
<i>Location:</i>	700 Logan College Rd. Carterville, Illinois 62918, 618-985-3741 or (800) 851-4720
<i>Extension Centers:</i>	Alongi Du Quoin Extension Center, located at 72 Southtowne Shopping Center Du Quoin, IL. 62832, 618-542-9210 West Frankfort Extension Center, located at 19 West Frankfort Plaza West Frankfort, IL. 62896, 618-932-6639
<i>Academic Calendar:</i>	Academic calendars are located on the JALC website, www.jalc.edu and a yearly calendar is printed in the catalog.
<i>College District:</i>	#530 Jackson, Williamson Counties; portions of Franklin, Jackson, Perry and Randolph Counties
<i>Current President:</i>	Ron House, PHD - October, 2015 to present
<i>Current Budget:</i>	\$ 58,204,775
<i>Annual Enrollment:</i>	Approximately 9,945 full and part-time students
<i>Tuition:</i>	In-district \$115 for FY 2017
<i>Library:</i>	55,949 physical collections 36,203 number of books 118 magazines and journals 12,325 government documents 624 DVD 3,087 VHS 25,681 EBSCO E-Books 47,309 3M E-Books 1,099 miscellaneous E-Resources Streaming Videos – 8 databases – over 20,000 titles. Journals, Magazines, Newspaper Articles, Articles from books, Miscellaneous – 30+ databases including thousands of full text titles.
<i>Faculty/Staff:</i>	604 employees, 62 full-time faculty, 166 term faculty, 167 part-time staff, and 209 full-time staff

Programs of Study: Associate of Arts
Associate in Science
Associate in Applied Science (37)
Certificates of Achievement (33)
A comprehensive list of programs are available at www.jalc.edu

In-district population: 143,000

School Districts: 11 public, 2 private

Past Presidents:

Dr. Nathan Ivey	1968 to 1973
Dr. Thomas E. Deem	1973 to 1974
Dr. Robert E. Tarvin	1974 to 1982
Dr. Harold R. O'Neil	1982 to 1989
Dr. Ray Hancock	1989 to 2000
Dr. Robert L. Mees	2000 to 2012
Dr. Mike Dreith	2012 to 2015



History of John A Logan College

John A. Logan College (JALC) is an open admission, comprehensive community college designed to provide high-quality, affordable educational opportunities to its citizens. The College owes its existence to the Illinois Public Community College Act of July 15, 1965 which provided legislation to create a junior college system in the state of Illinois. John A. Logan College district citizens approved the creation of the Junior College district in September, 1967.

The College is named in honor of John Alexander Logan, a prominent southern Illinoisan whose political career led from county clerk to U.S. Congressman. During the Civil War, Logan volunteered as a citizen soldier and fought in eight major campaigns and is considered one of the premier volunteer generals of the Civil War. After the war, Logan returned to Congress and he helped found Memorial Day as a national holiday. In 1871, and again in 1874, Logan was elected to the U.S. Senate and was James G. Blaines' vice-presidential running mate. Throughout his political career, he was a strong advocate for public education. Logan drafted legislation that established normal schools, teachers' institutes, and instruction in the industrial and mechanical arts.

Senator Logan's speech in support of this public education legislation attracted attention throughout the country. His emphasis on planning for the future helped to refocus and rebuild the nation. The College motto, "To education must we look . . .," is derived from the following excerpt:

"To education, therefore, must we look for all the elements of national strength, and the more generally it is diffused and the higher its grade, in like proportion will our national power be increased." (Congressional Record, March 16, 1882)

John A. Logan College offers comprehensive programming to serve the needs of citizens in Jackson and Williamson counties and portions of Franklin, Perry, and Randolph counties. Governance of the College resides with an elected seven-member Board of Trustees. The College is a community minded organization that focuses on the needs of its students and communities. Dual credit programs assist high school students in the transition to college. Transfer programs articulate with colleges and universities in the state of Illinois and surrounding states. Career programs support students who desire a one- or two-year program to enter the workforce. The Corporate Education program offers training and services to workers and displaced workers. For many years, John A. Logan College has been a leader in the State of Illinois in providing customized training. The College also has very comprehensive adult and continuing education programs.



Message from the President

Dear Students:

Welcome to John A. Logan College,

I am pleased to have you as a student at John A. Logan College. I hope you find the information within this Catalog to be useful in helping you make decisions about your program of study, and I urge you to contact one of the offices on campus if you need additional information or assistance.

John A. Logan College has something for everybody with a diverse student body that includes a mix of both traditional college age students and adult learners who are either re-entering higher education or starting a new chapter in their lives. John A. Logan College offers over 100 degree programs in both traditional baccalaureate transfer and occupational programs. Students can earn their associates degree and transfer easily to a senior institution or go directly into the workforce.



To help insure student success the College's Student Services division provide students with guidance from prior to enrollment through graduation. Academic advisement, student support services, financial assistance, and career counseling are just some of the benefits students receive at John A. Logan College.

The campus is located in the heart of southern Illinois on 169 manicured acres with well-maintained buildings providing a safe learning environment for students. The College's highly trained police force is visible on campus and committed to providing the best possible service to students and staff. The college also has a dining service, coffee shop, and book store centrally located on campus for your convenience.

I think you will find that John A. Logan College is committed to providing a high quality low-cost education to our students. The College is fully accredited by the Higher Learning Commission, the Illinois Community College Board, and the United States Department of Education. John A. Logan College is a state and national leader in community college education, and while we know that you have many choices when it comes to your college education we believe that with JALC why would you go anywhere else.

Cordially,

Ronald K House

Ron House,

President

Board of Trustees



Donald L. Brewer, Chair
William J. Kilquist, Vice Chair
Jacob “Jake” Rendleman, Secretary
Glenn Poshard
Cheryl Graff
Jaclyn Hancock
Ray Hancock
Christine Lipe, Student Representative

Officers of the College

Ron House, President
Brad McCormick, Vice-President for Business Services
Melanie Pecord, Acting Vice-President for Instructional Services



John A Logan College Directory

Campus Operator 618/985-2828
 Toll Free Number 800-851-4720
 TTY (College Hearing-Impaired Access Number).... 618/985-2752
 Admission and Records Fax Number 618/985-4433

Name	Ext #	Room #
Admissions and Records	8298	C201
Athletics	8439	C101
Book Store.....	8128	Building C
Bursars Office	8201	C213
Cafeteria/Chartwell's	8335	C113
Campus Safety Department.....	8218	E120
Campus Support Services	8381	C115
Career Education	8207	G204
Career Services	8424	C215
Center for Business and Industry	8506 – 8510.....	H202
CHEC (Community Health Education Complex).....	8502	J-Building
Child Care Center.....	8246 – 8682.....	D270
Continuing Education	8248	H104
Dual Credit	8134	C203B
DuQuoin Alongi Extension Center	618/542-9210	
Facility Scheduling	8343	C109
Financial Aid	8308	C210
Foundation.....	8437 – 8355.....	B33
GED	8539 – 8266	H105
High School (ASE)	8349	H105
Information Technology	8388	E108
Institutional Research	8493	B30
Instructional Services (Academic Affairs).....	8386	G204
Learning Lab	8277	C227
Learning Resource Center (LRC).....	8278	C230
Library	8338	C123
Mail Room.....	8381	C115
Maintenance	8208	E102
Man-Tra-Con	8239	C143
Payroll	8614	C114
Personnel Office	8273 – 8543	C116
President's Office	8408	A1
Shipping and Receiving.....	8419	E103
SICCM.....	942-6902	SICCM
SIU System Service Center	8295	C200
Student Activities	8287 – 8416	B29
Student Success Center	8289	C219
Testing Services	8518 – 8520 – 8497	C205
Tutoring/Counseling.....	8304	C219
Veterans Affairs.....	8422	C206
West Frankfort Extension Center.....	618/932-6639	

John A. Logan College Instructional Calendar

2016-2017

Summer Semester 2016	
Advisement Continuing students.....April 4 New students.....April 18 Late RegistrationJune 6-June 15 Last day to registerJune 15 Instruction begins June 13, 2016	Last day to withdraw with 100% refundJune 20 Last day to withdraw with “W” gradeJuly 28 Holiday—Independence Day.....July 4 Final Exams August 4

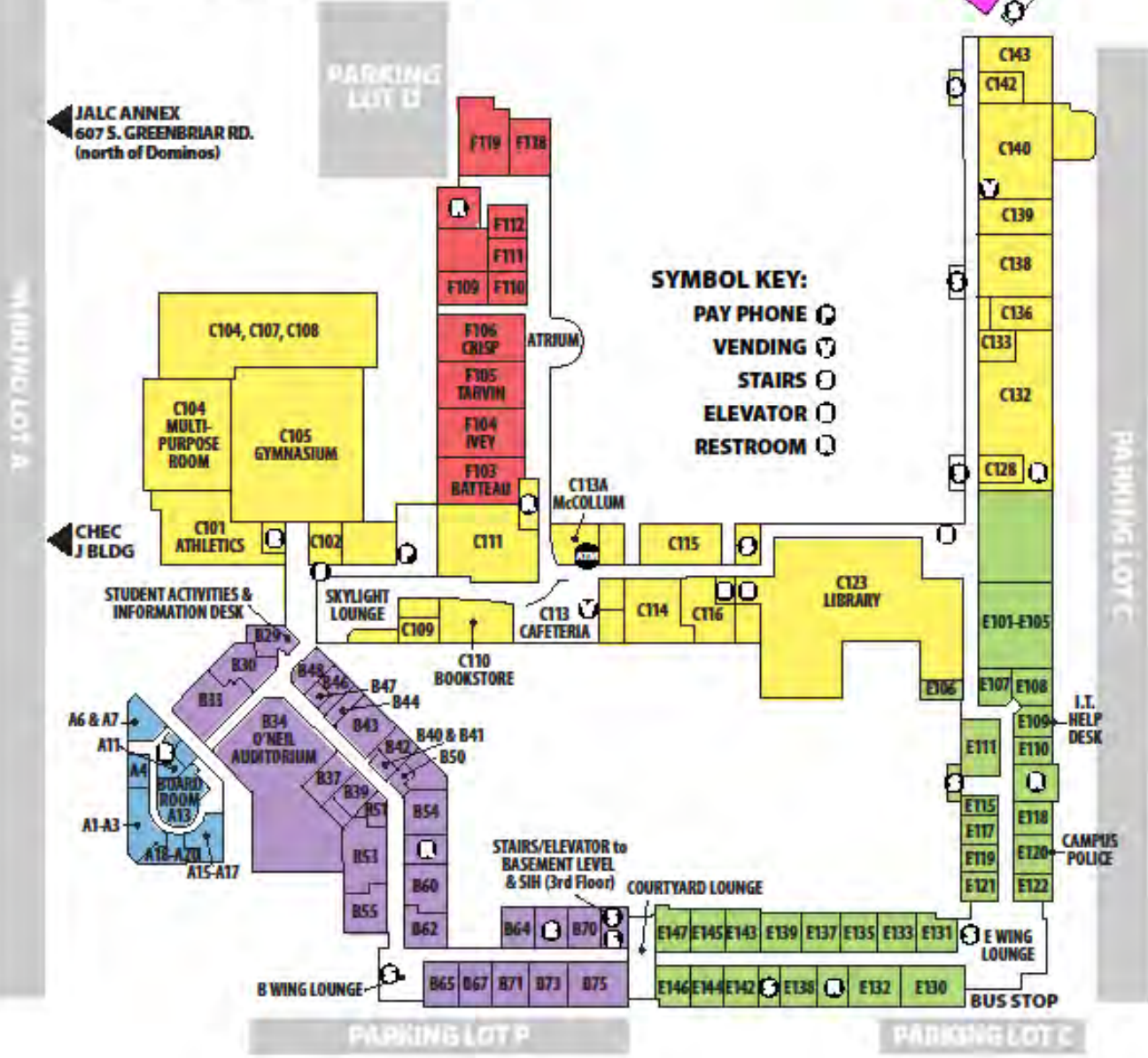
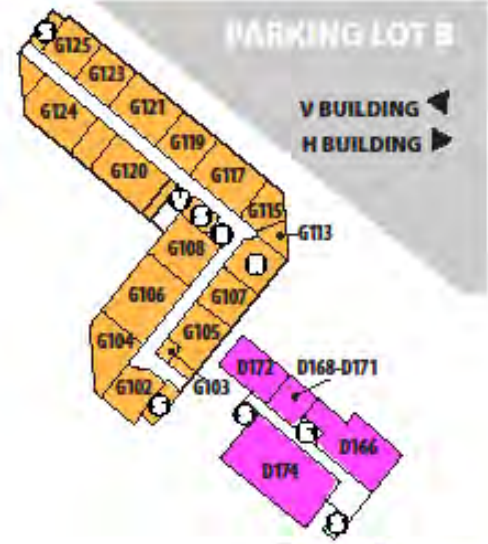
Fall Semester 2016	
Advisement Continuing students..... April 4 New students.....April 18 Late Registration August 10-August 23 Last Day to Register August 23 Faculty & Staff Meeting.....August 16 Instruction begins Aug. 17, 2016 Block Scheduling first halfAug. 17 (W)—Oct. 12 (W) second half.....Oct. 13 (TH)—Dec. 9 (F)	Last day to withdraw with 100% refund first half block.....August 23 full semester courses.....August 30 second half block.....October 19 Last day to withdraw with “W” grade first half blockSeptember 30 full semester and second half block.....November 28 Holidays Labor Day.....September 5 Fall Break.....October 10 & 11 Veteran’s Day.....November 11 Thanksgiving Break (Wed.—Sat.).....Nov. 23—26 Christmas.....December 25 Final exams (M-TH) December 12-15

Spring Semester 2017	
Advisement Continuing students.....October 31 New students.....November 14 Late RegistrationJanuary 5-January 18 Last Day to Register January 18 Instruction begins January 11, 2017 Block Scheduling first half.....Jan 11(W)-March 7 (T) second half.....March 8(W)-May 8 (M) Last day to withdraw with 100% refund first half block.....January 17 full semester courses.....January 25 second half.....March 21	Last day to withdraw with “W” grade first half block..... February 24 full semester and second half block.....April 28 Holidays New Year’s Day.....January 1 Martin Luther King’s Birthday.....January 16 President’s Day.....February 20 Spring Break (Mon.—Sat.).....March 13-18 Good Friday (Fri).....April 14 Memorial Day.....May 29 Final exams (T-F) May 9-12 Commencement.....May 11 & 12 Students with the last name beginning A-J May 11, 2017 Students with the last name beginning K-Z May 12, 2017

** Provides sufficient duration and contact hours to meet ICCB Administrative Rules requirements of Section 1501.309(b). Final exam schedule will be adjusted if any emergency days are used during the semester. Revised: December 2016*

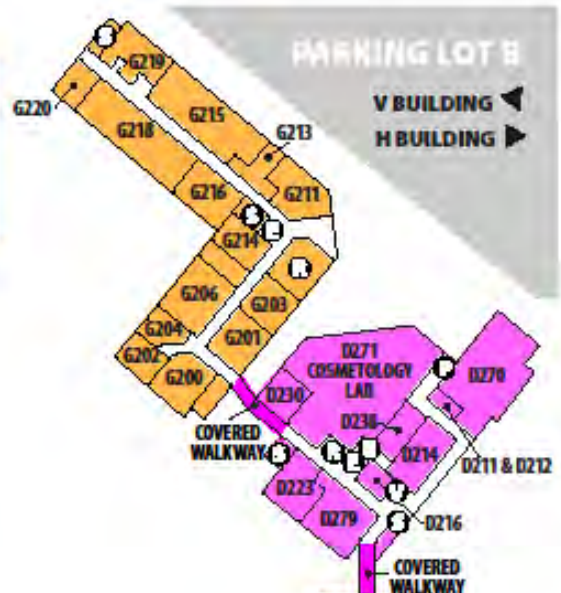
JOHN A. LOGAN COLLEGE MAIN CAMPUS FIRST FLOOR

- ATHLETICS C101
- BOOKSTORE C110
- CAMPUS POLICE E120
- CONFERENCE CENTER F WING
(BATTEAU, IVEY, TARVIN, & CRISP)
- DENTAL CLINIC D174
- FOUNDATION B33
- HUMAN RESOURCES C116
- I.T. HELP DESK E109
- MCCOLLUM ROOM C113A
- STUDENT ACTIVITIES AND INFORMATION DESK ... B29



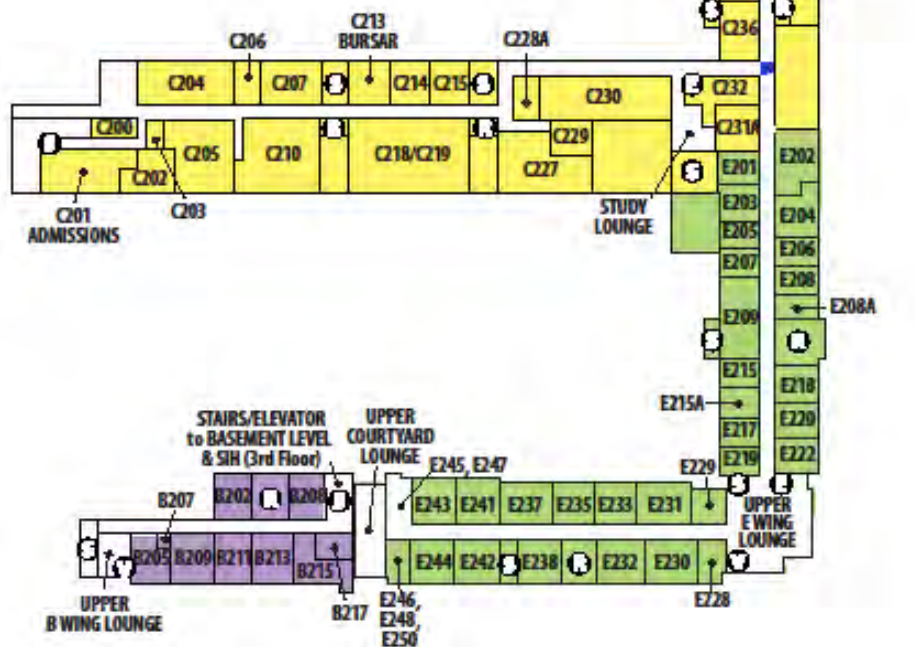
JOHN A. LOGAN COLLEGE MAIN CAMPUS SECOND FLOOR

ACADEMIC ADVISEMENT CENTER.....	C204
ADMISSIONS	C201
BIOLOGY HELP ROOM	C243A
BURSAR	C213
CAREER SERVICES.....	C215
CHILD CARE CENTER.....	D270
CHILD CARE RESOURCE & REFERRAL.....	JALC ANNEX
COMPUTER LAB	C238
COSMETOLOGY LAB	D271
D2L/ONLINE COURSE HELP.....	C230
FINANCIAL AID	C210
GALLAUDET MIDWEST CENTER.....	C202B
LEARNING LAB	C227
MAN-TRA-CON	H202
MISSOURI BAPTIST UNIVERSITY OFFICE	C203B
NURSING PROGRAMS.....	G220
SIU SERVICE CENTER	C200
STUDENT MULTI-MEDIA LAB	C231A
STUDENT SENATE	C200C
STUDENT SUCCESS CENTER.....	C218
TESTING SERVICES.....	C205
VETERANS RESOURCE CENTER.....	C206
WRITING CENTER.....	C214



SYMBOL KEY:

- PAY PHONE ☎
- VENDING 🗑
- STAIRS 🌀
- ELEVATOR 🚪
- RESTROOM 🚻



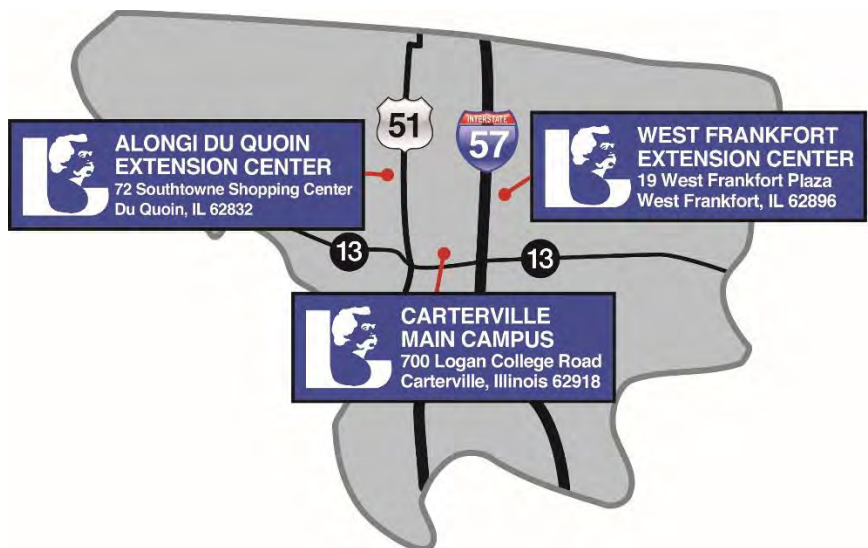
College Locations



Main Campus: John A. Logan College, 700 Logan College Road, Carterville, Illinois 62918. Located on Rt. 13.

Driving Directions

Get driving directions to any of our campus locations. [Google Maps](#)



John A. Logan College Extension Centers

The presence of the extension centers allows traditional and non-traditional students to pursue or continue their education because the students are able to attend classes that are close to home. The extension centers offer a variety of general education, liberal arts, basic adult education, continuing education and children's classes. The extension centers provide opportunity for students to attend classes close to home, prepare for the GED, learn skills to become an effective employee and parent, gain knowledge in basic computer skills, and address other interests of the community, as well as provide wholesome activities for children.

The extension centers allow students to utilize information, applications, financial aid forms, advisement, a place to study, pay tuition, and have access to the computer lab. The extension centers are a place where personal contact with students and citizens of the communities are valued. Knowing the needs of the students and the community, providing information, attending organizational meetings, and offering specific classes students want are just a few examples. The facility provides a pleasant and quiet atmosphere and is easily accessible to those in the surrounding communities.

Alongi Du Quoin Extension Center: The Alongi Du Quoin Extension Center is located on U. S. 51 south in the Southtowne Shopping Center. The center is host to regular College classes as well as to adult and continuing education classes, children’s classes, and seminars for business and industry.



Address:

*John A. Logan College
Alongi Du Quoin Extension Center
72 Southtowne Shopping Center
Du Quoin, IL 62832*

Phone: 618-542-9210

Fax: 618-542-9152

Office Hours

Monday – Thursday 8:00 am – 9:00 pm

Friday 8:00 – 4:30 p.m.

Courses Offered: General Education, Nursing, Developmental, Continuing Education, GED

Rooms:

- 5 Smart Classroom (1 used strictly for GED classes)
- 3 Offices
- 1 Small Computer Lab/Testing room/Study room
- 1 Computer Lab
- 1 Break room
- 1 Nursing Lab – Used strictly for nursing students

Staff Contact Information

Roger Von Lanken **Coordinator, Academic Advisor**
rogervonlanken@jalc.edu

Sherry DeAngelo, **Literacy Coordinator**
sherrydeangelo@jalc.edu

Dawn Ellermeyer, **Secretary**
dawnhooker@jalc.edu

West Frankfort Extension Center: The West Frankfort Extension Center is located at 19 West Frankfort Plaza, West Frankfort. The center is the site for regular College courses as well as for adult and continuing education classes, children’s classes, and seminars for business and industry.



Address:

*John A. Logan College
West Frankfort Extension Center
19 West Frankfort Plaza
West Frankfort, IL 62896*

Phone: 618-932-6639

Fax: 618-932-6263

Rooms:

- 3 offices
- 5 smart classrooms (1 specifically for GED)
- 1 computer lab (20 computers)
- 1 computer lab/study room/testing room (5 computers)
- 1 nursing lab

Staff Contact Information

Beth Porritt, **Coordinator West Frankfort Extension Center**

bethporritt@jalc.edu

Susan Ely, **Administrative Specialist III**

susanely@jalc.edu

SICCM - Southern Illinois Collegiate Common Market

The Southern Illinois Collegiate Common Market (SICCM) is a 501(c)(3) not-for-profit corporation organized in 1973. SICCM was organized to provide a means of sharing human and material resources in higher education to fast-growing institutions within the consortium. The members of the organization are John A. Logan College at Carterville, Kaskaskia College at Centralia, Rend Lake College at Ina, Shawnee Community College at Ullin, Southeastern Illinois College at Harrisburg, Southern Illinois University Carbondale, and Southern Illinois University Edwardsville.

***Address:***

*Southern Illinois Collegiate Common Market
3213 S Park Ave
Herrin, IL 62948*

Phone: 618-942-6902

Statement of Mission and Goals

Mission Statement

John A. Logan College is a diverse learning and teaching community committed to improving individual life and society through high-quality, accessible educational programs and engaged-learning opportunities.

Mission Goals

- To foster an environment where diverse individuals, groups, and views are valued.
- To provide programs and services for lifelong learning that create and enhance opportunities for achieving career and personal goals in a changing society.
- To serve with integrity and accountability as a model of institutional excellence.
- To offer affordable programs and services enhanced by technology in an accessible and safe learning and working environment.
- To be a center for intellectual, economic, cultural, and recreational resources for individuals and communities.

Vision: Learning for Life

John A. Logan College strives to be a learning-centered institution that prepares students for effective global citizenship and responds to regional needs.

Philosophy

John A. Logan College believes in the inherent worth and dignity of the individual. Derived from that belief is the concept that education is important to the cultural, intellectual, and social enlightenment of the individual; that high-quality educational opportunities are the right of the citizens to whom the College belongs; and that education is vital to the area's economic growth.

Because our citizens have worth, dignity, and potential regardless of their age, economic status, or social station, the College assumes the obligation

to serve its citizens through an open-admission concept with lifelong learning opportunities. Within the limits of the College's ability to attain and maintain a solid financial base, it is ready and eager to provide low-cost traditional and non-traditional education opportunities whenever, wherever, and however they are needed by the citizens to improve the quality of their lives.

Core Values

- Responsibility
- Respect
- Integrity
- Compassion
- Service



Accountability

Assessment

John A. Logan College recognizes that assessment of student learning is central to its mission and has developed a systematic and purposeful process for the assessment of student learning based on five student learning outcomes. To learn more about assessment visit the [JALC Assessment](#) web page.

Student Learning Outcomes

The faculty and staff of John A. Logan College are committed to providing students with opportunities to develop learning abilities that will last a lifetime. Graduates will be prepared to succeed in their personal and professional lives because of achieved competence in the following student learning outcomes:

1. **Communication:** Students express thoughts, ideas, and feelings in both written and oral modes. Students will demonstrate one or more of the following:
 - a. Articulate and select appropriate purposes for reading, writing, speaking, and listening, as individuals and in groups.
 - b. Engage in the stages of the written and oral communication process.
 - c. Select, organize, and present details to support a main idea.
 - d. Demonstrate knowledge of target audiences' expectations and values in the communication process.
 - e. Select appropriate rhetorical strategies for writing and speaking.
 - f. Apply appropriate reading strategies to comprehend literature, nonfiction, and academic texts.
2. **Critical Thinking:** Students apply a rational and methodical approach to problem solving based on use of appropriate evidence. Students will demonstrate one or more of the following:
 - a. Develop analytical skills to interpret, evaluate, and synthesize information across disciplines.
 - b. Interpret and evaluate statements, theories, problems, and observations from different points of view to make appropriate inferences.
3. **Cultural and Global Awareness:** Students demonstrate an understanding of the influence of culture and society. Students will demonstrate one or more of the following:
 - a. Identify the influence of history, geography, the arts, humanities, and the environment on individuals and their cultural development.
 - b. Differentiate subjective opinions and ideologies based on social and individual bias from objective findings and data.
4. **Information Literacy:** Students locate, evaluate, retrieve, organize, create, and disseminate information. Students will demonstrate one or more of the following:
 - a. Integrate information from various sources.
 - b. Distinguish between credible and non-credible scholarly information.
 - c. Cite information and sources correctly.
 - d. Demonstrate the ability to access and use information legally and ethically in appropriate disciplines.
5. **Quantitative Reasoning:** Students use and understand numbers to interpret, evaluate, and express information in quantitative terms. Students will demonstrate one or more of the following:
 - a. Interpret, analyze, and solve problems.
 - b. Differentiate among reasonable and

plausible results.

- c. Interpret, evaluate, and present data.

Equal Opportunity Statement for Students and Employees (Board Policy 3510)

John A. Logan College is an equal opportunity institution.

John A. Logan College is committed to equal access and equal opportunity for all students. Admission, financial aid, student employment, curriculum requirements, extracurricular participation, counseling, placement service, athletic programs, or any other service or program of the College shall be provided without regard to race, religion, color, national origin, ancestry, marital status, citizenship status, disability, age, order of protection status, arrest record, sexual orientation (including gender-related identity), military status, unfavorable discharge from military service, language, pregnancy or genetics when such College activity is consistent with the applicable laws and regulations. The admission and retention of (as well as services, programs and activities for) students with identified disabilities will be in accordance with applicable laws and regulations.

The College is also committed to equal opportunity for all employees. Every effort shall be made to insure that all employment decisions, including the hiring, terms and conditions of employment, wages/salaries, promotion, layoffs, retentions, terminations, training, benefits, and social recreation programs, shall be administered without regard to race, religion, color, national origin, ancestry, marital status, citizenship status, disability, age, order of protection status, arrest record, sexual orientation (including gender-related identity), military status, unfavorable discharge from military service, language, pregnancy, protected veteran status or genetics.

All grievances filed by a student shall be in accordance with the procedures established in Board Policy 3512 and published in the RIGHTS AND RESPONSIBILITIES: A STUDENT CODE OF CONDUCT. All grievances of any employee shall be filed and handled in accordance with the Board approved grievance system contained in Board Policy 3511. These procedures also apply to Title IX (sex equity),

Section 504 (handicapped), and Title VI (minorities) complaints.

Questions in reference to educational opportunities in relation to sex equity (Title IX), handicapped (Section 504), and minorities (Title VI) should be directed to:

College employees should contact:
John A. Logan College
Executive Director of Human Resources
700 Logan College Road, Room A15
Carterville, Illinois 62918
Telephone: (618) 985-2828, Ext. 8589,
or TTY (618) 985-2752

Students should contact:
Vice-President for Instruction
700 Logan College Road, Room C116
Carterville, Illinois 62918
Telephone: (618) 985-2828, Ext. 8362,
or TTY (618) 985-2752

Persons who believe they have been denied equal opportunity may have the right to file and pursue claims through the Illinois Department of Human Rights, the Human Rights Commission and the U.S. Equal Employment Opportunity Commission (EEOC).

These agencies can be reached at:

Human Rights Commission William G. Stratton
Office Building Suite 802 Springfield, Illinois 62706
Tel: (217) 785 - 4350 TDD: (217) 557 - 1500 Fax:
(217) 524 - 4877

Illinois Department of Human Rights Springfield
Office 222 South College, Room 101-A, Intake Unit
Springfield, IL 62704 TEL: (217) 785-5100 TTY: (866)
740-3953

EEOC Chicago District Office 500 West Madison
Street Suite 2000 Chicago, Illinois 60661 Phone: 1-
800-669-4000 Fax: 312-869-8220 TTY: 312-869-
8001

Discrimination/Equal Opportunity Grievance Policy for John A. Logan College Students (Board Policy 3512)

All grievances filed by students shall be in accordance with the procedures established in **Board Policy 3512** as published in [Rights and Responsibilities: A Student Code of Conduct](#).

Requests for further information or action on complaints should be directed to the Vice President for Instruction, Administration Building, John A. Logan College, 700 Logan College Road, Carterville, Illinois 62918, phone (618) 985- 3741, extension 8362.

Educational Guarantees: JALC issues educational guarantees applicable to graduates of the Associate in Arts, Associate in Arts in Teaching, Associate in Fine Arts, Associate in Science, Associate in Engineering Science, Associate in Applied Science and career certificate programs, subject to specific conditions and program approval. Transfer program guarantees assure the student that Illinois Articulation Agreement approved courses will transfer to the Illinois four-year public institution chosen by the student. Occupational guarantees assure the student and employer that a graduate has learned entry-level skills. Further information is available through the Admissions Office for programs covered by the educational guarantee.

Release of Student Information and Access to Student Records (Board Policy 8430): John A. Logan College maintains individual records and information about students for the purpose of providing educational, vocational, and personal services to the student. For the purpose of complying with federal regulations regarding the access to student records, as indicated in the Family Educational Rights and Privacy Act of 1974 as amended, the following regulations and procedures are effective. These policies shall be printed on an annual basis in the school newspaper and/or in the College catalog established. To read this policy in its entirety link to **9 5 Board Policy 8430**.

Use the link provided to print [Request to Prevent Disclosures of Directory Information](#) form. The completed form can be submitted to Admissions

and Records Office, Room C201, 700 Logan College Road, Carterville, IL 62918.

Student Complaints (Board Policy 8316)

John A. Logan College is committed to continuously improving academic and non-academic support services and recognizes that student complaints are helpful in fulfilling this commitment. The College systematically addresses and documents student complaints in a timely manner. The process is outlined in the [Rights and Responsibilities: A Student Code of Conduct](#).

Administration of the Freedom of Information Act (Board Policy 8431)

John A. Logan College will use the following procedures in an effort to provide information to the public under the requirements of Illinois Revised Statutes, Chapter 116, Section 206, et seq. (Freedom of Information Act):

1. Any person seeking electronic or other records from John A. Logan College may do so by contacting the office of the president of John A. Logan College, 700 Logan College Road, Administration Building, Carterville, Illinois, 62918. Requests will be processed in accordance with the provisions of the Freedom of Information Act. In order for requests to be processed, the College requires that the request be received in writing and include, at a minimum, the information listed below:
 - a. the name, address, and phone number of the requestor.
 - b. a description of the information requested.
 - c. an indication of whether the records are to be inspected at the College offices or mailed to the requestor and, if mailed, whether or not such copies are to be certified or handled in any other special way.
 - d. the date of the request and when a response to the request is desired or required.
2. All requests to provide this information must be submitted in letter form to the office of the

- president of the College and must be signed by the requestor.
3. Records that are requested and approved for release may be inspected at the College administration building, office of the president, between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday, except on designated holidays or other times when the College offices are officially closed.
 4. Records which are stored and retrieved by electronic data processing means will be printed, as appropriate, and provided to the requestor. If information is requested on a disk or tape format, the requestor must furnish a disk or tape to the College.
 5. Information requests that necessitate special computer analyses or other interpretation will be handled within a time frame determined to be appropriate by the president of the College.
 6. Computerized and paper copy unit record data containing information on individuals (student enrollment and completion records and faculty and staff records, for example) will be provided as appropriate under state and federal law under the following conditions:
 - a. there is written agreement from the requestor that the data will be used only for specified research purposes.
 - b. there is written agreement for the requestor that the data will not be provided to a third party.
 - c. record identifiers (social security numbers) will be removed before records are released by the College unless the data release is covered under the Family Educational and Privacy Act, 20 U.S.C. Section 1232g (b) (1). This section indicates that records may be disclosed to "other school officials, including teachers within the educational institution or local educational agencies, "who have been determined by such agency or institution to have "legitimate educational interests."

7. All data provided in whatever format will be provided to the requestor on the basis of cost of time and material to prepare the data. The cost will be determined on the basis of current costs of labor and material as determined by the College business office at the time of the request.

Tuition and Fees

Tuition (Board Policy 7310)

In-district students will pay tuition as approved by the Board of Trustees.

Out-of-district students will pay a minimum of 1.5 times the highest in-district tuition rate of any of John A. Logan College's neighboring contiguous Illinois community college districts. Students who qualify for charge-back payments by their home district will pay the same rate as in-district students.

Out-of-state students will pay a minimum of 1.67 times the in-district tuition rate of John A. Logan College.

Out-of-country students will pay per capita cost as calculated by the treasurer of the board.

All on-line and hybrid classes will be billed at the current in-district rate plus 10%, rounded to the nearest dollar, for all students regardless of residency.

Tuition – In-District	\$115.00 per credit hour
Tuition – Online Courses	\$127.00 per credit hour
Tuition – Out-of-District	\$165.00 per credit hour
Tuition – Out-of-State	\$193.00 per credit hour
Tuition – International	\$400.00 per credit hour
Technology Fee	\$5.00 per credit hour
Graduation Fee	\$10.00

Return Check Fee	\$15.00
Transcript Fee	\$6.00 – online requests \$8.00 – in-person requests
Student Activity Fee	\$60.00 – students enrolled in 6 or more transferable hours for fall or spring terms \$40.00 – students enrolled in 3 or more transferable hours for summer terms
Test Proctoring Fee	\$25.00 – applicable for tests proctored at the request of other institutions
Specific Course Fees	Click here for specific course fee listing
Allied Health Restricted Program Costs	Click on the link below for specific program costs: *Associate Degree Nursing *Associate Degree Nursing Hybrid Online *Dental Assisting *Diagnostic Cardiac Sonography Massage Therapy Medical Assistant Medical Laboratory Technology Nursing Assistant Occupational Therapy Assistant *Practical Nursing Surgical Technology *Variable tuition rates apply

These figures were accurate at the time the catalog was published.

Establishment of Fees (Board Policy 7315)

Based on the cost of materials and services and for the smooth functioning of the College, the president shall establish all fees, and he shall have the authority to change these fees as necessary. All such fee changes and new fees shall be reported to the Board of Trustees at its next regular meeting following the date of the change or addition.

Tuition Waivers (Board Policy 7370): Tuition waivers shall be given the following groups:

1. Disabled veterans (documented 100 percent service-connected disability);
2. Persons 60 years of age and older;
3. Full-time John A. Logan College employees, including retired full-time employees who have ten (10) years or more of continuous service, and spouse and dependent children. In the event of death of a current full-time employee with ten (10) years or more of continuous service, spouse and dependent children at the time of death are extended this benefit.
4. Part-time employees covered under collectively bargained contracts in accordance with the provisions of the contracts;
5. Board of Trustees members, their spouse and dependent children. Providing a member of the Board of Trustees has served at least one full term, this tuition waiver will be a lifetime benefit.
6. Student representative to the Board of Trustees, during his/her term of service, will receive a tuition only waiver for a maximum of fifteen (15) hours per semester;
7. General institutional tuition waivers will not exceed fifteen (15) hours per semester. A current list of scholarships will be maintained by the director of scholarships and alumni services.

8. A part-time non-teaching professional or non-union operational employee working in a regular (non-temporary) position a minimum of 20 hours per week who has worked for the College for a minimum of nine (9) months and spouse and dependent children. Stipend positions are evaluated on a case by case basis to determine if criteria are met.
9. Currently enrolled full-time veterans for the aerobic and aquatic centers. The tuition waiver will only be effective if no other veterans benefits cover the tuition cost. These tuition waivers will be initiated only from the Veterans Service Center;

The president may also waive tuition in special cases when it is in the best interest of the College or to serve a special need within the College district; For the purposes of this policy, dependent is defined in the Free Application for Federal Student Aid (FAFSA).

Tuition is defined as money which is collected for the general support of the College's instructional operation; fees are defined as money which is collected by the College that is designated as a charge to an individual class. Tuition waivers for special programs (i.e. continuing education public service, business and industry, construction management, and highly specialized healthcare classes, etc.) cannot be waived because they do not reflect the normal or traditional tuition. Fees for employees enrolled in courses accepted as part of the College's Wellness Program may be waived.

Those individuals allowed tuition waivers shall be required to pay any appropriate fees except in such cases where the intent of the tuition waiver, as determined by the president, is to provide a total waiver of tuition and fees. No release time from a person's job responsibilities shall be awarded to attend class or classes unless as provided in **Board Policy 5250 -- Non-Teaching Professional Staff Course Work, Board Policy 5251 -- Non-Union Operational Course Work**, or a collectively bargained agreement.

FACTS Payment Plan: The FACTS payment plan program allows students to make monthly payments that are automatically withdrawn from a designated account of the students' choice. Students who are not eligible for financial assistance but unable to pay their tuition in full by their due date may utilize the FACTS payment plan. If financial assistance eligibility is established, it is the student's responsibility to request cancellation of the FACTS payment plan.

Pre-Registration, Tuition and Fees (Board Policy 7332): Students who fail to pay deferred tuition and fee charges by the end of the designated deferment deadline for any semester will have their pre-registration canceled, dropping them from all of their classes and necessitating a completely new registration process for available classes at that point in the registration process.

Refund Policy (Board Policy 7320): Students withdrawing from classes in the transfer, career, or continuing education divisions of the College during the following periods will be given 100% refunds:

- First 14 calendar days of the Fall and Spring Semesters excluding spring break;
- First 7 calendar days of Block and Summer Semesters.

Upon notification that an enrolled student has died during a semester, the student will be removed from all courses and all charges pertaining to the semester will be refunded to his/her student account. If the refunding of charges generates a credit, such will be remitted to the student's estate.

Consumer Statement: JALC provides specific consumer, [textbook](#) and [gainful employment](#) information to current and prospective students through the college website. For consumer information, visit [Students Right to Know/Consumer Information](#) webpage. Student can also access information through the [MyJALC](#) portal.

Financial Responsibility: By registering for classes at John A. Logan College, the student accepts full financial responsibility for payment of the term tuition and fees, as well as associated costs related to registration and/or other JALC services, by the

applicable deadlines. The student understands that should you default on your account, JALC may use any and all means necessary to collect this debt in accordance with state and federal laws.

Debt Collection (Board Policy 7180).

The Business Office should make all efforts possible to collect debts owed to the College by any person. After reasonable attempts have been made to collect a debt, the Business Office should use all methods available to it, including a collection agency.

When any student owes money to the College for any reason, including, but not limited to tuition, laboratory fees, and library charges, and does not pay the debt by the prescribed time, the College will not release the student's official transcript. The student may, however, view his/her own educational records.

Students with outstanding debts equating to three (3) credit hours of current tuition or greater may make arrangements with the Business Office for paying the debt while continuing enrollment. The payment period for the collection of the past due amount shall not exceed six (6) months. Students with outstanding balances equating to less than three (3) credit hours of current tuition must pay the entire balance prior to being allowed to re-enroll.

Financial obligations are to be paid in the Business Office except for library charges, which must be paid to the librarian or cleared through the librarian. Only the Business Office may release registration locks related to student indebtedness.

Contact the Business Office for details.

Charge-back (Board Policy 7350) : A resident of Community College District 530 who wants to enroll in an educational program which is not available at John A. Logan College may apply for charge-back tuition if he/she enrolls in such a program at another public community college in Illinois.

The student must notify John A. Logan College 30 days before the beginning of the semester that

he/she will be attending another college in a program not offered at John A. Logan College in order to receive this charge-back.

The president or his/her designee is authorized to sign the necessary forms on behalf of the College.

Definition of In-District Residency for Tuition and Credit Hour Claim Purposes (Board Policy 7311)

A. In-District Residency for Tuition Purposes. An in-district student at John A. Logan College, District No. 530, for tuition purposes is defined as a person who can establish proof of residency within the legal boundaries of District No. 530. Proof of residency at an in-district address shall be determined by the Admission's Office (with the exception that the Offices of Adult Education, Continuing Education, and/or Workforce Development are responsible for residency for the respective areas) in one of the following ways:

1. Proof of residency provided by the student must include an in-district address. Examples of acceptable proof include:
 - a. valid Illinois driver's license;
 - b. state identification card;
 - c. voter's registration card; or
 - d. property tax statement.

2. If proof above is not available, the student may establish proof of in-district residency by providing a notarized statement that includes the local in-district address and states that the student's residence is within the boundaries of the District #530 which is:
 - a. signed by the student and his/her parents; or
 - b. in the event that parents are inappropriate or unavailable as co-signers, such statement may be co-signed by the city clerk or the county clerk in the city or county where the student has a permanent address.

3. Out-of-district or out-of-state tuition, whichever is applicable, may be waived for a student who is employed for at least 35 hours per week by an entity located within the boundaries of District #530 or who is enrolled in a course that is being provided under terms of a contract for services between the employing entity and the College.

includes the local in-district address and states that the student’s residence is within the legal boundaries of District No. 530 which is:

- a. signed by the student and his/her parents, or
- b. in the event that parents are inappropriate or unavailable as co-signers, co-signed by the city clerk or the county clerk in the city or county where the student has a permanent address.

B. In-District Residency for Credit Hour Claim Purposes.

For credit hour claim purposes, an in-district student of John A. Logan College, District No. 530, is defined as a person who can provide proof that she/he has been a resident within the legal boundaries of District No. 530 for at least 30 days immediately prior to the date classes begin. Proof of residency at an in-district address shall be determined by the Admissions Office (with the exception that the Offices of Adult Education, Continuing Education, and/or Workforce Development are responsible for residency for the respective areas) in one of the following ways:

1. Proof of residency provided by the student must include an in-district address. Examples of acceptable proof include a

- a valid Illinois driver’s license;
- b state identification card;
- c. voter’s registration card; or
- d. property tax statement.

2. A student can also be classified as in-district for credit hour claim purposes if the student is a graduate from one of the in-district high schools and his/her address is within the legal boundaries of District No. 530.

Definition of In-District Residency for Tuition and Credit Hour Claim Purposes,

2. If proof above is not available, the student may establish proof of in-district residency by providing a notarized statement that

Employer In-District: Out-of-district and out-of-state students who receive training from, and are employed at least 35 hours per week by, an entity located within District 530 may qualify for in-district rates. Interested students may obtain the required form in the Admissions Office. The in-district employer must complete a new form each semester. This form must be submitted before the midterm date of the affected class(es).

Financial Aid and Scholarships

Financial Aid Standards of Progress (Board Policy 8152/Administrative Procedure 833): John A. Logan College will follow The Code of Federal Regulations – Title 34: Education, Part 668 – Student Assistance General Provisions Subpart C – Student Eligibility to develop financial aid standards of progress for students receiving Title IV funds. The College shall maintain reasonable satisfactory academic progress procedures for determining whether an otherwise eligible student is making satisfactory academic progress in his/her educational program and may receive assistance under the Title IV HEA programs. The procedures for standards of progress are published in the College Catalog and in Administrative Procedure 833.

General Information

The objective of John A. Logan College in maintaining a student financial assistance program is to assist in the removal of barriers to postsecondary education. To accomplish this goal, the College endeavors to provide financial assistance that is designed to complement the financial resources of students rather than to finance their education totally. Financial assistance

at John A. Logan College is available in the form of grants, part-time employment, and scholarships. Information concerning assistance may be obtained from the John A. Logan College Student Financial Assistance Office.

The John A. Logan College Financial Aid Office does not participate in the Federal Direct Loan Program. Students interested in the Private Alternative Loan Program should contact a bank, a credit union, or other qualified lender. The John A. Logan College Financial Aid Office does not keep a listing of these vendors. All students who apply for private alternative loans must first submit a FAFSA with John A. Logan College, federal school code 008076. Students will also be required to meet with a financial aid coordinator for loan counseling to fully understand their debt and its consequences.

Students seeking to become fully eligible for financial assistance programs administered by the College must be aware of, and comply appropriately with, the following:

1. Be enrolled or accepted for enrollment at John A. Logan College as a degree- or certificate-seeking student and maintain "satisfactory academic progress" as defined by John A. Logan College.
2. Must have received a high school diploma (or its equivalent) or passed the GED exam to be eligible for financial assistance.
3. Be a full-time student (carry 12 hours or more each semester).
4. Have not earned a bachelor's degree.
5. Complete the Free Application for Federal Student Aid (FAFSA) form to apply for a monetary-award program award, from the Illinois Student Assistance Commission (ISAC), and a federal Pell Grant award. The Federal Student Aid Form is also required for private loan consideration.
6. Complete a John A. Logan College Student Employment Request Form if interested in

applying for the Federal Work Study Program or part-time employment.

7. Complete a John A. Logan College Foundation Scholarship application.
8. Demonstrate financial need.
9. Complete (with their parents, if applicable) a Free Application for Federal Student Aid form (see item 5 above), and apply via the web at <http://www.fafsa.gov>. Application results will be returned to the student within two weeks if applying over the web. Students should complete all necessary paperwork with the Financial Aid Office in order to receive any assistance. Students who are interested in obtaining a Federal Work Study job or part-time employment must complete an Application for Financial Assistance and a Student Employment Request Form (see item 6 above), which can be obtained from the John A. Logan College Placement Office.

Financial need is generally considered to be the difference between one year's educational expenses (tuition, books, board, transportation, etc.) and the student's resources for the same period. Student resources include aid from parents, guardian, relatives, personal savings, vacation earnings, and other forms of assistance. Financial need must be documented each year because financial need is the basis for financial assistance distribution.

The following link will show the breakdown for the cost of attendance [Cost of Attendance](#).

The college adheres to the policies and guidelines set forth by the Department of Education. To review the Department of Education's policies and guidelines in detail visit the [Financial Aid](#) webpage and the [Financial Aid Handbook](#).

Financial aid will not be awarded for courses not required for degree/certificate programs. Financial aid will be awarded for the total number of hours for required courses that are listed on the curriculum guide for their degree/program. Students will be responsible to cover any costs

associated with courses they choose to take but are not required for their degree/program

Financial aid does not apply to students who are not seeking a degree at John A. Logan College.

Courses such as MAT 052H, 062H, orientation courses (ORI) business and industry courses, as well as adult and continuing education courses are not eligible for financial assistance. The nursing assistant program (NAD 101), pharmacy technician, and short term certificate programs are also **not** covered by financial assistance.

Student Loans: The John A. Logan College Financial Aid Office does not participate in the Federal Direct Loan Program. Students interested in the Private Alternative Loan Program should contact a bank, a credit union, or other qualified lender, The John A. Logan College Financial Aid Office does not keep a listing of these vendors. All students who apply for private alternative loans must first submit a FAFSA with John A. Logan College, federal school code 008076. Students will also be required to meet with a financial aid coordinator for loan counseling to fully understand their debt and its consequences.

Return of Funds: Students who receive Federal Title IV Funds (Pell Grant, SEOG Grant) and stop attending classes, withdraw from classes, receive all failing grades, or a combination of withdrawals and failing grades are subject to a Return of Title IV Funds. This may result in the student owing a refund to the College, to the Federal Student Aid Program or both.

Please refer to the "[Return of Title IV Funds](#)" in the Financial Aid Handbook.

FACTS Payment Plan: Students who are not eligible for financial assistance but unable to pay their tuition in full by their due date may use the FACTS payment plan. This program allows students to make monthly payments that are automatically withdrawn from a designated account of the students' choice.

If financial assistance eligibility is established, it is the student's responsibility to request cancellation of the FACTS payment plan.

Satisfactory Academic Progress for Financial

Assistance Recipients: According to the United States Department of Education regulations, and the Illinois Student Assistance Commission policy, all students applying for federal and/or state assistance must be pursuing a degree and must maintain satisfactory progress in his/her course of study to receive these funds.

Students must be making academic progress regardless of whether the student had previously received assistance or benefits. All prior terms of attendance are included in the evaluations. Courses from other colleges that have been accepted for credit by John A. Logan College will be considered in determining eligibility. Students who have not previously received financial aid may not be notified of their status until they have applied for assistance.

Satisfactory Academic Progress Requirements for All Veterans' Benefits: Students receiving veteran's benefits must follow the academic policy for satisfactory academic progress.

Satisfactory Academic Progress, Probation and Suspension (Board Policy 8151)

SATISFACTORY ACADEMIC PROGRESS REQUIREMENTS

A student is considered to be making satisfactory academic progress if the following conditions are met:

1. Maintain regular class attendance as determined by the instructor.
2. Maintain a cumulative GPA of at least 2.0. A student who fails to maintain the required cumulative GPA will be placed on probation for one semester. Probation is only a warning status. While on probation, the student is eligible for Pell Grants, ISAC monetary awards, scholarships, outside awards, or veteran benefits. If, after the probation semester, the student does not have the required cumulative GPA of 2.0, the student may remain on probation if the semester GPA is at least 2.0. If, after the probation semester, the student does not return to satisfactory academic standing or

qualify to remain on probation, the student will be placed on academic suspension.

ACADEMIC SUSPENSION

Failure to meet any of the aforementioned procedures will result in academic suspension subject to appeal to the Academic Progress Review Committee. Academic suspension is a state of involuntary separation of the student from the institution for a period of one calendar year.

APPEALS INVOLVING THE PLACEMENT OF STUDENTS ON ACADEMIC SUSPENSION

Decisions involving the placement of students on academic suspension, based on the requirements of this section, may be appealed as follows:

1. Instances involving academic suspension may be appealed in writing to the Academic Progress Review Committee through the dean for student services within ten (10) calendar days of the notification by the dean for student services.
2. Appeals shall be heard by the Academic Progress Review Committee.
3. Further appeals may be made within ten (10) calendar days to the vice president for instructional services of the College who may consider the appeal further.

Withdrawals Prior to 60% Completion Point:

Students that stop attending before the 60% point in a semester are reported by the instructor to the Admissions Office, along with a last date of attendance. The last date of attendance is also reported by the instructor if a student receives a failing grade and has stopped attendance before the end of the semester. The earlier date will be used to determine the Return of Funds calculation if there is an official student withdrawal date and an instructor reported last date of attendance.

If the student withdraws prior to the 60% completion point, the Return to Title IV Funds calculation will determine the amount of funds which must be returned to the programs. The

student will be responsible for this amount and must repay these funds to the institution before he or she will be allowed to register for classes or receive a transcript from the college.

Before withdrawing from the college, the student who has received financial aid should notify the Student Financial Aid office of his or her decision. The Financial Aid Office will perform the Return of Funds calculation and send notification to the student of funds refunded back to the Department of Education by the college and in turn owed by the student to his or her account with John A. Logan College. A notification is sent within 30 days of the school's determination of the student's withdrawal. The institution must return these funds within 45 days.

Financial Aid Policy For Withdrawal or Non-Attendance In All Courses:

A student who withdraws from (or) stops attending ALL COURSES before the 60% point in a semester WILL have their Financial Aid Award adjusted. Students earn financial aid by attendance. Once a student has attended beyond the 60% point of a semester, the Department of Education allows the student to keep ALL of the awarded aid. If the student stops attending or withdraws from ALL courses before the 60% point the Financial Aid Office is REQUIRED to calculate the aid earned by the student. That will change the financial aid award. A percentage of the aid that was awarded or could have been awarded after the non-attendance or withdrawal date must be sent back to the Department of Education. The student will then owe the college a percentage of the aid that was disbursed or could have been disbursed to the student because the student didn't earn all of the aid awarded. The amount owed will depend on the last date of attendance or the official withdrawal date of the student.

Post Withdrawal Disbursements: In some cases, a student may be eligible to receive a "post-withdrawal" disbursement after the student completely withdraws from the school. This is possible when the amount of aid awarded and processed is less than the amount of aid disbursed. In such cases, the Student Financial Aid Office will notify the student within 30 calendar days of the "post-withdrawal" disbursement by mail. The

student must respond within 14 days from the date the school sends notification to deny a post-withdrawal disbursement.

Financial Assistance Procedures:

1. The Pell Grant results of the Free Application for Federal Student Aid (FAFSA) form, known as the Student Aid Report (SAR), will be released to the Student Financial Assistance Office directly from the U. S. Department of Education as long as students list John A. Logan College as one of their eight college choices on the SAR. The information will be used to assist students seeking financial aid through the John A. Logan College Foundation Scholarship program, the Illinois State Monetary Award program, the Pell Grant program, Federal Supplemental Educational Opportunity Grant (FSEOG), and the student employment program.
2. John A. Logan College Foundation scholarships, Pell Grants, FSEOG, and student employment payments administered by the College will be made available to the student by depositing payments into student's account of choice.

Tuition awards authorized by the Illinois State Monetary Award program, the National Guard Grant program, the Illinois Veterans' Grant program, and other agencies are credited to the recipient's account. Any refund resulting from such awards will be made available in the student's account of choice.

Normally, any financial aid award is contingent on the actual receipt of funds or authorization appropriated to John A. Logan College by federal or state agencies.

3. Current or prospective students receiving financial assistance through John A. Logan College have the right to inquire about the following topics:
 - names of accrediting/licensing organizations
 - academic programs, facilities, and faculty
 - cost of attendance and Refund Policy
 - financial assistance availability
 - financial assistance application procedures

- financial assistance recipient selection criteria
- financial need determination
- amount of financial need met
- payment of financial assistance
- student-worker job responsibilities
- loan responsibilities
- academic progress determination
- facilities and services for the disabled

4. Current or prospective students receiving financial assistance through John A. Logan College have the following responsibilities:

- be familiar with program requirements
- accurately complete and submit financial assistance applications
- meet all financial assistance application deadlines
- provide requested financial assistance application documentation
- read and understand all forms requiring student signatures
- comply with loan promissory note provisions
- notify the College of changes in name, address, or attendance status
- perform work agreed upon in student worker assignments
- understand the College's refund policy.

Scholarship Opportunities

Complete an application for hundreds of scholarship opportunities. Apply online by **March 1** for the best options. For additional information visit the college webpage [JALC Foundation](#) , and use the [Available Scholarships](#) link to view a complete list of scholarships.

Admissions Information

Academic and Career Advisement and Counseling:

All students should meet with an academic advisor when they first enroll at JALC. The Academic Advisement Office is located in C204. Courses and programs should always be carefully selected with the assistance of an academic advisor to ensure applicability toward the student's program

requirements and the most effective fulfillment of the student's educational goals. Career counseling is also available to students.

Admission to John A. Logan College (Board Policy 8110): John A. Logan College has established the following criteria for full admission to the College:

1. By providing an official transcript certifying graduation from a secondary school. John A. Logan College reserves the right to evaluate the validity and accreditation of all high school transcripts submitted for admission and financial aid purposes

A. A home school diploma will be considered equivalent to a high school diploma if the state in which the home school curriculum was completed recognizes home school diplomas.

OR

B. By providing an earned general equivalency diploma (GED).

OR

C. By providing an official transcript from all attended accredited post-secondary institution.

Transfer students that attended a non-regionally accredited post-secondary institute will need to submit high school transcripts and possibly complete the JALC placement test.

2. Placement scores are required for all students that have an ACT English and Math subtest score below 20.

3. Residency Verification

CONDITIONAL ADMISSION

Applicants who do not meet the criteria for full admission will be conditionally admitted. Applicants will be granted full admission at the time all three criteria for regular admission has been met. A student admitted conditionally is not eligible for federal or state financial aid.

1. Non-high school graduate 18 years or older

2. Student whose connection with a secondary school is severed

3. Any student who is 16 years of age or over and has severed connection with a secondary school, as certified in writing by the chief executive officer of the secondary school in which the student has legal residence.

4. Students currently enrolled in a secondary school or home school program may enroll in courses at John A. Logan College with prior approval of the chief executive officer of the secondary school district.

5. Undocumented Student Admission

Illinois Law 110 ILCS 305/7e-5 (HB60) allows admission to the College and in-state or in-district tuition for those applicants to John A. Logan College (U.S. citizens and non-citizens) who meet the following criteria:

* Attended an Illinois school for at least three years of high school prior to graduating or receiving the equivalent of a diploma;

* Graduated from an Illinois high school or received the equivalent of a diploma in Illinois;

* Resided with parents or guardians while attending an Illinois high school; and

* For those applicants who are not U.S. citizens or permanent residents of the U.S., provide the College with a notarized affidavit stating the applicant will file an application to become a permanent resident of the United States at the earliest opportunity the individual is eligible to do so.

The president may waive the above restrictions and limitations to accommodate students with special needs or to provide for the convenience of the College.

TRANSFER STUDENT ADMISSION

Students transferring to John A. Logan College from another college or university will be admitted in good standing without regard for their past academic status. Once enrolled, all transfer

students must adhere to the guidelines regulating satisfactory academic progress at John A. Logan College.

Any student expelled or suspended from another college or university for disciplinary reasons will not be eligible for admission to John A. Logan College for a minimum of one semester from the date of that suspension or expulsion, or the length of the suspension if it is more than one semester. After this date, the applicant for admission will be granted a decision on an individual basis by the dean for student services.

After admission, any transfer student who is found to have been expelled from another college or university for disciplinary reasons, which was not disclosed to John A. Logan College prior to enrollment at John A. Logan College, and whose enrollment was not the result of an individual decision by the dean for student services, shall be subject to immediate suspension. The suspended transfer student shall be entitled to an automatic hearing before the Disciplinary Hearing Committee, as provided in the student code of conduct, at which time the student may present evidence as to why the student should be permitted to remain enrolled at John A. Logan College.

Concealment of or failure to disclose a prior expulsion or suspension for disciplinary reasons shall be independent grounds for immediate suspension from John A. Logan College. Any student suspended for concealment of a prior expulsion shall likewise be entitled to an automatic hearing before the Disciplinary Hearing Committee.

INTERNATIONAL STUDENT ADMISSION

John A. Logan College will admit international (foreign) students on a basis to include the following:

- A. International students who have completed the equivalent of a high school (secondary) education.
- B. International students who have mastery of the English language as demonstrated by an acceptable score on the TOEFL test.

C. International (foreign) students from Southern Illinois University at Carbondale who are in valid visa status there and attend John A. Logan College on special arrangement.

D. International students who can provide the necessary admission credentials.

The president may waive the above restrictions and limitations to accommodate students with special needs or to provide for the convenience of the College.

Program/Course Admission: Admission to the college does not guarantee entrance into a particular course or program of study. The college reserves the right to establish selective admission procedures and to give preference to residents of Community College District 530.

Transcripts: Students should submit official copies of high school transcripts. All financial aid recipients are required to submit an official copy of their final high school or GED® (High School Equivalency) transcripts. In addition, students who have attended other postsecondary institutions are encouraged to have official college transcripts submitted. Students who are required to submit transcripts include:

- Students wishing to apply college credit earned at other postsecondary institutions toward JALC degrees or certificates.
- Students intending to use federal veteran's benefits.
- Students needing to provide proof of course prerequisites.

Official transcripts must be sent directly from the issuing institution to the JALC Admissions and Records Office. Home-school transcripts must be submitted in a typed transcript format. The transcript must include the student's name (first, middle and last), date of birth, address, course title, units of credit, semester completed, grades, description of grading system, graduation date, signature of parent or home-school administrator and a graduation date if the transcript is complete.

The admission, degree and certificate requirements that are published in this catalog should be used as a guide for students who begin their course of study in the 2016-2017 school year.

Math and English Course Placement: The main goal of the placement process for students is to gather information about current skills. This process will not prohibit a student from entering college, but determines the math and English competency levels for each student. Many courses require specific math and/or English competencies to enroll.

Math and English are disciplines that require thinking and reasoning skills, so starting with the right courses is essential for success in future classes. Improving these skills will be necessary throughout a student's educational career and of great importance throughout life.

The JALC Placement Test is available at the main campus and the extension center. Once students have been accepted they may contact the Testing Office to schedule a Placement Test. Since results of this placement test may determine future course work, it is important to prepare well and take it seriously.

Some of the JALC Health Sciences programs may require additional testing before acceptance into the programs.

In addition to the Placement Test, ACT and SAT scores may be used for placement in math and English. PARCC scores may also be considered. Further testing may result in a higher placement.

Following the placement process, it is recommended that students meet with an academic advisor to discuss placement results, individual needs, academic plans and class schedules.

Who is required to take the College Placement Test?

- Students taking a math or English course for the first time.

- Students wishing to enroll in classes which require specific English and/or math competency levels.

Who will be exempt?

- Students who have successfully completed approved college-level math and English courses at another college or university*.
- Students enrolling in certificate programs or classes that do not require math or English competencies.

*Students are required to bring documentation of previous college coursework (transcript, grade report, etc.) or ACT/SAT scores to show placement in English or math courses, or proof of meeting prerequisites for certain courses at the time of registration.

International Student Admission: International students will be considered for admission to JALC after the following documents are received by the designated school official at least 90 days prior to the start of the semester in which they plan to enroll.

- A completed New Student Application
- Official copies of all secondary school and college transcripts with notarized English translations.
- An official copy of the Test of English as a Foreign Language test results. F-1 Visa students must achieve a score of 61 or above on the Internet-based TOEFL, which equates to 173 on the computer-based TOEFL or 500 on the paper-based TOEFL; for more detailed information on TOEFL, visit www.ets.org or call 609-771-7100.
- Certification of the availability of funds to meet expenses while attending JALC. The estimated cost for unmarried students during 2015-2016 is \$24,381 (U.S. currency). (This rate is subject to change without notice. Cost may vary slightly based on tuition changes.)
- Proof of medical and repatriation insurances are required.
- Home country address must be provided prior to issuance of I-20.
- After acceptance and issuance of the I-20, the Form 901 must be completed and a \$200 Immigration Fee paid to the consulate prior to

seeking a Visa. Once the above documents have been received and reviewed, you will be notified of your admission status. International students who have completed coursework at a regionally accredited college or university in the United States or elsewhere may request that their credit be evaluated toward a degree or certificate at JALC. To request an evaluation, please follow these steps:

- Complete a Transfer Credit Evaluation Request form and submit it to the Admissions and Records Office.
- Submit an official transcript from all institutions attended within the United States.
- Submit an official report in English from one of the following services for international institutions attended: ECE/Education Credential Evaluators or WES/World Education Services. JALC will utilize the report as a guideline for the evaluation of course credit and reserves the right to award appropriate credit.
- When all documents are received, your transcripts will be reviewed by an academic records evaluator to determine if any courses would apply toward your intended program. Additional information, such as course descriptions may be requested to determine the appropriate equivalency.
- Courses accepted for credit will be applied to your JALC transcript. Check your Student Center “To do list” for your final evaluation results.

Student Identification Information: Although JALC uses Student ID numbers as the primary method of identification in the student records system, students are asked to submit their Social Security number when completing the New Student Application. Students should enter their full name and Social Security number exactly as it appears on their Social Security card or face potential fines from the IRS. The SSN is retained in a secured field on the student system and can be viewed by limited staff. The SSN is required for:

- Setting up an MyJALC account, where the student can enroll, run a degree audit, order a transcript and view other important financial and academic information.

- Search/match. When entering a new record into the database, the SSN is one of the “keys” or data elements, in addition to the date of birth and name, utilized to perform a match on a record in order to guard against duplicate entries of the same student.
- Enrollment verification. The National Student Clearinghouse requires the SSN for enrollment verification purposes.
- JALC must comply with Illinois state auditors when reporting enrollment data. The SSN is required by the Illinois Community College Board as part of the reporting process.
- Financial Aid. The FAFSA requires that the student provide the SSN before aid can be processed.
- Veteran and government sponsored tuition assistance programs. The SSN is required for certification of benefits and tuition payments.
- 1098T. JALC must obtain your current identifying number or SSN to file certain returns regarding tuition and related expenses with the IRS and to furnish a statement to the student. Without the SSN, students will not receive a 1098T federal income tax document, which JALC is mandated by the IRS to issue annually to each student for income tax purposes. In addition to the institution being fined for filing incomplete information, individuals may be subject to a fine for failing to provide an institution with their SSN and their full name EXACTLY as it appears on your social security card.

Readmission: Degree Completion Requirements If a student is readmitted after having no enrollment for three consecutive semesters (excluding summer term), the student will be required to complete the degree/certificate requirements published in the catalog at the time of re-enrollment. Students who attend continuously will have six years to complete the degree/certificate requirements outlined in the catalog at the time of original entry or any catalog published throughout the course of continued enrollment. Regardless of continuing enrollment status, students may never follow any catalog that is older than six years.

Re-Entry Nursing Students: Nursing students wishing to return on a full-time basis must follow the same procedures as all other full-time

applicants. Nursing students wishing to return on a part-time basis with a specific, scheduled graduation date must follow the same procedures as regular part-time applicants. A nursing student who has left the program must request re-entry in writing to the director of nursing. The letter of request must specify the desired date of return and the desired status, either full- or part-time. The director of nursing will either grant or deny the request. Generally, this will be based on the student's academic performance while previously in the program.

Nursing students may return on an irregular part-time basis and take classes as space permits. These students may not bump regular full- and part-time students from class slots. These students do not have any scheduled graduation date since there is no guarantee as to the sequence in which slots in classes will be available. Irregular part-time students are re-entered on a first-come, first-served basis.

Transferring Credit to John A. Logan College (Board Policy 8242): * John A. Logan College will only accept college-level credits from regionally accredited institutions.

* Credit hours will be granted for military service according to the guidelines established by American Council on Education.

* If a transfer course from another accredited institution earned more credit hours than the equivalent course at John A. Logan College, the student is given full credit for the hours earned at the former institution.

* If a transfer course has fewer credit hours than the equivalent at John A. Logan College, the student will be granted only the number of credit hours earned at the other institution.

* If a course has no John A. Logan College equivalent, the hours earned will be granted as elective hours.

* Transfer credit from institutions outside the United States is evaluated on a case-by-case basis.

* University/college coursework completed outside the United States must be submitted to an organization that specializes in evaluating foreign transcripts. John A. Logan College recommends use of Educational Credential Evaluators (www.ece.org) or Educational Perspectives (www.edperspective.org) from an official evaluation of earned foreign credentials.

* All courses successfully completed at Illinois regionally-accredited institutions that have been reviewed by one of the faculty panels of the Illinois Articulation Initiative (IAI) and approved as a match to an IAI GECC or major course code will also be accepted.

* John A. Logan College acknowledges developmental courses taken at other regionally accredited institutions for prerequisite and placement purposes only.

Nursing Transfer Students: Transfers will be accepted into the nursing programs on a case-by-case basis as follows: the student wishing to transfer into the program must request in writing to the director of nursing; the student must provide official transcripts from all previous schools from which he/she wishes to transfer credits; the student must have the director of nursing from the previous nursing program submit a letter of recommendation directly to the director of nursing at John A. Logan College; and the student must meet with the director of nursing to have transcripts reviewed as well as program curriculum and requirements explained. The director will consult with faculty, review all materials, make a decision related to the request for transfer into the program, and notify the student in writing of the decision.

In general, the following considerations will determine if the student is accepted for transfer: the student must have completed the equivalent of the introductory level courses in the John A. Logan College program; the student must be willing to take an assessment exam at John A. Logan College if requested to do so; the student must be willing to take courses on an "as available" basis with no specific projected completion date; the student will be accepted on a probationary status for the first

Subjects	Years	Emphasis
English	4	Emphasizing written and oral communications and literature
Social Studies**	3	Emphasizing history and government
Mathematics**	3	Introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming
Science**	3	Laboratory sciences
Electives**	2	Foreign language, music, art, or vocational education
Total	15	

semester; the student must meet the health and CPR requirements of the program; students wishing to transfer into the program with a specified, scheduled graduation date must follow the same admission procedures as all other regular full- or part-time students; transfer students may not bump regular full- and part-time students from class slots; transfer students are accepted on a first-come, first-served basis; all transfer students must meet the curriculum requirements in effect at the time of acceptance into the program; transcripts of nursing courses will be used to evaluate advanced placement into the ADN program. Transfer students are required to take all general education courses as outlined in the curriculum guide; acceptance in the PN program as a transfer student does not guarantee acceptance into the ADN program; transfer students are required to complete a minimum of 20 hours from John A. Logan College, of which 10 semester hours must be nursing courses; and transfer students will be required to complete BIO 205, ENG 101, PNE 100, PSY 132, and I.V. Certification.

Baccalaureate Transfer Program: New students planning to enroll in transfer programs at John A. Logan College must meet the admission requirements of the college. Admission to transfer programs also requires the new student to meet the high school course pattern requirements specified by the Illinois Board of Higher Education as follows:

Students who do not meet the requirements may satisfy a course pattern deficiency by:

- achieving Enhanced ACT subscores as follows: English 21, mathematics 20, reading 21, and science reasoning 21, or
- providing acceptable CLEP scores, AP credit, placement scores, or
- successfully completing appropriate developmental courses. These courses may not be used toward graduation credit and cannot be used to fulfill general education requirements, or
- successfully completing any college-level deficiencies.

Acceptable placement scores will be determined by college policy through communication with each academic discipline. Required CLEP and AP scores are available in the Office of Admissions. High school units in excess of the required number of units in mathematics, social studies, or science may be redistributed among the other categories by applying no more than one unit to any of the following categories: mathematics, social studies, science, or an elective. Elective subjects cannot be substituted for required courses in English, mathematics, science, or social sciences.

The following transfer-program applicants are exempt from the high school-subject requirements:

- students whose class rank and ACT scores are at or above the 75th percentile (a composite score of 23 on the Enhanced ACT).
- veterans who have not been enrolled in any college course since discharge. Veterans must have an overall C average or better for college courses taken since separation.
- participants in the early admissions/concurrent enrollment program until the time of their high school graduation.

- transfer students who have earned 26 or more hours of transferable credit with an overall C average or better.

Additional information regarding testing, program and restricted entry requirements for health care programs is available on the College website [Restricted Programs](#) .

JALC NEW STUDENT GUIDE

- Your JALC email account is called **VOLmail**; it will be set up automatically. Go to the JALC homepage (www.jalc.edu) and click the **MyJALC** tab. You'll find "**VOLmail**" under **Campus Resources**. Your new VOLmail address is your first initial, last name, and last four numbers of your JALC ID, @volmail.jalc.edu. If you applied and were accepted prior to April 4, 2016, your password is the two digit day and month of your birth and the last four digits of your Social Security Number. If you applied after that date your temporary password was sent to your alternate e-mail address listed on your application. All information from the college and your instructors will be sent to this e-mail address; including class cancellations and course information. To be a successful student at John A. Logan College you MUST check your VOLmail account on a regular basis.
- New students need to provide the Admissions Office proof of in-district residency and a final high school transcript by the 10th day of classes. Failure to provide this information will result in being charged out of district tuition and having a registration hold placed on your account.
- Login to **My JALC** to view your schedule, bill, payment due date, registration, grades, financial aid, etc. Go to the JALC homepage (www.jalc.edu) and in the top right corner click the blue **MyJALC** tab, click the **Login** button at the top of the page (the username and password are the same as **VOLmail** and D2L). There you will find the Students and Finances tab. For help with your ID or password, click "*I.D./Password Request Form*" or see your advisor.
- Make sure your contact information; including **VOLmail**, home address, telephone, and cell phone are correct. You can update this information with the Admissions Office, your academic advisor, or through **MyJALC**.
- New students need to have their **photo** taken in room C204 for their JALC Student ID Card.
- Pay **tuition** and fees on **MyJALC**, at the Bursar's Office (C213), or by phone with a credit card. If you receive financial aid that covers tuition and fees be sure to complete all of the required paperwork. To make a payment or sign up for a payment plan, go to the **Finances** tab on **MyJALC**, under **My Student Information** click "*my account balances*". The course and fee statement is also available in this area.
- If you are receiving any type of financial aid, login to **MyJALC** and click on Financial Aid to view the status of your award and information concerning financial aid.
- If you are receiving a scholarship (other than Federal financial aid), be sure to check with the JALC Foundation Office in B33 to assure that the scholarship is credited to your account.
- Sign up for **JALCtxt** to receive campus alerts via text messages. This includes weather related campus closings. Go to the JALC homepage (www.jalc.edu) and click on **MyJALC**. You'll find "**JALCtxt**" under **Campus Resources**.
- Go to the **JALC Library** to receive a library card. You will need a photo I.D. and to know your student I.D. number to obtain a card.
- Activate your account with **BankMobile** immediately upon receiving the Refund Selection Kit (green envelope) in the mail if you receive financial aid or scholarships. Be sure to enter the **personal code** you received to select your refund preference.
- Click on **Online Learning** on the home page. This is where you'll find information about online courses, creating an online account, and orientations. If you're taking an online class, be sure to do the **D2L Orientation**.
- Purchase textbooks and workbooks for all of your classes.

Graduation Information

General Program and Residency Requirements for

Graduation (Board Policy 8244): Minimum enrollment residence requirements must be satisfied for graduation from John A. Logan College. To be awarded an Associate in Applied Science (AAS), Associate in Arts (AA), Associate in Engineering Science (AES), Associate in Fine Arts (AFA), Associate in General Studies (AGS) or Associate in Science degree, a student must:

- * complete at least twelve (12) semester hours of credit from John A. Logan College with an overall grade-point average of 2.0;

- * satisfactorily complete all specific degree requirements; and

- * make application for graduation and pay the required graduation fee.

To be awarded an Associate in Arts in Teaching (AAT) degree, a student must:

- * complete at least twelve (12) semester hours of credit at John A. Logan College with at least a grade-point average of 2.5;

- * satisfactorily complete all specific degree requirements;

- * pass the Illinois Basic Skills Test; and

- * make application for graduation and pay the required graduation fee.

To be awarded a Certificate of Achievement, the student must:

- * complete at least nine (9) semester hours of credit at John A. Logan College (excluding CLEP and proficiency credits). If the certificate is less than fifteen (15) semester hours, three (3) semester hours of credit must be completed at John A. Logan College;

- * satisfactorily complete all certificate program requirements with a 2.0 overall grade-point average; and

- * make application for graduation and pay the required graduation fee.

Awarding of Degrees: JALC awards degrees at the end of each academic term (fall, spring, and summer). Graduation ceremonies are held each year at the end of spring semester. Students meeting graduation requirements during the fall, spring, or summer semester and who desire to participate in graduation ceremonies must apply by the posted graduation deadline. Students who meet graduation requirements but who do not wish to participate in graduation ceremonies must still apply for graduation. [Graduation application forms](#) are available online. A graduation fee is established for all persons receiving degrees. The cost of caps and gowns is separate, and can be ordered online through the Campus Bookstore.

In addition to completing the steps for application for graduation, students are responsible for determining that they are meeting all graduation requirements and have no outstanding financial obligation to the College. Students should meet regularly with their advisor to ensure that progress is being made toward their degree objectives. The advising of individual students as to their degree progress is a service provided and does not relieve students of their responsibility to make certain they are meeting the requirements of their degree.

Graduating students who have outstanding financial obligations or delinquent College accounts will not receive either the diploma or transcripts until their accounts are paid in full.



Transfer Information

Acceptance of Credit Transfer Credit Students who have previously completed college coursework with a grade of D or better can request to have their transcripts evaluated toward a degree or certificate at JALC. Transfer credit may be accepted from another college or university that is regionally accredited by any of the following associations:

HLC	The Higher Learning Commission
MSA	Middle States Association of Colleges and Schools Middle States Commission on Higher Education
NASC	Northwest Association of Schools and Colleges
NEASC-CIHE	New England Association of Schools and Colleges Commission on Institutions of Higher Education
NEASC-CTCI	New England Association of Schools and Colleges Commission on Technical and Career Institutions
NWCCU	Northwest Commission on Colleges and Universities SACS Southern Association of Colleges and Schools Commission on Colleges
WASC-ACCJC	Western Association of Schools and Colleges Accrediting Commission for Community and Junior Colleges
WASC-ACSCU	Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities

Steps to having your transcripts evaluated:

1. Request official transcripts be sent to the Admissions and Records Office at JALC from each institution attended
2. Submit a Transfer Credit Evaluation form listing all transfer institutions and the degree or certificate you plan to seek at JALC.

When the required documentation is received, an official evaluation of the student's coursework will

be completed. Evaluation results will be noted on the student's official academic record.

A transfer course that meets general education requirements will be accepted to meet comparable general education requirements. College-level courses that are not direct equivalents will be evaluated for elective credit. Transfer credits do not necessarily apply to all certificates or degree programs. International students should refer to the International Student Admissions section of the catalog.

Proficiency Credit (Board Policy 8220): Proficiency exams are available in certain subject areas.

A student wishing to make application to take a proficiency examination should follow the instructions outlined within **Proficiency Examinations Administrative Procedure 804.**

Proficiency Examinations Administrative Procedure 804:

Proficiency exams are available in many areas. A student wishing to make application to take a proficiency examination should initiate the request with an academic advisor. The proficiency examination request and authorization forms may be obtained from advisors.

After receiving approval from the advisor, the student should schedule an appointment with the dean for academic affairs for final approval and scheduling of the examination. The purpose of the meeting with the dean for academic affairs is for the student to furnish evidence that he/she has the necessary background, knowledge and/or experience to sit for the exam.

The student will then deliver the forms to the Business Office and pay the appropriate fee. The non-refundable fee is determined by multiplying the tuition rate by the number of credit hours. After paying the fee, the student should return the form(s) to the office of dean for academic affairs, which schedules the test(s) in the Learning Resources Center. The student will be notified when to take the examination(s).

1. Any student is eligible to apply.

2. Credit may not exceed 30 semester hours (including credit earned by CLEP and Advanced Placement).

3. If a student earns proficiency credit, the record will show the course number, title, hours of credit granted, the grade, and a notation, "Credit granted by proficiency examination."

A. If a student passes a proficiency exam with a grade of "A" or "B," he/she will be granted credit hours, the grade will be shown, and it will count in the student's grade-point average.

B. If a student receives a grade of "C" or "D" on a proficiency exam, he/she will receive neither credit nor grade points. The record will reflect nothing regarding the exam; however, the proficiency exam grade form will be filed in the student's folder for future reference.

4. A student may not take a proficiency examination for the same course more than one time. He/she may not take a proficiency exam in a course in which he/she has previously received a grade or which he/she has audited.

5. No credit granted by proficiency examinations will be recorded until the student has earned at least 12 hours of credit of "C" grade or higher at John A. Logan College.

6. A student is ineligible to take a proficiency exam for a course in which he/she is currently enrolled after the close of the drop period unless specified under a dual credit agreement.

7. Courses for which students may obtain proficiency credit and details of the examinations will be determined by individual departments.

Academic Policies and Regulations

Student Classification: Students who have completed up to 30 credit hours at John A. Logan College are classified as freshman. Students who have completed 31 hours or more are classified as sophomores.

Academic Achievement Student Recognition:

President's Honor List: At the completion of each fall and spring semester, the office of the president will publish a President's Honor List of academic achievement. Any full-time student who has a 4.0 grade-point average for that semester will receive recognition.

Vice President's Honor List: At the completion of each fall and spring semester, the Office of the Vice-President for Instructional Services will publish a Vice President's Honor List of academic achievement. Any full-time student who has a grade point average between 3.5 and 3.99 for the semester will be named to the Vice President's Honor List.

Appeals Involving the Placement of Students on

Academic Suspension: Decisions involving the placement of students on academic suspension based on the requirements of this section may be appealed as follows:

1. Instances involving academic suspension may be appealed in writing to the Academic Progress Review Committee through the Dean of Student Services ten (10) calendar days of the notification of suspension.
2. Appeals will be reviewed by the Academic Progress Review Committee.
3. The decision of the Academic Progress Review Committee may be appealed within ten (10) calendar days to the president of the College who may, at his or her discretion, consider the appeal further.

Credit Hours: The academic year is divided into two semesters. The College also has a shortened summer term. Course credits are recorded in semester hours. The number of credit hours in each course is shown in the course descriptions elsewhere in this Catalog. A normal student load is 16 semester hours each semester and 8 semester hours during the summer term. A student must carry at least 12 hours (6 hours during the summer term) to be classified as a full-time student. If he/she carries fewer than 12 hours, he/she is classified as part-time. A student who desires to

carry more than 18 semester hours (12 during the summer term) must have permission from the dean of student services or the vice president for administration.

Grading System (Board Policy 8231)

The academic year is divided into two semesters. The College also has a shortened summer term. Course credits are recorded in semester hours. The number of credit hours in each course is shown in the course descriptions in the College Catalog. A normal student load is 16 semester hours each semester and 8 semester hours during the summer term. A student must carry at least 12 hours (6 hours during the summer term) to be classified as a full-time student. If he/she carries fewer than 12 hours, he/she is classified as part-time. A student who desires to carry more than 18 semester hours (12 during the summer term) must have permission from the dean of student services or the vice-president for instructional services.

Grading System

- A Excellent.....4 grade points
- B Good.....3 grade points
- C Average2 grade points
- D Poor1 grade point
- E Failing0 grade points

INC Incomplete. May be made up at the discretion of the instructor. The maximum time for making up an “INC” is one semester; otherwise, the student must repeat the course in order to gain credit. The incomplete grade will remain on the transcript if the course is not completed or retaken after one semester. No grade points/no credit/no penalty.

W Authorized withdrawal no later than the last day of the fifteenth week of the semester. No grade points/no credit.

AU Audit. No credit.

DEF Deferred. Used only for students enrolled in open-entry/open exit classes in which the work is of a continuing nature. No grade points/no credit.

PR Denotes proficiency (credit earned, but no grade points)

R Denotes repeat course.

P Pass (credit but no grade points).

S Satisfactory (credit but no grade points).

CR Denotes credit earned but no grade points awarded.

Course Repeat Policy

A student may repeat a course only one time in an attempt to improve a “D,” “W,” “INC,” or “E” grade for a given course. In instances where a student repeats a given course, both courses will be recorded on the student’s transcript. The higher or the two grades (except for INC) will be recorded on the transcript and used in computing the cumulative grade-point average.

The student must petition the dean of student services to repeat a course more than once and to repeat a course with a “C” or higher grade.

Accepting Advanced Placement Credit (Board Policy 8241): A student may earn a maximum of 15 credit hours through Advanced Placement Examinations. To receive credit, a student must earn a score of 3, 4, or 5. The credit does not carry a grade or grade points and is not calculated into the student’s grade point average. It is the student’s responsibility to submit his/her scores to the Admissions Office.

The credit and advanced placement will be granted in the appropriate field of study as determined by the dean for student services and appropriate department chair.

Dual Credit and Dual Enrollment Courses (Board Policy 8243): Enrollment in dual credit and/or dual enrollment courses is limited to students attending a John A. Logan College district public or private

school, and homeschooled students residing in the district. Students must be juniors or seniors or complete the additional requirements for sophomores. Dual credit and dual enrollment definitions are as follows and in accordance with ICCB rules:

Dual Credit – An instructional arrangement where an academically qualified student currently enrolled in high school enrolls in a college-level course and, upon successful course completion, concurrently earns both college credit and high school credit.

Dual Enrollment – An academically qualified student who is still enrolled in high school also enrolls in a college level course at the community college. Upon successful course completion, the student exclusively earns college credit. No high school credits are earned.

Eligible high school students who desire to enroll in dual credit and/or dual enrollment classes for college credit must: (1) complete a dual credit/dual enrollment form each semester signed by the high school principal or guidance counselor, (2) attach a copy of high school transcripts, and (3) take the appropriate placement tests.

High school students enrolled in dual credit/dual enrollment courses must follow the same course enrollment and withdrawal policies as post-secondary students.

A. Location

Dual credit classes are generally offered at the high school and are taught by college qualified high school instructors. High school and college credit are awarded for these courses. Classes taught at JALC, its extension centers, and on-line may be dual credit (receiving both college and high school credit) or dual enrollment (receiving only college credit).

B. Tuition

Students enrolling in dual credit taught at their high school will have tuition and fees waived. Students enrolling in dual credit or dual enrollment classes taught at JALC, its extension centers, or on-line will pay all fees—tuition is waived for 8 credit hours

each semester. Students wishing to enroll for additional course hours beyond those for which tuition is waived shall be required to pay all tuition and fees associated with the course(s).

Time eligibility chart for qualified students entering the Dual Credit/Dual Enrollment Program:

Entering the program fall of sophomore year	6 consecutive semester eligibility(does not include summer)
Entering the program spring of sophomore year	5 consecutive semester eligibility(does not include summer)
Entering the program fall of junior year	4 consecutive semester eligibility(does not include summer)
Entering the program spring of junior year	3 consecutive semester eligibility(does not include summer)
Entering the program fall of senior year	2 consecutive semester eligibility(does not include summer)
Entering the program spring of senior year	1 semester eligibility(does not include summer)

This chart is informational and may be modified if the Illinois Community College Board changes enrollment status requirements for additional student groups.

For more information, contact the office for Dual Credit/Dual Enrollment for High School Students, or visit the webpage at [JALC Dual Credit/Dual Enrollment](#).

Summer Honors Institute: The College hosts a Summer Honors Institute for high school students between their sophomore and junior year and between their junior and senior year. Details are with the Office for Dual Credit/Dual Enrollment or with the high school guidance office.

College Level Examination Program (Board Policy 8210): College credit may be awarded through the College Level Examination Program (CLEP).

There are two (2) types of CLEP examinations available: The CLEP General Examinations, which provide a comprehensive measure of undergraduate achievement in five (5) basic areas of liberal arts and the CLEP Subject Examinations designed to measure achievement in specified

undergraduate courses offered at John A. Logan College.

All high school graduates (or the equivalent) who reside in the John A. Logan College district are eligible to participate.

CLEP examination credit will not be awarded for any course in which the student is presently enrolled. CLEP credit will also not be awarded for any equivalent course in which the student has previously received a grade or which he/she has audited.

Information on fees and testing dates and locations may be obtained from the Southern Illinois University Testing Center.

Additional CLEP Information: The CLEP enables students to earn college credit by examination. CLEP is a means whereby students can receive credit for subject matter they have mastered through previous experience. A maximum of 30 semester hours earned through CLEP and/or proficiency examinations will be accepted at John A. Logan College. John A. Logan College does not administer the CLEP examinations; however, the examination is given monthly at a local testing center.

English–CLEP	6 hours credit
Humanities–CLEP	6 hours credit
Math–CLEP	3 hours credit
Natural Sciences–CLEP	6 hours credit
Social Studies–CLEP	6 hours credit

CLEP GENERAL EXAMINATIONS				
CLEP Test	Minimum Acceptable Score	Amount of Credit Awarded Sem. Hrs.	Equivalent John A. Logan College Course	Limitations and Restrictions
English Composition	61	6	ENG 101 and ENG 102	Essay Exam Required
Humanities	52	6	Satisfies up to 6 semester hours of total semester hour requirement except for specifically required courses.	None
Mathematics	58	3	MAT 113	None
Natural Sciences	52	6	Satisfies up to 6 semester hours of total semester hour requirement except for specifically required courses.	None
Social Sciences	52	6	Satisfies up to 6 semester hours of total semester hour requirement except for specifically required courses.	None

The CLEP General Examinations cannot be used to satisfy specifically required courses (except as listed below) for any John A. Logan College Baccalaureate Transfer or Career Programs. However, excess hours may be used to satisfy elective requirements. Students wishing to satisfy specific course requirements should consider the CLEP Subject Examinations.

CLEP SUBJECT EXAMINATIONS				
CLEP Test	Minimum Acceptable Score	Amount of Credit Awarded Sem. Hrs.	Equivalent John A. Logan College Course	Limitations and Restrictions
American Government	53	4	PSC 131	None
American History	53	6	HIS 201 and 202	None
American Literature	52	3	LIT 231 and LIT 232	None
Biology	55	3	BIO 101	Microscope Practical Exam Required
College Algebra/ Trigonometry	56	5	MAT III	None
English Composition	57	3	ENG 101	Essay Exam Required
French College Level I	42 Paper-based	8	FRE 101 & 102	None
French College Level I	50 Computer-based	8	FRE 101 & 102	None
French College Level II	45 Paper-based	8	FRE 101 & 102 FRE 201 & 202	None
French College Level II	62 Computer-based	8	FRE 101 & 102 FRE 201 & 202	None
General Chemistry	57	5	CHM 151 and CHM 152	None
General Psychology	57	3	PSY 132	None
Human Growth & Development	52	3	EDC 202	None
Introduction to Business Management	52	3	MGT 112	None
Introductory Accounting	56	8	ACC 201 and ACC 202	None
Introductory Business Law	57	4	BUS 221	None
Introductory Calculus	53	5	MAT 131	None
Introductory Economics	55	4	ECO 201	None
Introductory Marketing	55	3	MKT113	None

Introductory Sociology	54	3	SOC 133	None
Spanish College Level I	45 Paper-based	8	SPN 101 and SPN 102	None
Spanish College Level I	60 Computer-based	8	SPN 101 and SPN 102	None
Spanish College Level II	50 Paper-based	16	SPN 101 and SPN 102 SPN 201 and SPN 202	None
Spanish College Level II	63 Computer-based	16	SPN 101 and SPN 102 SPN 201 and SPN 202	None
Statistics	53	3	MAT 120	None
Western Civilization	57	6	HIS 101 and HIS 102	None

Student Attendance Policy (Board Policy 8410/Administrative Procedure 805)

The student attendance policy for each class will be determined by the instructor and it will be the student's responsibility to comply with the policy for each class and/or program. No central attendance records, other than those required by state and federal regulations, are reported.

Course Withdrawal

(Board Policy 8314/Administrative Procedure 821)

Student-Initiated Withdraw: Students who do not wish to continue in a course are responsible for officially withdrawing or dropping the course from their student schedule. To do so, they should drop the course through the student portal at MYJALC or contact their academic advisor for assistance.

- Students who fail to drop during the designated drop period at the beginning of the semester as outlined in the Instructional Calendar and Schedule of Classes will not be eligible for a refund of tuition and fees, and may receive a failing grade for the course.
- Students may formally withdraw from a class during the designated period outlined in the Instructional Calendar and the Schedule of Classes in order to receive a grade of "W". The "W" grade is not used in the calculation of the student's grade point average, however, it may negatively impact a student's eligibility to receive financial aid. Students should contact the Financial Aid Office with questions concerning eligibility.
- Students who withdraw from a class may register for that class again in a subsequent semester.

Administrative Withdrawal

John A. Logan College reserves the right to administratively withdraw a student for disciplinary reasons as outlined in the Rights and Responsibilities; A Student Code of Conduct. The College may also withdraw a student who fails to meet the financial obligations of attendance.

Faculty-Initiated Withdrawal

Instructors reserve the right to withdraw students from their classes at any point in the semester due

to plagiarism, cheating, or other conduct violations. Further, they reserve the right to withdraw a student from class during the withdrawal period due to excessive, unexcused absences as outlined below and in the syllabus.

Traditional Classes: In a traditional 8 or 16-week class, "withdrawal" grades may be assigned at the time a student has missed the equivalent of one consecutive week of class without approval from the instructor concerning the absences. (For example, in an 8-week class that meets four times per week, a student could be withdrawn after being absent two consecutive class periods.)

Online and Hybrid Classes: In a 16-week online/hybrid class, a "withdrawal" grade may be assigned when the student has not participated in the course for 10 days, as indicated by course activity reports. In an 8-week or less course, a student may be withdrawn after failing to participate for five days. Logging into the course is not sufficient to be considered participation. Participation for online and hybrid courses is defined as an active process and may include: posting/sending assignments to the drop box or instructor's email, participating in online discussion boards, taking quizzes or exams, or otherwise communicating and participating in some manner that is approved by the instructor.

Student Email: All information sent through student email is considered official college correspondence to the student from the college. Students are responsible for checking their own accounts.

Audit Policy (Board Policy 7340): An officially registered student who does not desire to or feel qualified to complete the work required for receiving credit in a particular course but who wishes to attend the class regularly, may register to audit a class.

An auditing student may participate in all class activities, assuming that such participation does not hinder the participation of those registered for credit. Specific requirements or responsibilities of the auditing student are at the discretion of the

instructor and should be made clear when the permission to audit is granted.

The following policies and regulations apply to auditors:

1. The class to be audited must be approved by the student's advisor and by the instructor whose course the student wishes to audit.
2. Enrollment priority is given to credit students. Therefore, a student intending to audit a class may officially register only during the first three (3) school days following the close of late registration for credit courses. A student intending to audit may, with the consent of the instructor, attend the first week of classes unofficially.
3. The same tuition is charged for audited courses as for credit courses.
4. Audited hours do not count as credit hours for purposes of determining scholarships, veterans' benefits, etc.
5. An "AU" is recorded on the student's transcript when the audit is satisfactorily completed; otherwise, no entry is made.
6. A student may change from audit status to credit status during the first ten (10) school days of the semester, provided he or she has the consent of an advisor and the instructor. A student registered for credit may, with the same approvals, change to an audit status up to the end of the fourth week of the semester.
7. An audited course may later be taken for credit.

Academic Programs and Requirements: Specific degree and certificate requirements are outlined in program guides provided in this Catalog. The following programs are granted by John A. Logan College:

- **Associate in Applied Science (AAS Degree):** The AAS Degree is awarded for the satisfactory completion of a prescribed curriculum intended to prepare individuals for employment in a specific field. Some AAS degree programs include coursework and requirements dictated by specialized accreditation or licensure by a state or national organization. Many health career programs have entrance requirements based on specific test scores, academic grades and residency. AAS degree programs are often articulated as a package with select four-year institutions in specified bachelor degree programs, Two-plus-Two, Capstone or Program-to-Program articulation agreements.
- **Associate in Arts (AA) Degree:** The AA Degree is intended to equate to the first two years of a four-year baccalaureate degree. An AA degree program includes the IAI transferable general education core curriculum (GECC) which satisfies the lower division general education requirements for a bachelor's degree at participating IAI institutions in Illinois. The program guides prepared for each AA degree program include the common lower division course recommendations/requirements for the corresponding bachelor's degree option at four-year institutions
- **Associate in Arts in Teaching (AAT) Degree:** The AAT degree is aligned with the Illinois Professional Teaching Standards. The AAT is available in only a few disciplines; not all teacher education program areas. Students must earn a minimum acceptable cutoff score on the Test of Academic Proficiency (TAP), the ACT plus Writing or the SAT (critical reading, mathematics, and writing) to qualify for an AAT degree. To qualify for entry into a professional Teacher Education Program at a four-year institution, an overall grade point average of a least 2.5 is a common requirement. A grade of "C" or higher in each course may also be required
- **Associate in Engineering Science (AES) Degree:** The AES Degree is aligned with the first two years of a baccalaureate degree in engineering. Unlike the AA and AS degrees, the AES does not include the full IAI GECC component. Completion of the GECC package should be an option after transferring to an IAI participating institution.
- **Associate in Fine Arts (AFA) Degree:** The AFA Degree is aligned with the first two years of a baccalaureate degree in a fine arts area such as music or art. Unlike the AA and AS degrees, the AFA does not include the full GECC package. Completing the GECC package should be an

option after transferring to an IAI participating institution.

- **Associate in General Studies (AGS) Degree:** The intent of the AGS is to meet unique needs and interests of a student that cannot be met by another associate degree option. An AGS degree program is individually designed by mutual agreement between the student and a college-appointed academic advisor. The courses selected may or may not be accepted by a four-year institution and if accepted may or may not be evaluated as applicable to a specific four-year degree program or major. AGS candidates may be enrolled in a certificate program and find a need for earning an associate degree. Other AGS candidates may want to design a program providing a broad general education background.
- **Associate in Science (AS) Degree:** The AS Degree is intended to equate to the first two years of a four-year baccalaureate degree. An AS degree includes the IAI transferable general education core curriculum (GECC) which satisfied the lower division general education requirements for a bachelor's degree at participating IAI institutions in Illinois. The program guides prepared for each AS degree program include common lower division course recommendations/requirements for the corresponding bachelor's degree option at four-year institutions.

A "revised model" for an Associate in Science degree was approved by the Illinois Community Board and is effective with the fall 2016 semester. This revised model applies to those who have officially graduated from high school and who enrolls in his/her first college level course during the 2016 fall semester. This model does not fulfill completely the IAI GECC package, reduces both the humanities and Fine Arts area and the Social and Behavioral Sciences area from three courses and nine credits to two courses and six credits and adds additional requirements for the A.S. degree that includes 3 credits of mathematics and three credits of Physical or Life science credit. The three credits needed in both the IAI Humanities and Fine Arts area and in the IAI Social and Behavioral Sciences area to complete the full IAI GECC package are deferred

to IAI participating four year institution. After completing these two courses, you should send a transcript back to John A. Logan College and request a review of the IAI GECC package and posting of "IAI GECC package completed" to your official transcript.

- Certificate of Achievement. The Certificate of Achievement prepares individuals for employment or advancement in various occupational specialties.

General Program Requirements:

To be awarded an AAS, AA, AES, AFA, AGS or AS degree, a student must:

- complete 12 semester hours of credit at John A. Logan College with an overall grade-point average of 2.0;
- satisfactorily complete all specific degree requirements; and
- make application for graduation and pay the required graduation fee

To be awarded an AAT degree, a student must:

- complete 12 semester hours of credit at John A. Logan College with a minimum grade-point average of 2.5;
- satisfactorily complete all specific degree requirements;
- earn a minimum or acceptable cutoff score on the Test of Academic Proficiency (TAP), the ACT plus writing or the SAT (critical reading, mathematics, and writing);
- make application for graduation and pay the required graduation fee.

To be awarded a certificate of achievement, the student must:

- complete at least 9 semester hours of credit at John A. Logan College (excluding CLEP and proficiency credits). If the certificate is less than 15 semester hours, 3 semester hours of credit must be completed at John A. Logan College.

- satisfactorily complete all certificate program requirements with a 2.0 overall grade-point average.
- make application for graduation and pay the required graduation fee.

Waiver of Academic Requirements

Institutional Responsibility: In order to maintain the integrity of the College's academic programs, special criteria for admission to certain courses and curricula must be set, minimum requirements for retention of student status must be defined, and requirements for completion of curricula and awarding degrees must be set. For such standards to be meaningful, they must be realistic. However, in recognition of the fact that there may be extenuating circumstances or compensating factors in a particular case, appeals for waivers of specific graduation requirements may be made through a student's advisor to the vice president for instructional services. All waivers of required courses in any College program and all authorizations for substituting certain courses in lieu of specific program requirements must be approved by the vice president for instructional services. The vice president's written approval for a waiver must be filed with the Admissions Office prior to the student's formal graduation check.

Student Responsibility: In order that academic requirements may be protected and applied in an effective and reasonable manner, each student has the right to request an exception to the requirements only if the circumstances are extremely unusual and compelling. Likewise, the student is obligated to follow the appeal procedures specified and not seek to circumvent them.

Reverse Transfer: If you transfer to a four year institution prior to fulfilling the IAI GECC package and/or before earning an associate Degree, you may want to send an official transcript to John A. Logan College after completing a semester or two and ask for a review of IAI GECC requirements and/or Associate degree requirements to determine what is remaining to qualify for the Associate Degree. If you have now completed IAI GECC package and/or fulfilled Associate degree

requirements, request the appropriate posting(s) to your official transcript.

Smoking Regulations (Board Policy 3366): The purpose of this policy is to provide a healthy, clean, and safe environment for all students, staff, and general public who use College facilities. This policy recognizes that smoking is a matter of individual choice that should not infringe on the rights and desires of other individuals. Furthermore, the College must comply with the Smoke Free Campus Act (110 ILCS 64).

It is intended that this policy be self-enforcing primarily. However, faculty, staff, students, and student government are expected to assist with enforcement. In instances where faculty, staff, and student government people are able to identify repeat offenders, the campus police staff is to be called to assist with enforcement. Student offenders who continually violate the policy will be referred to the vice-president for business services and college facilities for disciplinary procedures under the Student Rights and Responsibilities Handbook. Faculty and staff offenders will be disciplined through regular administrative channels within their division at the College.

Facilities and property owned or controlled by John A. Logan College are established as smoke-free effective July 1, 2015. Smoking is permitted under this policy and the Smoke Free Campus Act in personal automobiles only. For purposes of this policy and the Smoke Free Campus Act, the use of "E-Cigarettes" is strictly prohibited unless within a personal automobile.

This policy provides that no tobacco products are to be sold or given out as complimentary items on campus. Signs will be posted at all main campus entrances clearly indicating the campus is a Smoke Free Campus. The success of this policy will depend on the guiding principle that everyone has the right to breathe clean air and that this right is more important than an individual's right to choose to smoke.

Rights and Responsibilities: A Student Code of Conduct (Board Policy 8310): The John A. Logan College Board of Trustees' policy on student rights and responsibilities is embodied in the latest edition of Rights & Responsibilities: A Student Code of Conduct. Each edition of Rights & Responsibilities: A Student Code of Conduct is authorized by the Board of Trustees and is designated by Board Policy 3350 as an official publication of the College.

The document is available online at the college's website under Online Resources at [Rights and Responsibility Manual](#)

Higher Educational Opportunity Act: John A. Logan College is required to disclose certain consumer information as authorized by the [Higher Education Opportunity Act](#). All information regarding [Students Right to Know/Consumer Information](#) can be found on the college webpage.

Rights Under the Family Educational Rights and Privacy Act: The Family Educational Rights and Privacy Act affords all students certain rights with respect to their educational records.

These rights are as follows:

- the right to inspect and review the student's own educational records;
- the right to request the amendment of the educational records to insure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights;
- the right to consent to disclosures of personally identifiable information contained in the student's educational records, except to the extent that the law authorizes disclosure without consent;
- the right to file with the U. S. Department of Education a complaint concerning alleged failures by the College to comply with the requirements of the law; and the right to obtain a copy of the College's student records policy. [FERPA Guidelines](#)

Other Important Policies and Procedures for Students

Additional policies and procedures for students are as follows:

- [Students Disciplinary Action \(Board Policy 8315\)](#)
- [Student Appeals \(Administrative Procedure 832\)](#)
- [Removal from Campus \(Student, Guest, or Employee\) Administrative Procedure 361](#)
- [Excused Student Absences \(Administrative Procedure 361\)](#)
- [Disabled Students \(Administrative Procedure 807\)](#)
- [Sexual Harassment \(Board Policy 3364\)](#)
- [Sexual Harassment of Students \(Board Policy 8312\)](#)
- [Weapons and Firearms Policy \(Board Policy 3373\)](#)
- [Zero Tolerance for Violence or Threatening Behavior \(Board Policy 3372\)](#)

Student Support Services

Academic Advisement: Every student admitted to John A. Logan College will be assisted prior to and during registration in developing his or her educational and vocational plans. This service will be provided by a counselor or by an academic advisor. These people will be available throughout the year to help the student with problems that may interfere with progress toward his or her goals.

Student Success Center: The Student Success Center (SSC) coordinates several programs including TRiO Student Support Services, Tutoring, and Disability Support Services.

The TRiO Program: The TRiO program is a component of the Educational Opportunities Program (EOP) that is funded through the U. S. Department of Education. This program provides individual support to students who are low-income, first generation college students, and/or disabled.

The purpose of TRiO is to increase college retention and graduation rates for eligible students. Benefits provided may include mentoring, cultural enrichment activities, tutoring, leadership-development training, scholarships, transfer and financial aid assistance, and others. TRiO students may also utilize any of the other support services offered through the Student Success Center based on their individual needs. Applications for the TRiO program are available in room C-219 or online at [Online TRiO Application](#)

Tutoring: The SSC offers students the opportunity to increase their educational skills through tutoring.

Tutoring is offered in both transfer and career areas, including mathematics, science, business, and language arts. The center uses both professional and peer tutors to assist students. Tutoring is available on a walk-in basis in the math Help Room (C218F) and Biology Help Room (C243A) or one-on-one appointments are available. Request appointments in Room C219 or online at [Tutor Request Form](#).

The tutoring program is certified through the College Reading and Learning Association (CRLA), and all tutors complete Level I and II training requirements.

Disability Support Services: The Student Success Center provides reasonable accommodations for students with disabilities. Students with disabilities who want to request accommodations are required to meet with the Disability Support Services coordinator at least six weeks prior to the beginning of the semester in which they plan to attend. Students requesting accommodations must have appropriate documentation of a disability in order to receive reasonable accommodations. Visit the following site to view our documentation standards: [Disability Support Services](#).

In addition, students are required to request accommodations each semester they plan to use the approved accommodations.

Reasonable accommodations may include, but are not limited to, note takers/scribes, sign language interpreters, alternative format books, extended

time for exams, accessible seating, and parking permits.

Professional sign language interpreters are available for students who are deaf or hard-of-hearing for class lectures, tests, field trips, personal and career counseling, and other scheduled activities

Educational Workshops: The Student Success Center offers a variety of workshops each semester designed to enhance students' academic skills. Workshop topics include study skills, test-taking techniques, stress management, relaxation techniques, and overcoming math anxiety. See a list of times and locations at [Student Success Workshops](#) or call (618) 985-3741, ext. 8289.

Personal Counseling: Often students need assistance with social and personal problems, as well as with academic and career concerns. For this reason, professionally trained counselors are available to help students understand and resolve these problems. Referrals to community resources are also provided for situations requiring additional support.

The Write Place: Located in C215, the Write Place is the College's writing center. It offers free tutoring in English, especially student essays, research papers, and other written assignments.

Career Services: Career Services assists students in effectively realizing their career plans. This is achieved by computerized testing and by personal interviews. Students receive help in clarifying goals and objectives that are related to their life and work values, abilities, needs, and interests. The center recognizes that making realistic career choices and adaptations to job market demands and/or changing lifestyles is important to successful career development.

Career Testing: Individual testing is available and is administered through the career counselors. These tests can assist a student in discovering interests and skills in various areas. Interested students should contact Career Services to schedule an appointment.

Off-Campus Employment: John A. Logan College provides a service that is available to assist all

students, graduates, and alumni in securing employment in positions directly related to their areas of academic preparation. Individuals seeking positions in Illinois and several other Midwestern states are aided by a computerized list of jobs. Students can further utilize Career Services by receiving individual assistance with résumé preparation, interviewing techniques, and other valuable pre-employment skills.

Career Services will also assist students in finding part-time employment while enrolled at John A. Logan College. Those seeking part-time employment should register with Career Services as soon as possible after admission procedures have been completed.

On-Campus Employment: In addition to assisting students in locating off-campus employment, Career Services is responsible for coordinating the student work program at John A. Logan College. There are limited positions available in the student-work program, which has been designed to provide part-time employment for students who need financial assistance in order to attend college.

Emergency Text/Email Messaging System

(JALCtext): John A. Logan College offers text/email messaging system (JALCtext). The system allows students and staff to receive text and/or email messages about emergencies and school closures. In addition, registered users can choose to receive information about various other campus activities through this system (alumni information, athletic scores, performance series information, etc.). This service is offered at no charge to the user, except for the wireless carrier's text message charge (if applicable). **To register**, go to the following website and sign in to create an account: [JALCtext](#)

Learning Resources Center (LRC): The LRC supports instructional programs of the College. It consists of the College's Library; a Teaching and Learning Center, which supports the professional development of faculty and staff; a Learning Laboratory for proctored testing and online class support services; and a Student Multimedia Lab. The College's Distance Learning program is also administered by the LRC.

Library Services: The library provides access to a collection of books, e-books, periodicals, pamphlets, maps, government documents, newspapers, online databases, and the Internet. Library Services supervises the circulation of materials from this area and materials placed on reserve. Library personnel provide reference services and library instruction. Students may request materials through interlibrary loan if the needed materials are not available at the John A. Logan College Library. Students with off-campus access may connect to the College's home page, the online catalog, and many online databases. Copy machines are provided for student use. Computers are available for students to search the online catalog, online databases, and Internet as well as for word processing use. The Library also has student access to typewriters. Study carrels are available for individualized study.

The library at John A. Logan College is an active, participating member of ILLINET library network, the Southern Illinois Learning Resources Cooperative, NILRC, and the Shawnee Library System's automated catalog.

Teaching Learning Center (TLC): The Teaching & Learning Center supports the faculty and staff by providing training and professional development services. The TLC provides training and support in instructional design, pedagogy, multimedia authoring, and implementing instructional technology in the classroom and online. The TLC maintains a multimedia/computer classroom (C230H) and a video recording studio (C229). The TLC multimedia/computer lab is for faculty use and has both Apple Macintosh- and Windows-based computers. The lab has up-to-date versions of the leading office and multimedia suites and has graphics tablets, scanners, and webcams on each workstation.

Learning Laboratory: The facility is located on the upper level of the LRC (C-227). Its mission is to provide materials and equipment needed by students working on an individualized study basis. The Learning Lab is a secure testing facility where students receive proctored examinations. They may also pick up instructional packets from instructors and leave completed assignments.

Students also receive technical assistance with online courses.

Student Multimedia Center: The Student Multimedia Center (C231A) houses a computer laboratory, which features both Windows and Macintosh computers with a selection of multimedia production programs. This lab provides open hours for students to work on course assignments that require multimedia production. Web design, photography editing, and digital painting are just a few of the things students are able to do. Each computer has a scanner, and most have a graphics tablet for drawing and painting.

Media Distribution: Media Distribution (C-122) supervises the scheduling, distribution, and use of audio-visual equipment and instructional materials used in classrooms and throughout the College. Media Distribution maintains a large collection of instructional videos and other multimedia materials for faculty use. Throughout campus, the Media Distribution office supports multimedia classrooms and delivers and maintains audio-visual equipment.

Graphics Services: Graphics Services provides graphic and publication design services for the College. The office produces photographs, posters, newsletters, pamphlets, web graphics, and other materials for offices throughout the College.

College Website: (<http://www.jalc.edu>): The College website to provide information and services for students, faculty, staff, and the community. The website provides up-to-date and accessible information on departments, programs, events, and resources. The site is designed for easy navigation and is a portal for the College's online instructional program.

Distance Learning (Online Courses): Distance Learning includes online courses both virtual and hybrid. Distance Learning provides students an opportunity to study on a more flexible schedule while extending accessibility to students who might not otherwise be able to pursue higher education.

Online courses enable students to customize learning to individual time and place needs since the courses are taught primarily via the Internet

rather than in the classroom. Online courses are no less challenging or academically rigorous. Students will have to spend at least as much time, and possibly more, to be successful.

Online courses are not independent study courses. Online courses are highly structured and involve frequent interactions with the instructor and with other students enrolled in the course. Students use the Internet for communicating with the instructor and with other students, gaining access to course materials, conducting research, and submitting assignments.

- Virtual (courses with a section designation of V1, V2, etc.) – Any course approved for online instruction that requires no more than three visits to a campus or off-campus location during a semester.
- Hybrid (courses with a section designation of H1, H2, etc.) – Any course approved for online instruction that requires four or more visits to a campus or non-campus location during a semester.

Textbooks and other materials may be ordered from the campus bookstore.

It is not necessary to have a high level of computer proficiency, but students should have some computer experience navigating the Internet and using email. The ability to use a word processing program is very important in an online course. If you do not have Internet access at home or at work, you can still take an online course using computers in our open access laboratories.

Internship Program: The John A. Logan College Internship Program is an on-the-job work experience that will enable the student to apply the skills and knowledge learned in the classroom. This experience is a cooperative adventure involving the student, the College, and a training station. It is closely planned and supervised by the College coordinator and the employer in order to allow students to obtain the maximum benefit. Students are evaluated by the College coordinator after a conference with the trainer at the training station.

Campus Police: Campus Police represents a progressive campus police organization providing protection to the facilities of the College and protection and services to its population. It has a walk-up window between E105.

The officers of the department are empowered by Illinois law to enforce all criminal and traffic laws of the state and the local ordinances of the College. All standard means are used by the department to enforce good order and to maintain traffic control on campus.

Parking: Parking facilities are available to all College students at various parking lots on the campus. On-campus parking is a privilege and is subject to the parking and traffic regulations of the College.

No parking is allowed on any campus street, sidewalk, or on any unpaved area of the campus. Certain areas of the campus parking lots are reserved for faculty and staff parking and for parking for individuals with disabilities. Use of these reserved areas requires the display of a special parking permit, which is available in the Security Office.

Persons violating parking regulations are subject to a fine of \$5 to \$250. Parking violations may be paid at the Campus Police window (Room E105) within five days of issue. Failure to comply may subject the violator to more penalties. Parking citations may be appealed in writing on a form available at the Campus Police and must be filed within five days of issue.

Public Transportation: Public Transportation is available free of charge to John A. Logan College students who are travelling between Carbondale and Carterville each day. The Saluki Express runs Monday through Friday from 7:30 a.m. to 5:00 p.m. and has designated stops in Carbondale and at John A. Logan College. The bus route is run only when Southern Illinois University in Carbondale is in session. Bus schedules may be picked up at the Information Desk or at the Admissions Office at John A. Logan College.

Student Life

Athletic Program: John A. Logan College provides a well-balanced athletic program. The College competes inter-collegiately in basketball, baseball, and golf in the men's division and in volleyball, basketball, softball, and golf in the women's division. John A. Logan College strives to be competitive in all sports on the community college level and attempts to provide an enthusiastic and positive atmosphere for all student athletes. John A. Logan College is a member of the National Junior College Athletic Association (NJCAA) and the Great Rivers Athletic Conference (GRAC).

Visit the Athletic Department on the College's website at [JALC Athletics](#) or call (618) 985-3741, Ext. 8369; or visit Office C101.

Student Activities and Cultural Events: The Office of Student Activities and Cultural Events enriches life in the John A. Logan College district by providing accessible, diverse, and engaged learning experiences through co-curricular and cultural programs.

Clubs and Organizations: The College's 20-plus clubs and organizations provide students with opportunities for leadership development, service to the College and surrounding community, and socialization with peers. For a current and complete list of clubs and organizations, visit [JALC Club Corner](#) or contact the Student Activities office in B29 or email activities@jalc.edu, or call 618-985-2828 Ext. 8287.

Student Government: The College's student government association is the Student Senate. It is comprised of representatives from student clubs, the student trustee, and other at-large students. The Senate identifies and addresses student issues, sponsors service projects, and encourages student involvement on campus.

For more information about the Student Senate, contact the Student Activities office in B29 or email activities@jalc.edu, or call 618-985-2828 Ext. 8287.

Student Publication: The College's student literary magazine, *Expressions*, is published annually by the English Department.

Performing Arts: The annual Performance Series features College-produced music and theater productions and brings to campus national and international touring groups. Tickets for evening performances are reasonably priced for all audiences, and students receive further discounts. Daytime matinees and workshops are also offered at reduced prices. Most productions take place in O'Neil Auditorium.

For a current list of performances, visit [Performing Arts Schedule](#) or the Student Activities office in B29 or email activities@jalc.edu or call 618-985-2828 Ext. 8287.

Special Events: The Student Activities office is involved with the College's community events including the Women's Health Conference, Southern Illinois Hunting and Fishing Days, and AutumnFest Arts and Crafts Show. The office also works with College faculty to coordinate K-12 and College events. For a current schedule of events visit [JALC Special Events](#) or contact the Student Activities office in B29 or email activities@jalc.edu or call 618-985-2828 Ext. 8287.

Museum: The John A. Logan College Museum presents a variety of art cultural exhibits. The Museum's four exhibit galleries are located in the halls of the College. The Purdy School one-room schoolhouse is located on the west side of the campus and each semester hosts schoolchildren for a historic educational experience. For a current list of exhibits visit [JALC Museum](#) or contact the Student Activities office in B29 or email museum@jalc.edu, or call 618-985-2828 Ext. 8287.

Campus Information Services: The Student Activities office operates the College's Information Desk, manages campus bulletin boards, and provides other information services. The information desk can be reached at 618-985-2828 Ext. 8613.

International Education Programs: John A. Logan College offers a wide range of international education opportunities for students, faculty, staff,

and the community. Lectures, exhibits, and performances frequently have an international flavor, and round-table discussions on topics of international interest are also held several times each semester.

Numerous courses at the College include units or topics of international information. For example, a marketing course might include a unit on selling a product in Japan, or a child psychology course might cover child-rearing practices in other countries. In addition, courses are available in international relations, Latin American civilizations, and non-Western literature, history, and philosophy.

John A. Logan College actively explores global opportunities. Faculty and staff members participate regularly in exchanges with counterparts in other countries and are involved in both professional and personal travel around the globe. The College actively pursues contacts throughout the world.

Study Abroad Policy (Board Policy 3374):

Recognizing the value of studying abroad, John A Logan College endorses and supports educationally sound international programs in compliance with College policies, and those of our accrediting and governing boards.

Program Information John A. Logan College encourages students to explore the benefits of living and studying in a foreign culture. As a member of the Illinois Consortium for International Studies and Programs (ICISP), the College offers students a variety of study abroad opportunities. Any John A. Logan College student who has completed at least 12 hours of college-level work with a cumulative grade-point average of 2.75/4.00 is eligible to participate in these programs. All programs provide John A. Logan College credit or transferable credit from another Illinois institution with a range of courses that should fit into most baccalaureate transfer programs.

The College foundation and faculty/staff provide financing for some partial scholarships for these programs. For more information programs, contact the international education coordinator.

Some programs are done in cooperation with other ICISP member institutions, and new programs are added on a regular basis. Contact the international education coordinator for details on specific programs and deadlines for applications.

The most current information on other study abroad opportunities is available from the international education coordinator or on the College's homepage under "[International Education](#)."

Student Exchange Program: A short-term, reciprocal exchange program between John A. Logan College and the Netherlands is also available. Logan College students and Dutch students stay in each other's homes and visit classes and local places of interest to learn about each other's countries and educational systems. Students travel with a representative of the College. This reciprocal exchange provides a cost-effective international experience, ideal for the first-time traveler who wants to see if a longer study-abroad program would be of interest or for the student who can manage only a short time abroad. Dutch students generally visit Logan College during the fall semester, and Logan students travel to the Netherlands in mid-May after final exams. Contact the international education coordinator for more information.

FSA Eligibility for Study Abroad: A student's enrollment in a program of study abroad approved for credit by the home institution may be considered enrollment at the home institution for the purpose of applying for assistance under the FSA programs.

Non-Traditional Scheduling Options

Evening Credit Courses and Programs

The College offers a variety of credit courses during the evening hours. A complete schedule of available credit classes is published in the course schedule booklet on a semester basis [Course Schedule](#). Many adults are finding it possible to complete the requirements of an associate degree by attending evening classes on a regular basis.

Block Scheduling

Block scheduling allows students to take classes in large blocks of time—from 90 to 170 minutes. Classes begin at the start of a semester and near the middle of a semester. (Block courses are identified with 80 or 90 section numbers.)

Virtual/Hybrid Offerings

In addition, many of the College's courses have been approved to be offered in either a virtual or a hybrid format, which means that many programs have at least 50 percent of their courses available to be completed online. Consult with your academic advisor to choose the appropriate courses for the completion of your program.

Online courses enable students to customize learning to accommodate their time and location since the courses are taught primarily via the Internet rather than in the classroom. Online courses are no less challenging or academically rigorous. The student will spend at least as much time, and possibly more, to be successful.

Online courses are not independent study courses. They are highly structured and include frequent interaction with the instructor and other students enrolled in the course. Students use the Internet for communicating with the instructor and other students, gaining access to course materials, conducting research, and submitting assignments. Although it is not necessary to have a high level of computer proficiency, the online student should have some computer experience navigating the Internet, using e-mail, and have the ability to use a word processing program. It is recommended students have access to consistent Internet access to be successful in online courses. The college does offer open lab hours but the availability is restricted by their operating hours.

Virtual Courses

Virtual courses are any courses approved for online instruction that require no more than three visits to a campus or off-campus location during a semester. (Courses section numbers for virtual courses are V1, V2, etc.)

Hybrid

Hybrid courses are any courses approved for online instruction that require four or more visits to a campus or non-campus location during a semester. (Course section numbers for hybrid courses are H1, H2, etc.)

Educational Opportunities in Cooperation with John A. Logan College

John A. Logan Community College has entered into the *Comprehensive Agreement Regarding the Expansion of Educational Resources*, commonly referred to as the CAREER Agreement.

This agreement along with other cooperating colleges are able to expand instructional offerings to their students to programs at other colleges that are currently unavailable within their own districts. The list of participating institutions are listed below.

If a student is interested in enrolling in one of the programs included in the agreements, he or she should contact the V.P. for Instruction Office at (618) 985-3741 or (800) 851-4720, Ext. 8362.

Please note that these joint agreements are subject to change and some programs require pre-entrance testing.

**Black Hawk College
Carl Sandburg College
College of DuPage
College of Lake County
Danville Community College
Elgin Community College
Heartland Community College
Highland Community College
Illinois Central College
Illinois Eastern Community Colleges
Illinois Valley Community College
John A. Logan College
John Wood Community College
Joliet Junior College
Kankakee Community College
Kaskaskia College
Kishwaukee College
Lake Land College
Lewis and Clark Community College**

**Lincoln Land Community College
McHenry County College
Moraine Valley Community College
Morton College
Oakton Community College
Parkland College
Prairie State College
Rend Lake College
Richland Community College
Rock Valley College
Sauk Valley Community College
Shawnee Community College
South Suburban College
Southeastern Community College
Southwestern Illinois College
Spoon River College
Waubonsee Community College
William Rainey Harper College**

Baccalaureate Transfer Program

Credit Hour Requirements for Associate in Arts Degree

Group	AA Credit Hours
Communications	9
Humanities and Fine Arts	9
Mathematics	3
Social Sciences	9
Physical and Life Sciences	7-8
Major and General Electives	25+
Minimum-Maximum Credits	62-64

The Associate in Arts General Degree Requirements Worksheet can be viewed at

https://www.jalc.edu/files/uploads/global/catalog/pdfs/admissions_requirements_and_assessment.pdf

See your specific curriculum guide for courses recommended for your area of study.

Credit Hour Requirements for Associate in Science Degree

Group	AS Credit Hours
Communications	9
Humanities and Fine Arts	6
Mathematics	3
Social Sciences	6
Physical and Life Sciences	7-8
Major and General Electives	25+
Minimum-Maximum Credits	62-64

The Associate in Science General Degree Requirements Worksheet can be viewed at

<http://www.jalc.edu/files/uploads/global/catalog/academics/associateinscienceadvisementworksheet.pdf>

See your specific curriculum guide for courses recommended for your area of study.

This revised Associate in Science degree model is effective with the fall 2016 term for those who have officially graduated from high school and who has not yet taken a college level course before the start

of the fall 2016 semester. This revised model does not change the credits needed to fulfill the IAI GECC package. Credit hours taken from the Humanities and Fine Arts area and the Social Behavioral Sciences are moved to support the “Additional A.S. degree requirement” posting of a course in Mathematics and a course in Physical or Life Science that directly supports your intended major after transfer to a four year IAI participating institution in Illinois. To fulfill the IAI GECC package in this revised model, you will need to complete an additional three credit course approved as an IAI Humanities or Fine Arts course and a three credit course approved as an IAI Social and Behavioral Sciences course. These courses most likely will be completed after transfer but “may” be included in your JALC curriculum Guide document under the Major and General Electives section. If these two courses are completed after transfer, you should send an official transcript back to John A. Logan College and request a review of the IAI GECC requirements and if appropriate, request a posting on your official transcript that the IAI GECC package is complete.

Departments

All departments prepare students for transfer to four-year institutions. In addition, the departments have the following program goals:

Communication, Humanities, Social Science

The Communication, Humanities, and Social Science Department prepares students to think clearly and critically so they can make informed decisions in their private and professional lives. It teaches them to participate effectively in the entire communication process (reading, writing, speaking, and listening). The study of literature prepares students to clarify their own values while developing an understanding of others’ beliefs and an aesthetic awareness of life.

In the Humanities area the College strives to expand students’ awareness of, and sensitivity to, the human condition. By examining human needs, values, and achievements through the study of art, communication, languages, music, theater, and philosophy, students develop insights, critical thinking skills, and practical applications necessary

for private and professional goals. The humanities help students define who they are and who they may become.

In the Social Science area, the College prepares students to understand the relationships between the individual and society, the process of human social evolution, and the institutions of complex societies. Students who major in the social sciences read primary and secondary sources in the social sciences, demonstrate knowledge of the basic concepts, models, and theories of the social sciences, and use the basic analytical methods and techniques of the social sciences. Students develop a critical analysis of the strengths and weaknesses of social science and an appreciation and understanding of human social and cultural diversity.

Life and Physical Science Department

The Life and Physical Science Department provides students with opportunities to acquire knowledge in a variety of science topics, including: biology, chemistry, integrated science, physical science, and physics. In addition, the department offers courses in health and physical education.

The department strives to advance scientific literacy for general education opportunities, as well as for more specialized preparation for upper level science, engineering, and health occupations.

Many of the courses in the Life and Physical Science Department include laboratory components where students have hands-on learning experiences to further advance scientific understanding and knowledge.

Business, Computer Science, and Mathematics

In the area of Business, the College strives to provide students with knowledge and skills to compete for entry-level jobs in the business world. The program also prepares business students for job promotions, career advancements, and lifelong learning experiences in the business working environment and for transfer to four-year institutions.

Computer Information Systems provides the students with a range of curriculums that will provide students

with opportunities for careers in computer forensics, cyber security, and information assurance, while also preparing the student to take industry-standard certification exams. John A. Logan College has been designated a National Center of Academic Excellence in Cyber Defense Two-Year Education (CAE2Y) by the National Security Agency (NSA) and the Department of Homeland Security (DHS). Therefore, graduates will be qualified for careers in federal, state and local agencies.

Computer Science provides a solid foundation for students who are looking to transfer to a four-year institution. The classes have been articulated with many colleges and provide students with knowledge and skills in different programming languages. Students have an opportunity to develop their programming skills.

In the area of Mathematics, the College strives to emphasize the mathematical reasoning skills necessary to function in a technology-oriented society and workplace. Students can become quantitatively literate and capable of applying quantitative methods to real-life situations.

Additional Transfer Information

The College offers separate associate degree programs in the arts (AA), science (AS), fine arts (AFA), engineering science (AES) and arts in teaching (AAT). Students may complete degree requirements by completing the general course requirements for these programs. It is also possible for students to complete the freshman and sophomore requirements for the specific majors associated with these programs by following the appropriate curriculum guide. In general, students need to understand the difference between courses/credits being “accepted” by a transfer institution versus courses/credits being accepted and evaluated as “applicable toward meeting degree requirements”.

Certain Associate in Applied Science (AAS) degrees can be considered as a transfer degree. Articulation Agreements, Two plus Two Agreements and Capstone Options are a few examples that spell out the opportunity for an AAS degree to fit into a four-year bachelor degree program. Southern Illinois University (SIUC), for example, offers a Capstone Option for AAS degree program graduates. Eastern

Illinois University (EIU) offers a Bachelor of Arts in General Studies (BGS) degree. Western Illinois University (WIU) also offers a Board of Trustees Bachelor of Arts in General Studies degree.

Each curriculum guide also has its own specific requirements. Unless students are careful in their selection of courses during the first two years, they may unnecessarily lose valuable time. The office of Academic Advisement, Student Services advisors, and faculty advisors will assist the student in making a proper selection of courses, but it is the student's responsibility to learn what is required for his or her educational goals. The student is responsible for obtaining full knowledge of the information provided in this College Catalog concerning regulations and requirements of the College and his or her program of study. In addition, each student needs to become familiar with any special requirements of his or her transferring institution. Transfer institutions may require a grade of "C" or better for some courses to be accepted for transfer credit. Others may require a grade of "C" or better in certain courses to equate or substitute for a course required in a degree program.

Students desiring to pursue pre-medicine, pre-law, pre-veterinary, pre-chiropractic, or other pre-professional curricula should consult their advisor for help in selecting appropriate programs of study. All pre-professional curricula are based on the individual student's preference of senior institutions and undergraduate programs of study. The pre-professional student should be familiar with the transfer rules of the institution concerned, including any special rules for the student's proposed curriculum at that institution. An academic advisor will help the student develop an individual course plan.

Illinois Articulation Initiative (IAI)

John A. Logan College is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed Illinois General Education Core Curriculum (GECC) between participating institutions in Illinois. Completion of the transferable General Education Core Curriculum (GECC) at any participating college or university in Illinois assures transferring students that lower

division general education requirements for an associate or bachelor's degree have been satisfied. This agreement is in effect for students who entered an associate- or baccalaureate-degree-granting institution in Illinois as first-time freshmen in the summer of 1998 (and thereafter).

IAI General Education Core Curriculum (GECC)

The minimum requirements established for the Illinois Transferable General Education Core Curriculum (GECC) are as follows:

Communications. 3 courses (9 semester credits). The three courses should include a two-course (6 semester credits) sequence in writing and one course (3 semester credits) in oral communications. A grade of "C" or better is required in the two-course writing sequence.

Mathematics. 1 course (3 to 5 semester credits).

Physical and Life Sciences. 2 courses (7 or 8 semester credits). One course must be from the Physical Sciences, one must be from the Life Sciences, and one of these must be a laboratory course.

Humanities and Fine Arts. 3 courses (9 semester credits). One course must be selected from the Humanities, one from the Fine Arts, and one from either the Humanities or Fine Arts.

Social and Behavioral Sciences. 3 courses (9 semester credits). Courses must be selected from at least two different disciplines.

IAI GECC Completion

John A. Logan College students who complete this core curriculum with approved IAI courses will have their transcript posted verifying the completion of the IAI General Education Core Curriculum (GECC). Students who have completed the IAI Transferable General Education Core Curriculum (GECC) and transfer to another IAI participating institution will have completed that institution's lower division general education requirements required for general graduation purposes. Students who do not complete the IAI GECC requirements prior to

transfer should expect to fulfill the general education requirements as established by the receiving institution. However, some IAI participating institutions are now allowing students who transfer with at least 30 semester credits the option of completing the remaining IAI GECC after transfer.

In this case, it is recommended that you send your official transcript back to John A. Logan College and request a review of IAI GECC package. If it is now complete, request a posting to your official JALC transcript and the same if you have also completed Associate Degree Requirements. Students should also be aware that the recommended IAI Associate in Engineering Science (AES) and Associate in Fine Arts (AFA) curricula are designed to keep them on schedule with the native students in these disciplines at the participating four-year institution, but they do not fulfill the transferable General Education Core Curriculum (GECC) requirements. The Associate in Arts in Teaching (AAT) may or may not fulfill the IAI GECC package.

Effective with the Fall 2016 term, a revised model for the Associate in Science degree has been approved by the Illinois Community Board (ICCB). This revised model entails an IAI GECC component of Communications: 9 credits, Humanities and Fine Arts: 6 credits, Mathematics: 3 credits, Social and Behavioral sciences: 6 credits, and Physical and Life Sciences: 7 to 8 credits. In this revised model, you will need to take an additional 3 credits in Mathematics and 3 credits in Physical or Life Sciences that directly support your program of study after transfer.

After transfer, with the revised A.S. degree model, to fulfill the IAI GECC package, you will need to take an additional three IAI credit hours approved from Humanities or Fine Arts area and from the IAI Social and Behavioral Sciences area. These extra six credits “may” be listed under the Major and/or General Electives’ section of your JALC Curriculum Guide for your program of study. After completing these additional two courses after transfer, you should consider sending an official transcript back to John A. Logan College and request a review of the IAI GECC package. If now complete, your official JALC

transcript should show the IAI GECC package complete.

IAI Major Recommendations

The Illinois Articulation Initiative (IAI) also includes recommended freshmen- and sophomore-level courses for specific majors in the IAI Baccalaureate Majors Curricula. The majors’ course recommendations build on the transferable General Education Core Curriculum (GECC) by identifying major and prerequisite courses that students need to complete to transfer as a junior (that is, with an associate degree into a specific major). Each major panel recommendation explicitly encourages community college students to complete an associate degree prior to transfer.

In the course description section of this Catalog, the following codes identify qualifying general education courses: The IAI General Education Core Curriculum (GECC) courses:

IAI	C	Communications
IAI	F	Fine Arts
IAI	H	Humanities
IAI	L	Life Sciences
IAI	M	Mathematics
IAI	P	Physical Sciences
IAI	S	Social/Behavioral Sciences

The following codes identify qualifying major courses:

IAI	AG	Agriculture
IAI	ART	Art
IAI	BIO	Biological Sciences
IAI	BUS	Business
IAI	CHM	Chemistry
IAI	CRJ	Criminal Justice
IAI	CS	Computer Sciences
IAI	ECE	Early Childhood Education
IAI	EGR	Engineering
IAI	ENG	English
IAI	HIS	History
IAI	MC	Media and Communication Arts
IAI	MTH	Mathematics
IAI	PHY	Physics
IAI	PLS	Political Science
IAI	PSY	Psychology
IAI	SOC	Sociology

A database is maintained that contains all of the statewide IAI articulated courses at each participating institution. Students who plan to transfer at some point during their college career should access this IAI information on the IAI website at <http://www.itransfer.org>. The IAI Major Advisory Committees are undergoing a review of the core

curriculum for each major. Changes to the current major core course recommendations may be altered.

It is advisable for all students thinking about transferring to another institution to meet with an academic advisor to discuss the applicability of courses to a specific major or degree program of that other institution.

The following listing represents the John A. Logan College courses that are approved as matches to IAI courses as of the printing of this Catalog edition. All credits shown in the table below are semester credits.

JALC Course	Title	Credits	IAI Code	GECC/ Majors
ACC 200	Financial Accounting I (must also take ACC 201)	3	BUS 903	Majors
ACC 201	Financial Accounting II (must also take ACC 200)	3	BUS 903	Majors
ACC 202	Managerial Accounting	3	BUS 904	Majors
ANT 111	Anthropology	3	S1 900N	GECC
ANT 202	America's Diverse Cultures	3	S1 904D	GECC
ANT 216	Cultural Anthropology	3	S1 901N	GECC
ANT 240	Introduction to Physical Anthropology	3	S1 902	GECC
ART 101	Two-Dimensional Design	3	ART 907	Majors
ART 102	Three-Dimensional Design	3	ART 908	Majors
ART 111	Art Appreciation	3	F2 900	GECC
ART 180	Drawing I	3	ART 904	Majors
ART 220	History of Art I	3	F2 901	GECC
ART 221	History of Art II	3	F2 902	GECC
ART 256	Drawing II	3	ART 905	Majors
ART 291	History of Photography	3	F2 904	GECC
BIO 100	Biology for Non-Science Majors	3	L1 900L	GECC
BIO 101	Biological Science I	4	L1 910L	GECC
BIO 101	Biological Science I	4	BIO 910	Majors
BIO 102	Biological Science II	4	BIO 910	Majors
BIO 102	Biological Science II	4	L1 910L	GECC
BIO 105	Human Biology	3	L1 904L	GECC
BIO 110	General Botany	3	L1 901L	GECC
BIO 225	Genetics	3	L1 906	GECC
BUS 121	Business Statistics	3	BUS 901	Majors
CHM 141	General, Organic and Biochemistry I	4	P1 902L	GECC
CHM 151	Chemical Principles	5	P1 902L	GECC
	Chemical Principles	5	CHM 911	Majors
CHM 152	Chemical Principles with Qualitative Analysis	5	CHM 912	Majors
CHM 201	Organic Chemistry I	5	CHM 913	Majors
CHM 202	Organic Chemistry II	5	CHM 914	Majors
CIS 207	Computer Applications	3	BUS 902	Majors
CIS 240	Web Page Design	3	MC 923	Majors
CPS 202	Discrete Structures	3	M1 905	GECC
	Discrete Structures	3	CS 915	Majors
CPS 206	Computer Science I	4	CS 911	Majors
CPS 215	Computer Science II	4	CS 912	Majors
CRJ 103	Intro to Criminal Justice	3	CRJ 901	Majors
CRJ 105	Criminal Behavior	3	CRJ 912	Majors
CRJ 218	Intro to Corrections	3	CRJ 911	Majors
CRJ 223	Juvenile Justice	3	CRJ 914	Majors
ECE 160	Child Growth & Development	3	ECE 912	Majors
ECE 260	Child, Family & Community Relations	3	ECE 915	Majors
ECO 201	Introduction to Macroeconomics	3	S3 901	GECC
ECO 202	Introduction to Microeconomics	3	S3 902	GECC
ENG 101	English Composition I	3	C1 900	GECC
ENG 102	English Composition II	3	C1 901R	GECC
ENG 113	Professional Technical Writing	3	C1 900R	GECC

JALC Course	Title	Credits	IAI Code	GECC/ Majors
FRE 202	Intermediate French II	4	H1 900	GECC
GEO 112	Regional Geography	3	S4 900N	GECC
GEO 215	Environmental Biology	3	L1 905	GECC
GER 202	Intermediate German II	4	H1 900	GECC
HIS 101	Western Civilization I	3	H2 901	GECC
HIS 102	Western Civilization II	3	H2 902	GECC
HIS 103	World Civilization I	3	S2 912N	GECC
HIS 104	World Civilization II	3	S2 913N	GECC
HIS 201	United States History I	3	S2 900	GECC
HIS 202	United States History II	3	S2 901	GECC
HIS 213	Eastern Civilizations	3	H2 903N	GECC
JRN 201	Newswriting and Editing I	3	MC 919	Majors
JRN 215	Introduction to Mass Media	3	MC 911	Majors
LIT 211	English Literature to 1750	3	H3 912	GECC
LIT 212	English Literature: Romanticism to the Present	3	H3 913	GECC
LIT 231	American Literature to 1865	3	H3 914	GECC
LIT 232	American Literature: 1865 to Present	3	H3 915	GECC
LIT 235	American Short Story	3	H3 901	GECC
LIT 264	Literature for Children	3	H3-918	GECC
LIT 275	Art of the Cinema	3	F2 909	GECC
LIT 280	Introduction to Literature	3	H3 900	GECC
LIT 281	Introduction to Mythology	3	H9 901	GECC
LIT 284	Ethnic Literature in America	3	H3 910D	GECC
LIT 295	Women in Literature	3	H3 911D	GECC
MAT 113	Contemporary Math	3	M1 904	GECC
MAT 116	Finite Mathematics	5	M1 906	GECC
MAT 117	Calculus for Business and Social Science	4	M1 900-B	GECC
MAT 120	Elementary Statistics	3	M1 902	GECC
MAT 125	Discrete Structures	3	M1 905	GECC
	Discrete Structures	3	CS 915	Majors
MAT 131	Calculus I	5	M1 900-1	GECC
	Calculus I	5	MTH 901	Majors
MAT 201	Calculus II	5	M1 900-2	GECC
	Calculus II	5	MTH 902	Majors
MAT 202	Calculus III	3	M1 900-3	GECC
	Calculus III	3	MTH 903	Majors
MAT 205	Differential Equations	3	MTH 912	Majors
MAT 209	Math for Elementary Teachers	3	M1 903	GECC
MAT 221	Introduction to Linear Algebra	3	MTH 911	Majors
MAT 282	Statistics	3	M1 902	GECC
MUS 105	Music Appreciation	3	F1 900	GECC
MUS 225	Music History/Literature	3	F1 901	GECC
PHL 111	Ethics and Moral Problems	3	H4 904	GECC
PHL 121	Introduction to Logic	3	H4 906	GECC
PHL 131	Introduction to Philosophy	3	H4 900	GECC
PHL 200	Non-Western Philosophy	3	H4 903N	GECC
PHL 260	World Religions	3	H5 904N	GECC
PHL 265	Introduction to Philosophy of Religion	3	H4 905	GECC
PHS 101	Environmental Technology (must also take PHS 111)	3	LP 900	GECC
PHS 102	Astronomy	3	P1 906	GECC

JALC Course	Title	Credits	IAI Code	GECC/ Majors
PHS 103	Earth Science	3	P1 905L	GECC
PHS 105	Physics for Non-Science Majors	3	P1 900	GECC
PHS 107	Weather and Climate	3	P1 905	GECC
PHS 108	Intro to Environmental Chemistry	3	P1 903	GECC
PHS 111	Environmental Technology II (must also take PHS 101)	3	LP 901	GECC
PHS 220	Physical Geology	4	P1 907L	GECC
PHY 121	Technical Physics	3	P1 900L	GECC
PHY 155	College Physics I	5	P1 900L	GECC
PHY 201	Statics	3	EGR 942	Majors
PHY 202	Dynamics	3	EGR 943	Majors
PHY 203	Mechanics of Solids	3	EGR 945	Majors
PHY 205	University Physics I	5	P2 900L	GECC
	University Physics I	5	PHY 911	Majors
PHY 206	University Physics II	5	PHY 912	Majors
PHY 214	Introduction to Circuit Analysis	3	EGR 931	Majors
PHY 224	Electric Circuit Analysis Laboratory	1	EGR 931L	Majors
PSC 131	American Government	3	S5 900	GECC
PSC 211	State and Local Government	3	S5 902	GECC
PSC 212	Introduction to International Relations	3	S5 904N	GECC
PSC 213	World Affairs	3	S5 906N	GECC
PSC 289	Introduction to Comparative Government	3	S5 905	GECC
PSY 132	General Psychology	3	S6 900	GECC
PSY 200	Social Psychology	3	S8 900	GECC
PSY 203	Adolescent Psychology	3	S6 904	GECC
PSY 262	Child Psychology	3	S6 903	GECC
PSY 270	Abnormal Psychology	3	PSY 905	Majors
SCI 210A	Integrated Science I (must also take SCI 210B)	3	LP 900L	GECC
SCI 210B	Integrated Science II (must also take SCI 210A)	3	LP 901L	GECC
SOC 133	Principles of Sociology	3	S7 900	GECC
SOC 215	Diversity in American Life	3	S7 903D	GECC
SOC 263	Marriage and Family	3	S7 902	GECC
SOC 264	Social Problems	3	S7 901	GECC
SPE 115	Speech	3	C2 900	GECC
SPN 202	Intermediate Spanish II	4	H1 900	GECC
THE 113	Theater Appreciation	3	F1 907	GECC
THE 124	Fundamentals of Acting I	3	TA 914	Majors

Career Education

Credit Hour Requirements for Associate in Applied Science Degree

Group	AAS Credit Hours
Group I: Communications	6
Group II: Humanities and Fine Arts, Social and Behavioral Sciences, Physical and Life Sciences	6
Group III: Mathematics	3
Group IV: Career Major Requirements	45-57
Minimum-Maximum Hours	62-72

The Associate in Applied Science General Degree Requirements Worksheet can be viewed at http://www.jalc.edu/catalog/curriculum_guides/associateinappliedsciencedegree.pdf. See your specific AAS degree for Group IV: Career Major Requirements.

Summary of Career Education Programs

These curricula prepare students for careers in occupations related to business, education, health, industry, office technology, or public service. The curricula are developed with the assistance of advisory committees representing business and industry and on the basis of survey information identifying area manpower needs. Both certificate and degree programs are offered. Most certificate programs require one year of study; degree programs require two. Note: Due to their specialized technical nature, some courses are offered each semester and some are not; students beginning in the spring semester may not be able to carry a full load of courses.

The overall objective of career-oriented education is to contribute to the scientific, technical, industrial, business, and economic welfare of southern Illinois through provision of low-cost, current, college-level technical training geared to the citizens of the College district.

The career curricula are technical in nature and lie in the post-high school area. They differ in content

and purpose not only from those of the trade school but also from those of the engineering college. All have in common the following purposes and characteristics:

The purpose is to prepare students for employment in high-skill career fields.

1. There are hands-on learning experiences provided for the student to gain prospective in relation to their future occupation.
2. Methods of instruction are relatively direct with a strong emphasis on learning specific skills. Ordinarily, a high proportion of the work is done during the hours of instruction. Individualized instructional materials provide opportunities for home study and independent progress. Many curricula articulate to baccalaureate degree-granting institutions, and many individual courses are transferable. A majority of curricula have programs of study with well-defined entry and exit points.

Career Education Advisory Committees

Training people for employment in career and technical education fields is a task that should be shared by the College and the community. To provide quality programs and competent graduates, the College must understand the needs of area businesses and industries. It is important that a two-way system of communication among the College and the community be maintained to meet the educational and training needs of the College district.

Local advisory committees perform a significant function because they represent not only secondary education but also industries and businesses that are respected and recognized within the area served by the College. The feedback from advisory committees enables the College to develop or modify programs of career education to reflect current needs of the community. Each committee assists the College in determining industry needs, developing curricula, establishing work experiences, identifying equipment and facility needs, and assessing program objectives and content. College staff carefully consider all committee

recommendations because they guide program enhancement to ensure graduates are ready to enter a skilled workforce.

The public can have confidence in these programs because the experiences and counsel of responsible citizens are solicited and acted upon by the College.

These committees are comprised of community and business representatives plus the chairperson of each program's advisory committee.

Advisory Committees (Board Policy 3220)

General Advisory Committee

The General Advisory Committee for Career Education is composed of representatives of business, industry, and labor in a variety of occupational areas in the College district. The members are appointed by the president upon recommendation of the dean for academic affairs. The length of membership is three (3) years, with one-third of the membership being replaced each year. The committee will meet at least two (2) times per year.

The duties and responsibilities of this committee are:

1. To review and evaluate existing programs.
2. To consider and recommend new programs to the appropriate administrators.
3. To assist in the development of the one-year and five-year annual plan for vocational education.
4. To perform liaison activities between John A. Logan College and citizens of their communities in gathering and disseminating information concerning college programs.

Program Advisory Committee

A program advisory committee is composed of representatives of management and labor in a specific occupational area from the college district. The members are appointed by the president upon

the recommendation of the dean and serve a three-year term.

The duties and responsibilities of this committee are:

1. To meet as necessary to aid in development of programs.
2. To review and respond to a yearly status report from the program coordinator.
3. To review and evaluate the program they represent a minimum of one (1) time every three (3) years.
4. To perform liaison activities between John A. Logan College and citizens of their communities in gathering and disseminating information concerning the college program they represent.

Departments and Programs

Allied Health and Public Service

Associate Degree Nursing

The Associate Degree Nursing Program at John A. Logan College will enable the student to perform safe nursing care, develop effective communication skills, understand the nursing process, and apply scientific principles for clients throughout the life span within the limits set forth by the Illinois Nurse Practice Act. Upon satisfactory completion, students will be eligible to write the NCLEX-RN exam for licensure.

Cosmetology

The purpose of this certificate and two-year program is to provide students thorough training in the arts, skills, and sciences that pertain to the care and treatment of the hair, skin, and nails, and to prepare students to be creative, employ critical thinking, and to treat clients tactfully and judiciously. Upon graduation, students will be able to seek state licensure to practice cosmetology safely and lawfully.

Criminal Justice

Graduates of this two-year program will be able to explain the structure, administration, and role of the criminal justice system in American society. The Criminal Justice Program prepares the student

either for the workforce or for transfer to a university in the field of Criminal Justice or Administration of Justice. Students in this program participate in service-learning projects and have the opportunity for internship.

Dental Assisting

The dental assisting student who successfully completes this one-year certificate program will meet the professional standards required to be clinically proficient, recognize his or her role as an invaluable member of the dental health team, and be sensitive to the dental needs of various communities. Completion of the program allows the student to sit for the Dental Assisting National Board exam and to seek certification.

Diagnostic Cardiac Sonography

This is an eighteen-month, full-time career program that addresses the growing demand for highly trained, well-educated sonographers. The professional level of this health care service requires highly skilled and competent individuals who function as integral members of the health care team. The sonographer must be able to produce and evaluate ultrasound images and related data that are used by physicians to render a medical diagnosis. Diagnostic sonography serves a diverse population in a variety of settings such as hospitals, clinics, and veterinary offices. The curriculum is an extremely active one in which the student is responsible for maintaining academic requirements on campus, as well as participating in an internship at clinical affiliates. A strong math and physics background is suggested.

Early Childhood Education

Graduates of this two-year Early Childhood Education Program will be trained to provide education and care for children in public and private child-care settings. Specifically, graduates will be trained to provide a safe and healthy learning environment, provide experiences to promote physical, intellectual, social-emotional, and language-literacy development, use positive guidance-discipline strategies, establish positive and productive relationships with families, and operate

a program for children that adheres to legal requirements and DCFS regulations.

Emergency Medical Services

The Emergency Medical Service curriculum includes both a certificate and an associate in applied science degree. Both prepare students to sit for the EMT-Paramedic (EMT-P) licensing exam. John A. Logan College offers the EMT-B course to provide students with training to be eligible to apply for the NREMT-B exam and to enter the EMS A.A.S. degree program.

Health Information Technology

This program provides students training in administrative and technical skills necessary to maintain components of health record systems consistent with the medical, administrative, ethical, legal, accreditation, and regulatory requirements of the health care delivery system.

Interpreter Preparation

The goal of this program is to prepare students to function as entry-level interpreters with the capability to analyze their own performances and recognize their own abilities and limitations. Graduates of this two-year program will be capable of interpreting between English and ASL and make appropriate cultural adjustments. They will also have an understanding of the interpreting process, the dynamics that occur among minority-majority cultures, professional ethics and protocol, human interaction, and professional teamwork.

Massage Therapy

This one-year certificate program trains students in therapeutic massage to reduce stress, assist in the injury-recovery process, and improve the overall wellness in the clients they serve. Students receive hands-on training through laboratory practice and experience in the John A. Logan College Massage Therapy Clinic. The College's program provides students with enough contact hours and training to be eligible to apply for the Massage Therapy certification exam through the National

Certification Board for Therapeutic Massage and Bodywork.

Medical Assistant

This certificate program trains students to perform administrative office tasks and clinical procedures primarily in medical offices. Graduates are trained broadly to work under the supervision of a physician with varied duties, depending on the specific needs of the practice. Their work may be of a generalist nature, performing many tasks within the practice, or they may specialize in a particular area (e.g. Claims Analysts, EKG Technician, Laboratory Assistant, Medical Records Clerk, Medical Office Assistant, and Phlebotomist). Graduates are eligible to sit for the National Center for Competency Testing exam.

Medical Laboratory Technology

The Medical Laboratory Technology Program is offered through the Southern Illinois Collegiate Common Market (SICCM). Students are trained to possess the technical skills necessary to perform routine testing in the areas of hematology, serology, coagulation, clinical microbiology, clinical chemistry, blood banking, and urinalysis in clinical laboratories of hospitals, clinics, and physician offices under the supervision of a physician and/or medical technologist.

Nursing Assistant

This eight-week course is designed to train students to be competent in skills necessary to function successfully in a hospital, long-term care facility, or health department. The nursing assistant will provide services related to the comfort and welfare of the resident under direct supervision of a licensed nurse or physician. Topics covered include body mechanics, transfer techniques, basic anatomy and physiology, personal care, vital signs, rehabilitation, special procedures, care of the Alzheimer's patient, death, dying, and post-mortem care.

Occupational Therapy Assistant

This two-year program is offered through the Southern Illinois Collegiate Common Market (SICCM). Occupational therapy assistants are trained to be an integral part of a patient's rehabilitation team. Graduates of this program will possess technical skills needed to provide services to individuals of all ages who have physical, psychological, or developmental disabilities. Occupational therapist assistants serve a diverse population in a variety of settings such as hospitals and clinics, rehabilitation facilities, long-term care facilities, extended care facilities, sheltered workshops, schools and camps, private homes, and community agencies.

Practical Nursing

This certificate program is designed to provide an individual with the knowledge and skills to function as a safe and effective member of the health care team in the role of the practical nurse. Classroom theory, laboratory practice, and clinical experience are included in this three-semester certificate program approved by the Illinois Department of Professional Regulation within the limits set forth by the Illinois Nurse Practice Act. Upon satisfactory completion of the program, the student will be eligible to write the NCLEX-PN exam for licensure.

Surgical Technology

This one-year certificate program is offered through the Southern Illinois Collegiate Common Market (SICCM). Graduates are trained in the theory and application of sterile and aseptic technique. Training combines the knowledge of human anatomy, surgical procedures, and implementation tools and techniques to facilitate a physician's performance of invasive therapeutic and diagnostic procedures.

Applied Technologies

The Applied Technologies Department offers occupational certificates and associate in applied science degrees designed to prepare students to enter the workforce. Many of our programs are accredited and offer workplace experience through

internships. Our labs feature state-of-the-art equipment that students use to complete hands-on projects. Certain Associate in Applied Science (AAS) degrees can be considered as transfer degrees. Articulation Agreements, Two plus Two Agreements and Capstone Options are a few examples that spell out the opportunity for an AAS degree to fit into a four-year bachelor degree program.

Auto Collision Programs

The Auto Collision Repair Program provides students with instruction on the procedures and practices used in automotive body repair and refinishing and instruction on body shop management.

Auto Services Technology

The Automotive Services Technology Program prepares students for employment as line mechanics, diagnostic technicians, and industrial maintenance personnel, as well as shop managers, company technicians, factory representatives, or teachers.

Computer Support and Networking

JALC's Computer Support and Networking degree focuses on the core of computer technologies – how they work at a component level up to the process of enterprise-wide computer networking and imaging. Additional skills in areas of circuit analysis, component level troubleshooting, and electronics repair using soldering techniques gives graduates a variety of sought after technical skills. With an emphasis on troubleshooting throughout the program, out students graduate with the ability to walk into entry level positions as computer specialists, computer support technicians, technical support call-center representatives, and field technicians.

CNC Machinist

The Computer-Aided Machining Program provides the student with a thorough understanding of the basic skills, operations, procedures, and machine tools used in industry. Graduates will find employment as tool room machinists, computer

numerical control (CNC), machine programmers, CNC machine tool operators, model makers, or in maintenance machining. This is a one year certificate program.

Construction Management Technology

The Construction Management Technology Program prepares students for employment in the construction industry as a project managers, project coordinators, superintendents, cost engineers, field engineers, estimators, schedulers, office engineers, or safety inspectors. Upon graduation, students may continue their education at SIUC to earn a bachelor's degree with an emphasis in construction management.

Electronics

The Electronics Program provides a thorough understanding of DC-AC fundamentals, solid-state electronics, digital electronics, microprocessor operations, and industrial electronics. Completers of the program will be able to assume an entry-level position in the electronics industry. Students who wish to continue their education will be eligible for articulated programs with the SIUC College of Engineering and Technology, the College of Applied Science and Arts, the College of Education, and with some programs at Southeast Missouri State University and Murray State University.

Graphics Design

The Graphics Design Program will prepare graduates to enter the profession of Graphic Design in print shops, magazine companies, newspaper companies, television stations, and other related industries. The needs for each company vary, but graphic designers' responsibilities may include the creation of graphics, photography, animation, page setup, layout, logo design, and web page design. The program is geared toward students desiring a career in graphics design, dislocated workers, and incumbent workers desiring to upgrade their existing skills as well as students with interest in artistic expression.

Heating and Air Conditioning

The Heating and Air Conditioning Program assists students to develop entry-level workplace readiness skills as applied in the area of heating and air conditioning services. Students can expect to learn how to meet industry standards for technicians, including sheet metal layout skills, and to become proficient in refrigeration cycles and systems, heating theory and systems, and electricity and its uses in industry.

Industrial Maintenance/PLC Systems

The Industrial Maintenance Program provides students with an understanding of DC-AC fundamentals, solid state electronics, and industrial electronics applications. Graduates of this program will be qualified for an entry-level position in any industrial setting as industrial electronics maintenance specialists.

Welding

Manual welders, especially those with a wide variety of skills, will increasingly be needed for sophisticated fabrication tasks and repair work that does not lend itself to automation. Many of the job openings for welders will result from the need to replace experienced workers. The aging of the nation's infrastructure, which means more products needing repair or replacement, will also provide opportunities.

Business Education

The Business Department provides students with knowledge and skills to compete for entry-level jobs in the business world. The program also prepares business students for job promotions, career advancements, and lifelong learning experiences in the business working environment and for transfer to four-year institutions.

Accounting

The Accounting Degree, Accounting Certificate and the Bookkeeper/Clerical Certificate prepares students for immediate entry into a small business environment or the accounting department of a

larger company. Students will learn the accounting process, the payroll process, and become proficient with accounting information on the computer.

- ACC 100 Business Accounting
- ACC 105 Payroll Accounting
- ACC 200 Financial Accounting I
- ACC 201 Financial Accounting II
- ACC 202 Managerial Accounting
- ACC 218 Tax Accounting
- ACC 225 Integrated Accounting on Computers

Business

This degree provides the first two years of any four-year degree in business:

- Accounting
- Business Administration
- Economics
- Finance
- Marketing
- Management

Business Management

The Business Management Certificate will provide the student with a great entry-level foundation for any type of general business, company or manufacturing position. This degree is a foundation for pursuing a four-year degree at a university level.

Business Teacher Education Program

This curriculum guide outlines a recommended or suggested first two years for individuals interested in pursuing a baccalaureate degree in this discipline or possibly one closely related. The General Education component in this recommended guide meets the guidelines established by the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC). With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-V (General Education Component; GECC-IAI) of the curriculum guide (see the Associate in Science general degree requirements worksheet in the John A. Logan College Catalog).

Computer Forensics

The Computer Forensics AAS Degree program and Networking Certificate will focus on the principles and techniques used to identify, search, seize and analyze digital media and to conduct cyber investigations against criminal and terrorist activity. This program will include instruction in computer boot processes and drives, jumper setting, file access and reconstruction, hacking, network systems, cryptography, programming, investigative techniques, forensic imagery, web-based investigation methods, cyber-terrorism, and applicable laws and administrative procedures.

The AAS degree will provide students with the knowledge, skills, training and resources to pursue employment in computer and network security and/or information assurance in the following careers:

- law enforcement
- national defense
- large corporations
- banking
- legal offices

Possible job titles are:

- Digital Forensics Examiner
- Malware Media Forensic Analyst
- Forensic Auditor
- IT Digital Forensics Analyst
- Disaster Recovery Specialist
- Computer Security Specialist
- Computer Security Coordinator

Computer Information Systems

The Computer Information Systems programs give students a thorough understanding of how computers work and provide students with the skills that are in demand in today's business world. Students have the opportunity to specialize in several areas including:

- Computer Applications
- Office Environment Applications
- Web Page Development
- Network Design and Administration
- Computer Hardware Troubleshooting

Program Options:

- Computer Information Systems (Certificate)
- Computer Information Systems (AAS)
- Computer Support and Networking (Certificate)

Medical Billing & Coding

This program prepares individuals to work as medical coders for doctors' offices, group practices, clinics, and some legal practices specializing in personal injury cases. It also helps individuals prepare for the Certified Professional Coder (CPC®) exam sponsored by the American Academy of Professional Coders. Major employers include health care offices and clinics, large legal firms specializing in personal injury cases, health care insurance companies, government agencies responsible for Medicaid and Medicare disbursements, and others.

Office Technology

The Office Technology programs at John A. Logan College prepare graduates to work in professional office environments.

The two-year Associate in Applied Science degree is available for the following programs:

- Administrative Assistant. This program is designed to provide training necessary to fill administrative assistant positions in legal, medical, and other professional offices.
- Medical Administrative Assistant. This program offers content in administrative assistant courses in addition to courses focusing specifically on a medical environment including medical office procedures, medical terminology, CPR, and experience in using common medical practice management software.

Workforce Development & Community Education Adult Basic/Secondary Education & Literacy

Adult Basic Education (ABE) Program

Students who have not completed high school and wish to improve their skills in mathematics and reading may enroll in the Adult Basic Education (ABE) program. (This program is for students who have limited skills but are not prepared to review for the GED examination.) Classes are offered at the College and in various communities for adults 16 years of age or older. Interested persons may obtain information regarding registration, class meeting times, and dates by contacting the Director of Adult Basic Education.

Adult Secondary Education (ASE) Program

The College offers high school-level courses to students between the ages of 16 and 21 who have dropped out of high school, are at risk of being dropped from high school, or who are behind in credits for graduation. Students continue working toward their high school diploma. Courses are offered on the College campus for day, evening, and summer sessions. In addition to academics, students may be provided individual and group counseling sessions to address issues that stand in the way of academic success. Students interested in obtaining more information regarding registration may call the Director of Adult Secondary Education.

Early School Leavers Program

The Early School Leavers Program offers an opportunity for students, ages 16–21 and not currently attending traditional high school, to increase job attainment and/or career advancement. Through individualized instruction and cooperative education, students will develop career awareness, explore individual careers, and set transitional education goals.

General Educational Development (GED) Classes

Free GED classes are offered at the College and in various communities for adults 16 years of age or older who were unable to complete their formal high school studies. Instruction in English, mathematics, social studies, science, and Illinois and U.S. Constitutions is provided to assist students in acquiring the knowledge and skills necessary to pass the GED exam. Interested persons may obtain information regarding registration, class meeting times, and dates by contacting the Director of Adult Basic Education.

The Literacy Program

The Literacy Program is an adult reading improvement program. It is a free program available throughout the year for students age 16 or older who are out of school. Volunteers are recruited and trained to tutor students enrolled in adult basic education or in a one-on-one situation. Tutoring is conducted on campus and in communities throughout the College district. Entry to the program for both learners and tutors can be arranged by calling the Director of Literacy.

Center for Business and Industry

A variety of customized courses, seminars, workshops, and conferences is available to southern Illinois businesses through John A. Logan College's Center for Business and Industry. The training is offered on site or at the campus to new or existing businesses in order to help employees become more productive. Representative courses of instruction include office procedures, supervisory skills, stress reduction, computer software programs, blueprint reading, occupational health and safety, receptionist training, and many more.

The courses of the Center for Business and Industry are designed to serve the unique needs of the business and industrial communities for short-term training and non-traditional programs. All instruction is offered at cost to area businesses. The instruction is carried out by John A. Logan College instructors or through instructors contracted by the College.

Procurement Technical Assistance Center

Since its outset in 1985, the John A. Logan College Procurement Technical Assistance Center (PTAC) has provided government contracting assistance to southern Illinois firms, resulting in the attainment of over \$900 million in state and federal government contracts.

The PTAC helps familiarize firms with the government procurement process and provides them the specific marketing and technical assistance required to do business with the government or with government prime contractors.

The PTAC is provided through a partnership with the Department of Defense's (DoD) Defense Logistics Agency (DLA), the Illinois Department of Commerce and Economic Opportunity, the U.S. Small Business Administration's Small Business Development Center, and John A. Logan College as a service to Illinois small businesses.

The Procurement Technical Assistance Center is located in the Center for Business and Industry at John A. Logan College, Office Suite H202.

Sustainability Center

The Sustainability Center at JALC was established to help promote sustainable practices in campus departments, to educate students about sustainability issues, to encourage faculty to integrate sustainability into the curriculum, and to serve as a source of "green" information for the community at large. The JALC Sustainability Center is located in the Workforce Development and Construction Management Building, H-205.

John A. Logan College is a member of the Illinois Green Economy Network (IGEN), a partnership of community colleges that includes all 48 community colleges in Illinois. This Network brings community colleges together to expand employment opportunities, improve human and environmental health, foster community engagement, and accelerate market competitiveness to drive Illinois' emerging green economy. The Center is also a

member of the Association for the Advancement of Sustainability in Higher Education (AASHE).

Continuing Education Courses

The Office of Continuing Education makes available a comprehensive program of educational activities that are especially designed to meet the needs of citizens. Enrollment in these classes does not require formal admission to the College. Included in the program are, non-transferable credit courses for students needing to obtain or retain employment in the workforce, and non-credit public service courses, public service activities (such as workshops, conferences, and seminars), and other community service activities as needed. Continuing Education Units (CEU's) and Continuing Professional Development Units (CPDU's) are offered for many professions.

Classes are offered in the following areas: occupational classes, real estate, photography, computers, general education, firearms, health care, classes for children, physical education, dance, pet care, homemaking, music, and arts and crafts.

Public Service Courses

Many courses of a hobby, recreational, or leisure-time nature are not eligible for state reimbursement and thus can only be offered as a public service by the College. A flat fee, depending on the course, is charged for enrolling in any of these courses.

The courses carry no credit and are not applicable to any certificate but may be repeated by the student as many times as he or she wishes on a priority basis.

For a current list of Continuing Education classes, visit www.jalc.edu/cont_ed/.

Workforce Investment Act (WIA)

A center has been established on the campus of John A. Logan College to provide WIA Services. Programs offered through WIA pay tuition, fees, book, and supply costs for training in one-year certificate programs, two-year degree programs, or customized training programs.

Degree Worksheets and Program Guides

All degree worksheets and program guides are listed on the Academics website. Click the link to view the most updated guides [Academic Program Guides](#).

ART –ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

Transfer Curriculum 000AA0086
Associate in Arts: 63 Hours Minimum
Major Code: 1.1 500701A

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ ART 220

_____ ART 221

_____ Humanities Elective _____

IAI Humanities Electives:

Foreign Language.....FRE 202, GER 202, SPN 202

History.....HIS 101, 102, 213

Literature.....LIT 235, 264, 280, 281, 284, 295

Philosophy.....PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 or Social Science Elective _____

_____ SOC 133 or Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

AnthropologyANT 111, 202, 216, 240

EconomicsECO 201, 202

GeographyGEO 112

HistoryHIS 103, 104, 201, 202

Political SciencePSC 131, 211, 212, 213, 289

PsychologyPSY 132, 200, 203, 262

SociologySOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

IAI Life Science Electives:

BiologyBIO 100, 101, 105, 110, 115, 120, 225

InterdisciplinaryPHS 101 with PHS 111

Physical Geo.....GEO 215

IAI Physical Science Electives:

ChemistryCHM 141, 151

InterdisciplinaryPHS 101 with PHS 111

Physical SciencePHS 102,103,105,107,108, 220

PhysicsPHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ ART 101

_____ ART 102

_____ ART 180

_____ ART 256

_____ ART 223 or Elective _____

_____ Foreign Language I or Elective _____

_____ Foreign Language II or Elective _____

_____ Elective _____

_____ Elective _____

IAI AND DEGREE INFORMATION: This guide follow the recommendations for the IAI Art Major panel.

SIUC TRANSFER INFORMATION: For the non-BFA major tracks, ART 220, 221, and 223 are required. In addition, completion of the two courses in International/Global Studies is required. For Art Studio and History options in Liberal Arts, ART 220 and 223 will satisfy this requirement. Two semesters of the same foreign language is also required (French or German are recommended). Credit applicable toward the studio course requirements include; ART 250, 255, and 260.

SIUE TRANSFER INFORMATION: For the Art History option, ART 220, 221, and two semesters of the same foreign language are required. For the Art Studio option, ART 101, 102, 180, 220, 221, 299i, 250, 260, and 296 are applicable to satisfy degree requirements. PHL 121 is recommended.

EIU TRANSFER INFORMATION: Studio Art is offered with a 2-D or 3-D option. The recommendations are the same for both options: ART 101, 102, 180, 220, 221, 256, 260, and 295. ART 250 and ART 255 or GRD 110 will satisfy the two and three dimensional emphasis requirements. Two semesters of the same foreign language are also required.

ISU TRANSFER INFORMATION: Art 220 and 221 will satisfy core requirements, and ART 255 and 260 will satisfy the drawing and painting options. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement.

ART EDUCATION-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

Transfer Curriculum 000AA0086
Associate in Arts: 63 Hours Minimum
Major Code: 1.1 131302A

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ ART 220

_____ ART 221

_____ Humanities Elective _____

IAI Humanities Electives:

Foreign Language.....FRE 202, GER 202, SPN 202

History.....HIS 101, 102, 213

Literature.....LIT 235, 264, 280, 281, 284, 295

Philosophy.....PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132

_____ SOC 133

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

AnthropologyANT 111, 202, 216, 240

EconomicsECO 201, 202

GeographyGEO 112

HistoryHIS 103, 104, 201, 202

Political SciencePSC 131, 211, 212, 213, 289

PsychologyPSY 132, 200, 203, 262

SociologySOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Physical Science Elective _____

_____ Life Science Elective _____

IAI Life Science Electives:

BiologyBIO 100, 101, 105, 110, 115, 120, 225

InterdisciplinaryPHS 101 with PHS 111

Physical Geo.....GEO 215

IAI Physical Science Electives:

ChemistryCHM 141, 151

InterdisciplinaryPHS 101 with PHS 111

Physical SciencePHS 102,103,105,107,108, 220

PhysicsPHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ ART 101

_____ ART 102

_____ ART 180

_____ ART 256

_____ EDC 202 or Elective _____

_____ EDC 203 or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

IAI MAJOR AND PROGRAM INFORMATION: This guide includes coursework to meet IAI Major Panel recommendations. Consult with your Academic Advisor and transfer institution regarding requirements for a portfolio review prior to transfer. Studio courses should be selected from at least two media in consultation with an Art Advisor. Studio Course options include: ART 165, 255, 205, 260, 250, 290, and/or 299i.

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program, qualifying scores on the TAP, ACT plus writing, or SAT must be submitted. Students must earn a grade of "C" or higher in all courses for an endorsement and required in the major. Students must also meet the minimum grade point average required for consideration into the TEP (typically a minimum of 2.5, but may be higher depending on the institution or program option selected).

[Click here for helpful tips for applying to a Teacher Education Program](#)

SIUC TRANSFER INFORMATION: ART 250 and 260 are recommended studio courses. Students should either take ART 220 and 223 or select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement.

SIUE TRANSFER INFORMATION: ART 202, 299i, 250, 260 and 296, as well as EDC 200 and 208 are required. PHL 121 is recommended.

EIU TRANSFER INFORMATION: PSC 131 is required. EDC 203, ART 255, ART 260, ART 295, and GRD 110 are also required.

ISU TRANSFER INFORMATION: ART 255 and ART 260 are required. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement.

**ART STUDIO-ASSOCIATE IN FINE ARTS
Pre-Baccalaureate Program Guide**

Transfer Curriculum 00AFA2015
Associate in Fine Arts: 63 Hours Minimum
Major Code: 1.1 500701

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ ART 220

_____ ART 221

_____ Humanities Elective _____

IAI Humanities Electives:

- Foreign Language.....FRE 202, GER 202, SPN 202
- History.....HIS 101, 102, 213
- Literature.....LIT 235, 264, 280, 281, 284, 295
- Philosophy.....PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 113 or Math Elective _____

IAI Mathematics Electives:

- MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 or SOC 133

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

- AnthropologyANT 111, 202, 216, 240
- EconomicsECO 201, 202
- GeographyGEO 112
- HistoryHIS 103, 104, 201, 202
- Political SciencePSC 131, 211, 212, 213, 289
- PsychologyPSY 132, 200, 203, 262
- SociologySOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

IAI Life Science Electives:

- BiologyBIO 100, 101, 105, 110, 115, 120, 225
- InterdisciplinaryPHS 101 with PHS 111
- Physical Geo.....GEO 215

IAI Physical Science Electives:

- ChemistryCHM 141, 151
- InterdisciplinaryPHS 101 with PHS 111
- Physical SciencePHS 102,103,105,107,108, 220
- PhysicsPHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ ART 101

_____ ART 102

_____ ART 180

_____ ART 255

_____ ART 256

_____ ART 293

_____ ART Elective* _____

_____ ART Elective* _____

_____ ART Elective* _____

_____ ART Elective* _____

MAJOR INFORMATION: This guide follows the IAI Art Studio recommendations. Art Electives must be studio courses selected from at least two media, in consultation with the Art Advisor. Art Electives include: ART 165, 250, 260, 290, 291, 292, and 296.

ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

- Art ART 111, 220, 221, 291
- Literature LIT 275
- Music MUS 105, 225
- Theater THE 113

IAI Humanities Electives:

- Foreign Language.....FRE 202, GER 202, SPN 202
- History.....HIS 101, 102, 213
- Literature..... LIT 235,264,280,281,284,295
- Philosophy.....PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

- MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 209, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

- Anthropology ANT 111, 202, 216, 240
- Economics..... ECO 201, 202
- Geography GEO 112
- History HIS 103, 104, 201, 202
- Political Science PSC 131, 211, 212, 213, 289
- Psychology PSY 132, 200, 203, 262
- Sociology..... SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credits and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AA0086
 Associate in Arts: 62 Hours Minimum
 Major Code: 1.1 240101A

IAI Life Science Electives:

- BiologyBIO 100, 101, 105, 110, 115, 120, 225
- InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B
- Physical Geography.....GEO 215

IAI Physical Science Electives:

- Chemistry.....CHM 141, 151
- InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B
- Physical SciencePHS 102,103,105,107,108, 220
- PhysicsPHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to certain majors.

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

GENERAL ELECTIVES: Electives may include all courses with the following prefixes, as well as specific courses listed below:

- AFS, AMS, ANT, APE*, ART, BIO, CHM, CPS, EDC, EGR, FRE, GEO, GER, HIS, HTH, HUM, JRN, LIT, MUS, PED*, PEDE, PHL, PHS, PSC, PSY, SCI, SOC, SOCW, SPE, SPN, THE, and VOL

- ACC200, 201, 202
- ALH106, 107
- BUS110, 121, 222
- CIS207, 240
- CRJ103, 105, 218, 223
- ECE272, 280, 160
- ECO201, 202
- EDC200, 202, 203, 208, 210, 211, 212
- ENG101, 102, 103, 113
- IND199
- IPP141, 142
- ITD200, 205
- LIN101, 102
- MAT108, 109, 111, 113, 116, 117, 120, 125, 131, 201, 202, 205, 208, 209, 221, 282
- ORI100
- PHY121 , 155, 156, 201, 202, 203, 205, 206, 214, 224
- PNE100

*No more than four (4) credit hours of APE or PED courses may be used as general electives.

ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements.** An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

- _____ ENG 101 or ENG 113 (C grade or higher)
- _____ ENG 102 (C grade or higher)
- _____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

- _____ Fine Arts Elective _____
- _____ Humanities Elective _____

IAI Fine Arts Electives:

- Art ART 111, 220, 221, 291
- Literature LIT 275
- Music MUS 105, 225
- Theater THE 113

IAI Humanities Electives:

- Foreign Language.....FRE 202, GER 202, SPN 202
- History.....HIS 101, 102, 213
- Literature..... LIT 235,264,280,281,284,295
- Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

- _____ Mathematics Elective _____

IAI Mathematics Electives: MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 209, MAT 282

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

- _____ Social Science Elective _____
- _____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

- Anthropology ANT 111, 202, 216, 240
- Economics..... ECO 201, 202
- Geography GEO 112
- History HIS 103, 104, 201, 202
- Political Science PSC 131, 211, 212, 213, 289
- Psychology PSY 132, 200, 203, 262
- Sociology..... SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credits and include a lab component.

- _____ Life Science Elective _____
- _____ Physical Science Elective _____

Transfer Curriculum 000AS0087

Associate in Science: 62 Hours Minimum

Major Code: 1.1 300101B Effective Fall 2016

IAI Life Science Electives:

- BiologyBIO 100, 101, 105, 110, 115, 120, 225
- InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B
- Physical Geography....GEO 215

IAI Physical Science Electives:

- Chemistry.....CHM 141, 151
- InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B
- Physical SciencePHS 102,103,105,107,108, 220
- PhysicsPHY 121, 155, 205

ADDITIONAL ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS (Courses should be applicable to the desired major)

- _____ Mathematics Elective (1 course) _____

- _____ Physical or Life Science Elective (1 course) _____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to certain majors.

- | | |
|----------------------|----------------------|
| _____ Elective _____ | _____ Elective _____ |
| _____ Elective _____ | _____ Elective _____ |
| _____ Elective _____ | _____ Elective _____ |
| _____ Elective _____ | _____ Elective _____ |

GENERAL ELECTIVES: Electives may include all courses with the following prefixes, as well as specific courses listed below:

AFS, AMS, ANT, ART, BIO, CHM, CPS, EDC, EGR, FRE, GEO, GER, HIS, HTH, HUM, JRN, LIT, MUS, PED*, PEDE, PHL, PHS, PSC, PSY, SCI, SOC, SOCW, SPE, SPN, THE, and VOL

- ACC200, 201, 202
- ALH106, 107
- BUS110, 121, 222
- CIS207, 240
- CRJ103, 105, 218, 223
- ECE272, 280, 160
- ECO201, 202
- EDC200, 202, 203, 208, 210, 211, 212
- ENG101, 102, 103, 113
- IND199
- IPP141, 142
- ITD200, 205
- LIN101, 102
- MAT108, 109, 111, 113, 116, 117, 120, 125, 131, 201, 202, 205, 208, 209, 221, 282
- ORI100
- PHY121, 155, 156, 201, 202, 203, 205, 206, 214, 224
- PNE100

*No more than four (4) credit hours of PED courses may be used as general electives.

BIOLOGICAL SCIENCE-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (9 Hours)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (6 Hours)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective (3) _____

_____ PHL 121 (3) or Humanities Elective (3) _____

IAI Fine Arts Electives:

ArtART 111, 220, 221, 291

Literature.....LIT 275

Music.....MUS 105, 225

Theater.....THE 113

IAI Humanities Electives:

Foreign Language.....FRE 202, GER 202, SPN 202

History.....HIS 101, 102, 213

Literature.....LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy.....PHL 111, 121, 131, 200, 260

IAI Mathematics (3-5 Hours)

_____ MAT 282 (3) or MAT 131 (5) or MAT Elective _____

IAI Mathematics Electives:

MAT 113, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (6 Hours)

At least two different disciplines (course prefixes) must be represented.

_____ ECO 201 or Social Science Elective (3) _____

_____ PSC 212 or GEO 112 or Social Science Elective (3) _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (7-8 Hours)

One course must include a lab component.

_____ BIO 101 (4) or Life Science Elective

_____ CHM 151 (5) or Physical Science Elective

Transfer Curriculum 000AS0087

Associate in Science: 64 Hours

Major Code: 1.1 260101B

IAI Life Science Electives:

BiologyBIO 100, 101, 105, 110, 115, 120, 225

InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Geography....GEO 215

IAI Physical Science Electives:

Chemistry.....CHM 141, 151

InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B

Physical SciencePHS 102,103,105,107,108, 220

PhysicsPHY 121, 155, 205

ADDITIONAL ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS:

(COURSES SHOULD BE APPLICABLE TO DESIRED MAJOR)

BIO 102 (4) _____

MAT 282 (3) or MAT Elective _____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 64 hours** for the degree. Students should select elective hours that will allow them to complete this 64 hour requirement. Select courses from this listing with consideration to the Articulation Notes)

_____ CHM 152 (5)

_____ CHM 201 (5) or General Elective _____

_____ CHM 202 (5) or General Elective _____

_____ PHY 155 (5) or General Elective _____

_____ PHY 156 (5) or General Elective _____

_____ Foreign Language Elective (8) _____

ARTICULATION NOTES:

Consult with your transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major.

Biological Sciences program

When reference is made to Biology or Biological Sciences, a general degree program may be appropriate or a more specialized biology track may best fit one's career interests. Plant Biology or Botany, Zoology, Biomedical Sciences Pre-professional track for medicine, dentistry, podiatry, chiropractic, ecology and genetics are a few that are viewed as biology degree programs.

IAI Biology Major Panel: Take BIO 101,102, CHM 152, 201 and 202 as Biological Sciences core courses. CHM 151 and MAT 131 are recommended.

SIUC: In addition to a Biology Education emphasis, the Biological Sciences program offers options in Biomedical Sciences as pre-professional preparation for medicine, dentistry, optometry, physician assistants pharmacy, podiatry or chiropractic) and Ecology. Other Biology options include Microbiology, Plant Biology or Botany, Physiology and Zoology.

For both specializations (Biomedical and Ecology), take a one year or two course sequence in a Foreign Language or CIS 207 or CPS 206 to meet the Supportive Skills requirement for the College of Science. Take BIO 101, 102, CHM 151, 152, 201 and 202. Take MAT 108 and 109 or 111 or 131. Take MAT 282. Take PHY 155 and 156.

EIU: For the Biological Sciences program option, take BIO 101, 102 and 205. Take CHM 151, 152 and 201. Take PHY 155 and 156. Take MAT 131 and 282. Take one year/two course sequence in a foreign language. The A.S. degree waives the culturally diverse course requirement for the BS degree.

For the Environmental Biology program option, take ECO 201. The PHY sequence is not required for this option. MAT 282 is not required.

ISU: Take BIO 101 and 102. In addition, students must complete one of the following sequences: General Biology; Conservation Biology; Physiology; Neuroscience and Behavior; Plant Biology or Zoology.

--For General Biology, take BIO 240. Take CHM 151, 152 and 201. Take MAT 116 and 117 or MAT 131 and 201. Take PHY 121 or 155 or 205. Note MAT 120 (a match to ECO 138) is an acceptable substitute for either MAT 117 or MAT 201.

--For Conservation Biology, take BIO 240. Required elective courses must include one from each of three groupings. Applicable courses include BIO 226 as a match to BSC 260 9 (Conceptual group) and BIO 115 as a match to BSC 292 (Zoology Taxon group). Take CHM 151, 152 and 201. Take MAT 116, 117 or MAT 131 and 201. Note MAT 120 (ECO 138) is an acceptable substitute for MAT 117 or MAT 201. Take PHY 121 or 155 or 201.

--For Physiology, Neuroscience and Behavior Biology, take BIO 115 and BIO 226. Take CHM 151, 152 and 201. Take MAT 116, 117 or 131 and 201. Note, MAT 120 (ECO 138) is an acceptable substitute for either MAT 117 or 201. Take PHY 121 or 155 or 201.

--For Plant Biology, Take BIO 240 or BIO 226. Take BIO 275. Take CHM 151, 152 and 201. Take MAT 116 and 117 or MAT 131 and 201. Note, MAT 120 (ECO 138) is an approved substitute for MAT 117 or 201. Take PHY 121 or 155 or 201.

--For Zoology, take BIO 240 and BIO 115. Take CHM 151, 152 and 201. Take MAT 116 and 117 or MAT 131 and 201. Note MAT 120 (ECO 138) is an approved substitute for MAT 117 or 201. Take PHY 121 or 155 or 201.

To meet a general graduation requirement, take GEO 112 or PSC 212 to satisfy an AMALI (former Global Studies) course requirement.

All B.S. degrees require a STM course selected from BIO 226, 240, 275, CHM 142, 152, 201, PHS 107, MAT 117, 201, 202, 125, 221, BUS 121, PHY 156 or 206.

All degrees offered through the College of Liberal Arts and Sciences requires completion of a two course sequence or one year of a foreign language. Three years of the same language in high school with "C" or higher grades will provide a waiver for the one year/two course requirement.

SIUE: Take BIO 101 and 102. Take CHM 151 and 152 and CHM 201 and 202 as core requirements for Biological Sciences.

-- SIUE offers B.A. and B.S. degree options in Ecology/Evolution/Environment, Genetics and Cellular Biology, Integrative Biology, Medical Sciences and Medical Technology. Beyond the core, each option recommends PHL 121. The Ecology/Evolution/Environment option, the Genetics and Cellular Biology option, the Integrative Biology option and the Medical Science option all require MAT 131, PHY 155, 156 or PHY 205, 206 and MAT 282. The Medical Technology option requires MAT 109, PHY 155 and 156 or PHY 205 and 206 and MAT 120 or 282

BUSINESS- ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hours Minimum
Major Code: 1.1 520201A

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communication: (3 courses)

_____ ENG 101 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 116 (3)

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ ECO 201 (3)

_____ ECO 202 (3)

_____ PSY 132 or SOC 133 or Social Science Elective (3)

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics..... ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology..... SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.) Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ ACC 200 (3)

_____ ACC 201 (3)

_____ ACC 202 (3)

_____ BUS 121 (3)

_____ BUS 222 (3)

_____ CIS 207 or Elective (3)

_____ BUS 235 or Elective (3) _____

_____ MAT 117 (4) or Electives _____

_____ General Electives (3)

ARTICULATION NOTES: Consult with your Academic Advisor and/or your transfer institution to assess if any courses in your major field require a grade or "C" or higher to satisfy degree requirements or if there is a minimum grade point average to enroll in a Business degree program.

This guide follows the recommendations established by the IAI Business Major Panel which includes BUS 121 (IAI BUS 901), CIS 207 (BUS 902), ACC 200/201 (BUS 903) and ACC 202 (BUS 904). PHL 111 (IAI H4 904) is strongly recommended as is ECO 201, 202 and BUS 222.

DEGREE INFORMATION: This guide includes course typically required during the first two for majors in Accounting, Business Administration, Business Economics, Finance, Management and Marketing. Completion of the IAI GECC component satisfies the lower division general education requirements required as a general graduation requirement at participating IAI institutions in Illinois.

SIUC TRANSFER INFORMATION: Take ACC 200, 201 and 202. Take MAT 116 and 117. Take BUS 121 (substitute for MGMT 208, FIN 208 or ACCT 208) and BUS 235 (substitute for MGMT 202) and BUS 222. Take ECO 201 and 202.

SIUE TRANSFER INFORMATION: Take MAT 131 (MATH 150) with a C or better grade MAT 131 (MATH 150 will substitute for MAT 108 (MATH 120) and MAT 117 (MS 250). Take ACC 200, 201 and 202. Take ECO 201 and 202. Take CIS 207 or CPS 176. Take BUS 121. Take PHL 121.

EIU TRANSFER INFORMATION: Take MAT 116 (MAT 2120G). Take MAT 117 (MAT 2120G) or PHL 121 (PHL 1900G). Take ECO 201 (ECN 2801G), ECO 202 (ECN 2802G), BUS 222 (BUS 2750) and CIS 207 (BUS 1950).

ISU TRANSFER INFORMATION: Take MAT 117 or MAT 131. Take ECO 201 and 202. Take BUS 110, 121 and 222. Take ACC 200, 201 and 202. As a general graduation requirement, ISU requires an AMALI course (former Global Studies). GEO 112 (GEO 135) or PSC 112 (POL 151) should satisfy this requirement. All B.S. degrees require a SMT course (select one from BIO 226, 240, 275, CHM 142, 152, 201, PHS 107, MAT 117, 201, 202, 125, 221, BUS 121, PHY 156 or 206).

**BUSINESS EDUCATION-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide**

**Transfer Curriculum 000AA0086
Associate in Science: 63 Hours Minimum
Major Code: 1.1 131303A**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 116 or MAT 120 (3)

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ ECO 201

_____ ECO 202

_____ PSY 132

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ ACC 200

_____ ACC 201

_____ ACC 202

_____ BUS 222

_____ BUS 121, 110 or Elective _____

_____ EDC 202 or Elective _____

_____ EDC 203 or Elective _____

_____ CIS 207 or Elective _____

_____ Elective _____

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program, qualifying scores on the TAP, ACT plus writing, or SAT must be submitted. Students must earn a grade of "C" or higher in all courses for an endorsement and required in the major. Students must also meet the minimum grade point average required for consideration into the TEP (typically a minimum of 2.5, but may be higher depending on the institution or program option selected).

SIUC TRANSFER INFORMATION: ACC 200, 201, 202, BUS 121, 222, EDC 202, 203, ECO 201, 202, PSY 132, MAT 113 or 108 and 116 are required. This program is titled Business, Marketing, and Computer Education and is housed in Workforce Education and Development.

EIU TRANSFER INFORMATION: MAT 120, BUS 110, 222, CIS 207, ECO 201, 202, ACC 200, 201, 202, and EDC 203 are required.

ISU TRANSFER INFORMATION: ECO 201, 202, MAT 116 or 111, BUS 110, 121, 222, ACC 200, 201, 202 and EDC 202 are required. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

CHEMISTRY-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term.

The degree requirements as listed do **not** complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 121 (3) or Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 131 (5)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ BIO 101 (4) or Life Science elective

_____ CHM 151(5)

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Geography... GEO 215

Transfer Curriculum 000AS0087

Associate in Science: 62 Hours Minimum-64 hours Max.

Major Code: 1.1 400501B

Additional Associate in Science Degree Requirements:

MAT 201-(5) _____

PHY 205-(5) _____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement.) **Please select courses on this guide in accordance with the transfer requirements for your transfer institution. Please note that not all electives listed are required to complete this degree. Hours must total 62-64 maximum.**

_____ CHM 152 (5) _____ CHM 201(5)

_____ CHM 202 (5)

_____ BIO 102 (4) or Elective _____

_____ MAT 120 (3) or MAT 282 (3) or General Elective _____

_____ Foreign Language or General Electives (8) _____

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major.

IAI CHEMISTRY PANEL INFORMATION: Take CHM 151, 152, 201, 202 to complete the core. MAT 131, MAT 201 and PHY 206 and PHY 206 are recommended.

SIUC TRANSFER INFORMATION: CHM 151, 152, and 201 are required, as is MAT 131, 201 and either MAT 221 or 202 or 205. PHY 205 and 206 are also required. BIO 101/102 will meet the College of Science Biological Sciences requirement. CPS 206 and MAT 282 will meet the Supportive Skills requirement. Students will select a specialization from Biochemistry, Environmental, Forensic or Comprehensive Chemistry options. The American Chemical Society Certification is also available.

SIUE TRANSFER INFORMATION: For the B.S degree option, take CHM 151, 152, 201 and 202. MAT 131, 201 and MAT120 or 282. Take PHY 205 and 206. PHL 121 is recommended. For the B.S. Forensics option, take BIO 101 and 102. PHL 121 is recommended.

* For a B.A. degree, in addition, take a one year/two course sequence in a Foreign Language. For the BA Biochemistry option, take the foreign Language (one year/two course sequence), BIO 101 and 102. PHL 121 is recommended.

EIU TRANSFER INFORMATION: Take CHM 151, 152, 201 and 202. Take PHY 205 and 206. Take MAT 131 and 201. Concentrations or options are available in Biochemistry, American Chemical Society Certification and in Management. For the Management option, additional course requirements include CIS 207, ACC 200, 201 and 202, BUS 121 and 222, ECO 201 and 202.

ISU TRANSFER INFORMATION: For the B.S .degree, take CHM 151, 152, 201 and 202. Take PHY 205 and 206. Take MAT 131 and 201. For the Biochemistry option, in addition, take BIO 101 and 102.

* As a general graduation requirement, all students must complete an AMALI (former Global Studies) course. GEO 112 (GEO 135) or PSC 212 (POL 151) will satisfy this degree requirement.

*All B.S. degrees require a SMT course selected from BIO 226, 240,275, CHM 142, 152 or 201. Take PHS 107, MAT 117, 201, 202, 125, 221, BUS 121, PHY 156 or 206

*All B.A. degrees require successful completion of a FL through the third course or first intermediate level course.

*All degrees offered through the College of Liberal Arts and Sciences requires completion of a two course sequence or one year of a foreign language. Three years of the same language in high school will also meet this requirement.

CHEMISTRY-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term.

The degree requirements as listed do **not** complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 121 (3) or Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 131 (5)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ BIO 101 (4) or Life Science elective

_____ CHM 151(5)

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Geography... GEO 215

Transfer Curriculum 000AS0087

Associate in Science: 62 Hours Minimum-64 hours Max.

Major Code: 1.1 400501B

Additional Associate in Science Degree Requirements:

MAT 201-(5) _____

PHY 205-(5) _____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement.) **Please select courses on this guide in accordance with the transfer requirements for your transfer institution. Please note that not all electives listed are required to complete this degree. Hours must total 62-64 maximum.**

_____ CHM 152 (5) _____ CHM 201(5)

_____ CHM 202 (5)

_____ BIO 102 (4) or Elective _____

_____ MAT 120 (3) or MAT 282 (3) or General Elective _____

_____ Foreign Language or General Electives (8) _____

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major.

IAI CHEMISTRY PANEL INFORMATION: Take CHM 151, 152, 201, 202 to complete the core. MAT 131, MAT 201 and PHY 206 and PHY 206 are recommended.

SIUC TRANSFER INFORMATION: CHM 151, 152, and 201 are required, as is MAT 131, 201 and either MAT 221 or 202 or 205. PHY 205 and 206 are also required. BIO 101/102 will meet the College of Science Biological Sciences requirement. CPS 206 and MAT 282 will meet the Supportive Skills requirement. Students will select a specialization from Biochemistry, Environmental, Forensic or Comprehensive Chemistry options. The American Chemical Society Certification is also available.

SIUE TRANSFER INFORMATION: For the B.S degree option, take CHM 151, 152, 201 and 202. MAT 131, 201 and MAT120 or 282. Take PHY 205 and 206. PHL 121 is recommended. For the B.S. Forensics option, take BIO 101 and 102. PHL 121 is recommended.

* For a B.A. degree, in addition, take a one year/two course sequence in a Foreign Language. For the BA Biochemistry option, take the foreign Language (one year/two course sequence), BIO 101 and 102. PHL 121 is recommended.

EIU TRANSFER INFORMATION: Take CHM 151, 152, 201 and 202. Take PHY 205 and 206. Take MAT 131 and 201. Concentrations or options are available in Biochemistry, American Chemical Society Certification and in Management. For the Management option, additional course requirements include CIS 207, ACC 200, 201 and 202, BUS 121 and 222, ECO 201 and 202.

ISU TRANSFER INFORMATION: For the B.S .degree, take CHM 151, 152, 201 and 202. Take PHY 205 and 206. Take MAT 131 and 201. For the Biochemistry option, in addition, take BIO 101 and 102.

* As a general graduation requirement, all students must complete an AMALI (former Global Studies) course. GEO 112 (GEO 135) or PSC 212 (POL 151) will satisfy this degree requirement.

*All B.S. degrees require a SMT course selected from BIO 226, 240,275, CHM 142, 152 or 201. Take PHS 107, MAT 117, 201, 202, 125, 221, BUS 121, PHY 156 or 206

*All B.A. degrees require successful completion of a FL through the third course or first intermediate level course.

*All degrees offered through the College of Liberal Arts and Sciences requires completion of a two course sequence or one year of a foreign language. Three years of the same language in high school will also meet this requirement.

**COMPUTER SCIENCE-ASSOCIATE IN SCIENCE
BUSINESS APPLICATIONS TRACK
Pre-Baccalaureate Program Guide**

**Transfer Curriculum 000AS0087
Associate in Science: 64 Hours
Major Code: 1.1 110701B**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements**. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 121 or Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291
Literature..... LIT 275
Music..... MUS 105, 225
Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202
History..... HIS 101, 102, 213
Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295
Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 125 (3) or IAI MAT Elective

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ ECO 201 or Social Science Elective _____

_____ ECO 202 or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240
Economics ECO 201, 202
Geography GEO 112
History HIS 103, 104, 201, 202
Political Science PSC 131, 211, 212, 213, 289
Psychology PSY 132, 200, 203, 262
Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses) 7-8 hours

One course must be at least 4 credit hours and include a lab component.

_____ BIO 101 (4) or Life Science Elective _____

_____ PHY 155 (5) or Physical Science Elective _____

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225
Interdisciplinary PHS 101 with PHS 111
Physical Geography. GEO 215

IAI Physical Science Electives:

Chemistry.....CHM 141, 151
InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B
Physical SciencePHS 102,103,105,107,108, 220
PhysicsPHY 121, 155, 205

Additional Associate in Science Degree Requirements:

(Courses should be applicable to desired degree)

PHY 155 (5)

MAT 131 (5)

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.). ***Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ CPS 206 (4) (spring semester course)

_____ CPS 215 (4) (fall semester-even numbers years)

_____ MAT 120 or Elective _____

_____ PHY 156

_____ BIO 105, 110, or Elective _____

_____ Elective _____

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

IAI AND PANEL INFORMATION: CPS 202, 206, 215, ECO 201, 202, MAT 131, PHY 155 and 156 are required to satisfy the IAI Major Panel. JALC also recommends ENG 113, PHL 121, and MAT 120 for the degree.

SIUC TRANSFER INFORMATION: CPS 202, 206, 215, ECO 201, 202, PHL 121, MAT 131, PHY 155 and 156 are required. A grade of "C" or higher is required in all CPS courses. BIO 105 and 110 will satisfy the biological sciences requirement in the College of Science. This track leads to the Bachelor of Arts Degree in Computer Science.

**COMPUTER SCIENCE-ASSOCIATE IN SCIENCE
TRADITIONAL TRACK
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements**. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 121 or Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 131(5)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ ECO 201 (3) or Social Science Elective _____

_____ ECO 202 (3) or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ BIO 101 (4) or Life Science Elective _____

_____ PHY 205 (5)

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography. ..GEO 215

Transfer Curriculum 000AS0087

Associate in Science: 62 HRS

Major Code: 1.1 110701B

IAI Physical Science Electives:

Chemistry.....CHM 141, 151

InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B

Physical SciencePHS 102,103,105,107,108, 220

PhysicsPHY 121, 155, 205

Additional Associate in Science Requirements:

(Courses should be applicable to desired major)

_____ PHY 206 (5) or Physical or Life Science Elective

_____ MAT 201 (5) or MAT 125 (3) or MAT Elective

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ CPS 206-(4) (**spring semester course**)

_____ CPS 202/MAT 125 (3) (**fall semester-odd num. years**) or Elect.

_____ CPS 215 (4) (**fall semester in even numbers years**)

_____ MAT 201 (5) or General Elective _____

_____ MAT 221(3) (**spring sem.-even numbered yrs.**) or Elect. _____

_____ CHM 151 (5) or General Elective _____

_____ CHM 152 (5) or General Elective _____

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

***IAI Computer Science Major Panel:** Take CPS 206 and 215 (Recommendation: take both at same institution). Take CPS 202 or MAT 125. Recommendations include ECO 201, 201, PHY 205 and MAT 131, 117, 116 or 125.

***SIUC:** Take CPS 206, 215 and CPS 202 (or MAT 125). Take MAT 131, 201 and 221. PHL 121 is recommended.

To meet the College of Science Biological Science requirement, take BIO 101 and 102. Take PHY 205 and 206 or CHM 151 and 152 to meet the Physical Science requirement. Take the Supportive Skills requirement at SIUC.

***SIUE:** For the B.S. degree option, take CPS 206 and 215. Take MAT 131 and 201. Take PHL 121. SPE 116 is an approved match to ACS 103. Take PHY 205 and 206 or CHM 151 and 152 to satisfy a Laboratory Science requirement. Take BIO 101 to satisfy an additional Science Lab Elective

-For the B.A. degree option, take CPS 206 and 215. Take MAT 282 (a match to STAT 244) and MAT 131. Take PHL 121. SPE 116 is a match to ACS 103. A two course sequence or one year of a foreign language is also required.

***EIU:** Take CPS 206, 215 and 208. Take MAT 131, 201, 202 and 221. Take MAT 125 or CPS 202. MAT 205 is a match to MAT 3501 and can be used as Computer Science elective credit. Two course sequence or one year of a foreign language is required. Some institutions will accept IPP 141/142 in lieu of a foreign language. Two years of same language in high school with C or better grades allows for an exemption.

***ISU:** Take CPS 206. Take MAT 131 and 201. Take BUS 121-3 as a match to MQM 100. Take CHM 141 and 142 or PHY 205 and 206. Take BIO 101 and 102. All graduates must complete one course that fulfills the AMALI (former Global Studies) requirement. GEO 112 or PSC 212 will satisfy this requirement. All Bachelor of Science degrees require successful completion

of a three credit course from a listing of SMT (Science, Mathematics including Statistics or Technology) courses. Select from BIO 226, 240, 275, CHM 142, 152, 201, PHS 107, MAT 117, 201, 202, 125, 221, BUS 121, PHY 156 or 206. All graduates seeking a degree under the College of Arts and Sciences must successfully complete a two course sequence or one year of a foreign language. ASL 141 and 142 will meet this requirement. Three years of the same language in high school will also satisfy this requirement.

EARLY CHILDHOOD EDUCATION-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ ART 111, MUS 105, or THE 113

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 209

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ HIS 202 or Social Science Elective _____

_____ PSC 131 or Social Science Elective _____

_____ PSY 132, 262 or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (3 courses)

One course must be at least 4 credit hours and include a lab component.

_____ SCI 210A or Life Science Elective _____

_____ SCI 210B or Physical Science Elective _____

_____ Life or Physical Science Elective _____

Transfer Curriculum 000AS0087
Associate in Science: 63 Hours Minimum
Major Code: 1.1 131210B

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ MAT 108

_____ MAT 208

_____ EDC 203 or Elective _____

_____ PEDE 202 or Elective _____

_____ HTH 110 or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program, qualifying scores on the TAP, ACT plus writing, or SAT must be submitted. Students must earn a grade of "C" or higher in all courses for an endorsement and required in the major. Students must also meet the minimum grade point average required for consideration into the TEP (typically a minimum of 2.5, but may be higher depending on the institution or program option selected).

Helpful tips for applying to a Teacher Education Program may be found here: https://www.jalc.edu/files/uploads/global/catalog/pdfs/tips_for_ed_majors.pdf

SIUC TRANSFER INFORMATION: Students are required to take EDC 202, EDC 203, MAT 108, MAT 208, MAT 209, SCI 210A, SCI 210B, HIS 202, PSC 131, HTH 110, PEDE 202, and PSY 132 or PSY 262. Students are also required to take six credits in Humanities to be selected from HIS 213, LIT 280, LIT 232, HIS 101, and/or HIS 102.

SIUE TRANSFER INFORMATION: PHL 121, CIS 207, EDC 200, GEO 112, PSY 262, MUS 105, HTH 110, HIS 201, HIS 202, MAT 208, MAT 209, SCI 210A, and SCI 210B are required. Select one course from LIT 211, 212, 231, 232, 235, 264, 280, 284, or 295 to satisfy the literature requirement.

EIU TRANSFER INFORMATION: CPS 111, EDC 200, EDC 202 or PSY 262, BIO 100 or BIO 101, CHM 151 or PHY 155, and GEO 112 are required. Select one course from LIT 211, 212, 231, 232, 235, 264, 280, 284, or 295 to satisfy the literature requirement.

ISU TRANSFER INFORMATION: EDC 208 or PSY 265 is required. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104,

HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

ECONOMICS-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communication: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ ECO 201

_____ ECO 202

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hours Minimum
Major Code: 1.1 450601B

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

SIUC TRANSFER INFORMATION: Students interested in Business Economics should follow the Business Degree Guide. This guide is for Economics within the College of Liberal Arts. Students should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirements. Two semesters of the same foreign language are also required. IPP 141 and 142 could also be used to satisfy the language requirement.

SIUE TRANSFER INFORMATION: Students are required to take ECO 201, 202, and MAT 108 with a grade of "C" or higher. All Economics majors must declare a minor. Suggested minors include math, business, or other approved minor. Students who plan to earn a B.S. in Economics must complete eight courses in the sciences (life, physical, or social). Two of the courses must be designated as laboratory courses. Students who plan to earn a B.A. in Economics must complete eight courses in fine arts or humanities, including a two semester sequence in the same foreign language.

EIU TRANSFER INFORMATION: ECO 201 and 202 must be completed with a "C" or higher. MAT 116 and MAT 117 are required. Students must complete two years of the same foreign language at the high school level with a "C" or higher, or two semesters of the same language at the college level.

ISU TRANSFER INFORMATION: ECO 201, 202, and MAT 117 are required. ACC 200, 201, and 202 are also required for the Managerial Economics Sequence. Two semesters of the same language are required (three years of the same language in high school with a grade of "C" or higher will satisfy this requirement). IPP 141 and 142 may be used to satisfy the language requirement. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

**ELEMENTARY EDUCATION-
ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ ART 111 or Fine Arts Elective _____

_____ LIT 212, 232, or Humanities Elective _____

_____ MUS 105 or Humanities/Fine Arts Elective _____

IAI Fine Arts Electives:

ArtART 111, 220, 221, 291

LiteratureLIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 120 or 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ HIS 202 or Social Science Elective _____

_____ PSC 131 or Social Science Elective _____

_____ PSY 132 or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (3 courses)

One course must be at least 4 credit hours and include a lab component.

_____ SCI 210B or Life Science Elective _____

_____ SCI 210A or Physical Science Elective _____

_____ Life or Physical Science Elective _____

**Transfer Curriculum 000AS0087
Associate in Science: 62 Hours Minimum
Major Code: 1.1 131202B**

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ HTH 110

_____ MAT 108

_____ MAT 208

_____ MAT 209

_____ EDC 202 or Elective _____

_____ EDC 203 or Elective _____

_____ PEDE 202 or Elective _____

_____ Elective _____

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program, qualifying scores on the TAP, ACT plus writing, or SAT must be submitted. Students must earn a grade of "C" or higher in all courses for an endorsement and required in the major. Students must also meet the minimum grade point average required for consideration into the TEP (typically a minimum of 2.5, but may be higher depending on the institution or program option selected).

Helpful tips for applying to a Teacher Education Program may be found here: https://www.ialc.edu/files/uploads/global/catalog/pdfs/tips_for_ed_majors.pdf

SIUC TRANSFER INFORMATION: Students are required to take EDC 202, EDC 203, ART 111, MUS 105, HIS 202, PSC 131, PSY 132, HTH 110, MAT 108, MAT 120, MAT 208, MAT 209, and PEDE 202.

SIUE TRANSFER INFORMATION: EDC 200, PSY 262, HIS 201, HIS 202, GEO 112, PHS 103, PHL 121, HTH 110, SCI 210A, SCI 210B, MUS 105 or ART 111, and ECO 210 or ECO 202, are required. Students must also select one course from LIT 211, 212, 231, 232, 235, 236, 280, 281, 284, or 290.

EIU TRANSFER INFORMATION: BIO 100 or BIO 101, PHY 155, CHM 151, PHS 103 or PHS 220, GEO 112, CPS 111, EDC 200, EDC 202 or PSY 262, HIS 201 or HIS 202, ANT 111, MUS 105 or THE 113, ANT 111 or PSY 12, PSC 212 or SOC 264, MAT 120, MAT 108, MAT 208, and MAT 209 are required.

ISU TRANSFER INFORMATION: The department prefers that the following courses be completed prior to transfer: PSC 131, GEO 112, ECO 201 or ECO 202, HIS 201 or HIS 202, PHS 107, PHY 121 or PHY 155, CHM 141 or CHM 151, LIT 264, EDC 208 or PSY 265, and MAT 209.

**ENGINEERING SCIENCE-ASSOCIATE IN ENGINEERING SCIENCE
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communication: (2 courses)

_____ ENG 101 (C grade or higher)

_____ ENG 102 (C grade or higher)

IAI Mathematics (1 course)

_____ MAT 131

IAI Social and Behavioral Sciences (2 courses)

_____ ECO 201 or Social Science Elective _____

_____ ECO 202 or Social Science Elective _____

IAI Physical Science (1 course)

_____ CHM 151

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 68 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ CPS 206 _____ MAT 201 _____ MAT 202

_____ MAT 205 _____ PHY 205 _____ PHY 206

ENGINEERING SPECIALIZATION CORE

Choose one of the following specializations:

Undecided:

_____ EGR 101 _____ PHY 201 _____ PHY 202

(IAI GECC Electives, 12 credits selected from the following)

_____ SPE 115

_____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

Electrical:

_____ PHY 214

(IAI GECC Electives, 18 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ PHL 111 or Humanities/Fine Arts Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

**Transfer Curriculum AES 0096
Associate in Engineering Science: 68 Hours Minimum
Major Code: 1.1 140101P**

Civil:

_____ EGR 101 _____ PHY 201 _____ PHY 202

(IAI GECC Electives, 12 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

Chemical:

_____ CHM 152 _____ CHM 201 _____ CHM 202

(GECC IAI Electives, 6 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ PHL 111 or Humanities/Fine Arts Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

Mechanical:

_____ PHY 214 _____ EGR 101 _____ PHY 201

(GECC IAI Electives, 12 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

Computer:

_____ EGR 101 _____ PHY 201 _____ PHY 202

(GECC IAI Electives, 12 credits selected from the following)

_____ SPE 115 _____ Social Science Elective _____

_____ BIO 225 or Life Science Elective _____

_____ Fine Arts Elective _____

_____ PHL 111 or Humanities Elective _____

_____ PHL 121 or Humanities/Fine Arts Elective _____

IAI INFORMATION: This guide follows the guidelines established by the IAI Engineering major Panel for an Associates in Engineering Science Degree. This guide is not designed to complete the full IAI GECC component. You will need to fulfill the remaining IAI GECC courses at your transfer institution.

SIUC TRANSFER INFORMATION: Students can either choose to complete the IAI GECC courses for the degree, or substitute some of the following required courses: Civil requires PHY 203; Mechanical requires PHY 202; Civil and Mechanical require CHM 202.

SIUE TRANSFER INFORMATION: PHL 121 is required for all options. CHM 101 or CHM 151 may be taken to meet the chemistry requirement. ECO 201 is recommended.

ENGINEERING TECHNOLOGY-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

Transfer Curriculum 000AS0087
Associate in Science: 64 Hours
Major Code: 1.1 150303B

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements**. An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communication: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 (3)

IAI Humanities & Fine Arts: (2 courses)

_____ Fine Arts Elective (3)

_____ Humanities Elective (3)

IAI Fine Arts Electives:

Art..... ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History.....HIS 101, 102, 213

Literature..... LIT 211,212,231,232,235,264,280,281,284,295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 282 (3)

IAI Social and Behavioral Sciences (2 courses)

_____ PSY 132 or Social Science Elective _____

_____ ECO 201 or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics..... ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology..... SOC 133, 215, 263, 264

IAI Physical Science (2 course)

One course must include a lab

_____ PHY 155 (5)

_____ Life Science Elective

Additional Associate in Science degree requirements:

_____ PHY 156 (5) or PHY 121 (4)

_____ MAT 111 (5) or MAT 116 (3)

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.)

To transfer to SIUC, select from:

_____ PHY 215 (4) _____ MAT 131 (5)

_____ ELT 103 (4) _____ ELT 150 (4)

_____ ELT 200 (5) _____ BUS 235 (3)

_____ CPS 176 (4)

To transfer to ISU, select from:

_____ MAC 152 (2) _____ MAC 153 (2)

_____ BUS 121 (3) _____ BUS 222 (3)

_____ ECO 201 (3) _____ ECO 202 (3)

_____ PSY 132 (3) _____ MAC 159 (2)

_____ ACC 200 (3) _____ ACC 201 (3)

_____ GEO 112 (3) or PSC 212 (3)

_____ ISU STM Course (3)

ARTICULATION NOTES: Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

SIUC

Offers an Electrical Engineering Technology specialization under Engineering Technology. Take PHY 155 and 156. Take MAT 111, 131 and 282. Take BUS 235 and CPS 176. Take ELT 103(ET 245), ELT 150 (ET 150) and ELT 200 (ET 238). Take PHY 215 (ET 304A/B)

ISU

Take BUS 121, MAT 116, PSY 132 and PHY121. Take MAC 152 and 153 (TEC 233). A minimum of twelve credits of electives are required. Select from MAC 159 (TEC 234), ACC 200 and 201 (ACC 131), BUSA 222 (FIL 185), ECO 201 and 202 (ECO 105).

As a general graduation requirement, an approved AMALI (formerly Global Studies) course is required. Select from GEO 112 (GEO 135) or PSC 212 (POL 151). All B.S. degrees require an approved STM course. Select from BIO 226, 240,275, CHM 142, 201, PHS 107, MAT 117, 201,202, 125, 221, BUS 121, PSY 156 or 206.

ENGINEERING UNDECIDED
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed do not complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective (3) _____

_____ Humanities Elective (3) _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211,212,231,232,235,264,280,281,284,295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 131 (5)

IAI Social and Behavioral Sciences (2 courses)

_____ ECO 202 (3)

_____ Social Science Elective (3) _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics..... ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology..... SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

_____ Life Science Elective _____

_____ CHM 151 (5)

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Geography... GEO 215

Transfer Curriculum 000AS0087
Associate in Science: 64 Hours Minimum
Major Code: 1.1 140102B

ADDITIONAL ASSOCIATE IN SCIENCE REQUIREMENTS
(Courses should be applicable to desired major)

_____ MAT 201 (5)

_____ PHY 205 (5)

MAJOR AND GENERAL ELECTIVE REQUIREMENTS-20+

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.) **Please select courses on this guide in accordance with the transfer requirements for your transfer institution.**

_____ MAT 202 (5)

_____ MAT 205 (3)

_____ PHY 206 (5)

_____ Elective (3) _____

Select from EGR 101 (3), PHY 201 (3), PHY 202 (3) or PHY 214 (3)

ARTICULTION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major.

IAI Engineering Major Panel

This guide follows the panel's recommendations for someone interested in pursuing an Engineering degree but is "undecided" on which program option (Chemical, Civil, Computer, Electrical, Industrial or Mechanical Engineering) to follow after transfer.

**ENGLISH-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communication: (3 courses)

_____ ENG 101 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ LIT 280 or Humanities Elective _____

_____ LIT 281, Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

**Transfer Curriculum 000AA0086
Associate in Arts: 64 Hours Minimum
Major Code: 1.1 230101A**

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ LIT 211 or Elective _____

_____ LIT 212 or Elective _____

_____ LIT 231 or Elective _____

_____ LIT 232 or Elective _____

_____ Foreign Language I or elective _____

_____ Foreign Language II or elective _____

_____ Elective _____ Elective _____

_____ Elective _____

DEGREE INFORMATION: This program guide follows the IAI English Major panel. Competency in a single foreign language through the second, third, or fourth semester is recommended.

SIUC TRANSFER INFORMATION: LIT 281 is recommended with a grade of "C" or higher. Students should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement in the College of Liberal Arts. Two semesters of the same foreign language are also required. IPP 141 and 142 could also be used to satisfy the language requirement. LIT 281 is recommended. Students considering graduate study in English should take four semesters of the same foreign language.

SIUE TRANSFER INFORMATION: Two semesters of the same foreign language are required. PHL 121 is recommended

EIU TRANSFER INFORMATION: A culturally diverse course is required. PHL 200 (Humanities) or GEO 112 (Social Science) will fulfill this requirement. Two semesters of the same foreign language are required (two years of the same foreign language in high school with a grade of "C" or higher will satisfy this requirement).

ISU TRANSFER INFORMATION: Transfer students must have at least a cumulative 2.5 GPA with the required prerequisites (ENG 101 or SPE 115 and LIT 264 with a grade of "B" or higher) or a 3.3 GPA with no prerequisites. Two semesters of the same language are required (three years of the same language in high school with a grade of "C" or higher will satisfy this requirement). IPP 141 and 142 may be used to satisfy the language requirement. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

ENGLISH EDUCATION-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ LIT 280 or Humanities Elective _____

_____ LIT 281, Humanities, or Fine Arts Elective _____

IAI Fine Arts Electives:

ArtART 111, 220, 221, 291

LiteratureLIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 or Social Science Elective _____

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hours Minimum
Major Code: 1.1 131305A

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ EDC 202 or Elective _____

_____ EDC 203 or Elective _____

_____ LIT 211 or Elective _____

_____ LIT 212 or Elective _____

_____ LIT 231 or Elective _____

_____ Foreign Language I or Elective _____

_____ Foreign Language II or Elective _____

_____ Elective _____ Elective _____

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program, qualifying scores on the TAP, ACT plus writing, or SAT must be submitted. Students must earn a grade of "C" or higher in all courses for an endorsement and required in the major. Students must also meet the minimum grade point average required for consideration into the TEP (typically a minimum of 2.5, but may be higher depending on the institution or program option selected).

Helpful tips for applying to a Teacher Education Program may be found here: https://www.ialc.edu/files/uploads/global/catalog/pdfs/tips_for_ed_majors.pdf

SIUC TRANSFER INFORMATION: LIT 280, PSY 132, EDC 202, and 203 are required. Students should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement in the College of Liberal Arts. Two semesters of the same foreign language are also required. IPP 141 and 142 could also be used to satisfy the language requirement. LIT 281 is recommended.

SIUE TRANSFER INFORMATION: EDC 200, EDC 203, EDC 208, PHL 121 and SPE 122 or SPE 200 are required. Two semesters of the same foreign language are also required.

EIU TRANSFER INFORMATION: GEO 112 or PHL 200 is required and satisfies the culturally diverse course requirement. Two semesters of the same foreign language are required (two years of the same foreign language in high school with a grade of "C" or higher will satisfy this requirement).

ISU TRANSFER INFORMATION: LIT 264 is required. Students are required to complete three semesters of a single foreign language. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors

**ENVIRONMENTAL RESOURCES AND GEOGRAPHY-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements.** An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ GEO 112

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

**Transfer Curriculum 000AS0087
Associate in Science: 63 Hours Minimum
Major Code: 1.1 150507B**

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ PHS 107 or Physical Science Elective _____

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 63 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ GEO 215 or Elective _____

_____ Foreign Language I or Elective _____

_____ Foreign Language II or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

SIUC TRANSFER INFORMATION: GEO 112, PHS 107 are required. GEO 215 is required for the Sustainability Specialization. Students should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement in the College of Liberal Arts. Two semesters of the same foreign language are also required. In addition to other language courses, IPP 141 and 142 may be used to satisfy this requirement.

SIUE TRANSFER INFORMATION: GEO 112 is required. Two semesters of the same foreign language are also required.

EIU TRANSFER INFORMATION: GEO 112 and PHS 103 are required. GEO 215, PHS 101, 111, and 107 may count depending on the specialization.

ISU TRANSFER INFORMATION: GEO 112 is required. Two semesters of the same language are also required (three years of the same language in high school with a grade of "C" or higher will satisfy this requirement). Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

HISTORY-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211,212,231,232,235,264,280,281,284,295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ HIS 201

_____ HIS 202

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics..... ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology..... SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credits and include a lab component.

_____ Life Science Elective _____

_____ PHS 107 or Physical Science Elective _____

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hours Minimum
Major Code: 1.1 540101A

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Geography..... GEO 215

IAI Physical Science Electives:

Chemistry..... CHM 141, 151

Interdisciplinary PHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ HIS 101 and _____ HIS 102

OR

_____ HIS 103 and _____ HIS 104

_____ Foreign Language I or Elective _____

_____ Foreign Language II or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

SIUC TRANSFER INFORMATION: HIS 101 and 102, or HIS 103 and 104, plus HIS 201, and 202 are required. Students should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement. Two semesters of the same foreign language are also required. IPP 141 and 142 may be used to satisfy the language requirement.

SIUE TRANSFER INFORMATION: HIS 103, 104, 201, and 202 are required. The B.A. requires two semesters of the same foreign language. A second year of the same foreign language and PHL 121 are recommended.

EIU TRANSFER INFORMATION: HIS 101, 102, 201, and 202 are required. Two semesters of the same foreign language are also required (two years of a foreign language in high school with grades of "C" or higher will also satisfy this requirement). The International Studies Option requires the following additional courses: ECO 201, ECO 202, GEO 112, PSC 212, and FRE, GER, or SPN 202.

ISU TRANSFER INFORMATION: HIS 102, 201, 202, and PSC 120 are required. Two semesters of the same foreign language are required (three years of the same language in high school with a grade of "C" or higher will also satisfy this requirement). A minor in a related field is recommended. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement.

HISTORY EDUCATION-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide
(Toward Illinois Social Science Licensure-History Designation)

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 or Social Science Elective _____

_____ PSC 131 or Social Science Elective _____

_____ SOC 133 or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ PHS 107 or Physical Science Elective _____

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hours Minimum
Major Code: 1.1 131328A

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography. ..GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ HIS 101 and _____ HIS 102

OR

_____ HIS 103 and _____ HIS 104

_____ HIS 201 _____ HIS 202

_____ EDC 202 or Elective _____

_____ EDC 203 or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program, qualifying scores on the TAP, ACT plus writing, or SAT must be submitted. Students must earn a grade of "C" or higher in all courses for an endorsement and required in the major. Students must also meet the minimum grade point average required for consideration into the TEP (typically a minimum of 2.5, but may be higher depending on the institution or program option selected).

Helpful tips for applying to a Teacher Education Program may be found here: https://www.jalc.edu/files/uploads/global/catalog/pdfs/tips_for_ed_majors.pdf

SIUC TRANSFER INFORMATION: ANT 111 or 216, ECO 201 or 202, GEO 112, EDC 202, 203, HIS 101/102 or HIS 103/104, HIS 201, 202, PHS 107, PSC 131, 212, PSY 132, and SOC 133 are required. If electives allow, ANT 202, the second ECO course, PSC 211, and PSY 203 are recommended. The Social Science with History designation requires an additional concentration in Geography or Political Science.

SIUE TRANSFER INFORMATION: HIS 103, 104, 201, 202, ANT 216, EDC 200, ECO 201, 202, PSC 131, 212, and SOC 133 are required.

EIU TRANSFER INFORMATION: HIS 101, 102, 201, 202, CPS 111, ECO 201, 202, GEO 112, PSC 131, 211, 212, PSY 132, 203, 270, and SOC 133 are required. For an additional concentration in Geography, PHS 103 or 220 is required. For a concentration in Psychology, PSY 200 and 205 or 285 are required.

ISU TRANSFER INFORMATION: HIS 102, 201, 202, ECO 201, 202, GEO 112, PSC 131, and SOC 133 or 264 are required. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (9 Hours)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (9 Hours)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective (3) _____

_____ HIS 101 (3) or Humanities Elective _____

_____ HIS 102 (3) or Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art..... ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211,212,231,232,235,264,280,281,284,295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (3 Hours)

_____ Mathematics Elective (3) _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 209, MAT 282

IAI Social and Behavioral Sciences (9 Hours)

At least two different disciplines (course prefixes) must be represented.

_____ ECO 201 (3)

_____ ECO 202 (3)

_____ PSC 212 or PSC 213(3) or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics..... ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology..... SOC 133, 215, 263, 264

IAI Physical/Life Sciences (7-8 Hours)

One course must be include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Geography... GEO 215

Transfer Curriculum 000AA0086

Associate in Arts: 64 Hours Minimum

Major Code: 1.1 302001A

IAI Physical Science Electives:

Chemistry.....CHM 141, 151

InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B

Physical SciencePHS 102,103,105,107,108, 220

PhysicsPHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

27 hours

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.)

_____ Two years single Foreign Language (16) _____

(Select a language through SPN 202, FRE 202 or GER 202).

Note: Considering the wide variety of degree program options and focus, select courses accordingly with the assistance of an advisor and/or your transfer institution.

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

ARTICULATION NOTES: Consult with the transfer institution to assess if courses require a grade of "C" or higher, or if there is a minimum grade point average for admission consideration into your major.

SIUC: Offers a B.S degree in Languages, Cultures and International Studies. Students would pursue one of four regional specializations (African and Middle Eastern Studies, Asian and South Pacific Studies, European Studies or Latin American and Caribbean Studies).

All course should be selected in consultation with the International Studies advisor. The following Core Courses are recommended not required.

Take HIS 101 and 102 or HIS 103 and 104. Select two from ANT 111 (or 216), ECO 210 (or 202), GEO 112 and HIS 112. Take foreign language through the second intermediate course (students must demonstrate intermediate level proficiency in a targeted language). Students must take five courses under Global and International Comparative Issues. Select from ANT 202, 216, PSC212 (or 213), SOC 263. Five courses are required from one of the following regions (Africa and Middle East, Asia and South Pacific, Europe or Latin America and the Caribbean). Select HIS 213 if you opt for Asia and the South Pacific. Region.

EIU: Offers an International Studies option under Economic, History, Political Science and Business Management. For International Studies in Economics, take ECO 201 and 202. BUS 121, MAT 131 or 117 and MAT 116 or 221. Take foreign language through the second intermediate course (SPN 202, GER 202 or FRE 202). For the International Studies option under Political Science, take PSC 289, 131 and 213 as departmental core courses. Complete a foreign language through the intermediate level (SPN 202, GER 202 or GER 202). Take ECO 201 and 202, HIS 101 and 102 and PSC 211. For the International Studies option under History, take HIS 101, 102, 201 and 202. Take ECO 201 and 202, GEO 112 and PSC 212. Take a single language through the intermediate level (SPN 202, GER 202 or FRE 202).

Other

Some institutions offer degrees in areas such as International Business, Foreign Language and International Trade or a major or minor targeting a specific region (Russian Area Studies, Asian Area Studies, etc.). Consult your academic advisor or transfer institution.

MATHEMATICS-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

Transfer Curriculum 000AS0087
Associate in Science: 64 Hours
Major Code: 1.1 270101B

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements**. An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective (3) _____

_____ PHL 121 or Humanities Elective (3) _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 131 (5)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective (3) _____

_____ Social Science Elective (3) _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ BIO 101 (4) or Life Science Elective _____

_____ PHY 205 (5) or Physical Science Elective _____

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

Additional Associate in Science Degree Requirements

(Courses should be applicable to the desired major)

MAT 201-5 _____

PHY 206-5 or Physical or Life Science Elective _____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total 64 hours** for the degree. Students should select elective hours that will allow them to complete this 64 hour requirement.) **Please select courses on this guide in accordance with the transfer requirements for your transfer institution. Please note that not all electives listed are required to complete this degree. Hours must total 64.**

_____ CPS 206 (4) or Elective _____

_____ MAT 202 (5)

_____ MAT 205 (3) or General Elective _____

_____ MAT 221 (3) or General Elective _____

_____ PHY 205 (5) or General Elective _____

_____ PHY 206 (5) or General Elective _____

_____ Foreign Language (8) or General Electives _____

ARTICULTION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major.

IAI AND MATHEMATICS MAJOR PABNEL INFORMATION: *Take MAT 131, 201 and MAT 221 or MAT 205 to fulfill core. It is highly advised to complete the Calculus sequence at the same institution. Take CPS 206 and PHY 205. JALC Math suggests PHL 121-3 as the IAI GECC Humanities Elective*

SIUC TRANSFER INFORMATION: *For the B.S. degree under the College of Science take MAT 131, 201, 202, MAT 221. Take CPS 206. Take MAT 205 as a match to MATH 305 that fulfills a Group C requirement.*

-Take a two course Foreign Language sequence at the college level to satisfy the College of Science Supportive Skill requirement. Three years of the same language with grades of C or higher in high school will also satisfy the Supportive Skills requirement. BIO 101 and 102 will satisfy the College of Science Biological Sciences requirement. PHY 205/206 can fulfill the Physical Sciences requirement for the College of Science.

SIUE TRANSFER INFORMATION: *All program options under Mathematics and Statistics require completion of a core. Take MAT 131, 201 and 202. Take MAT 221. Take PHY 205. PHL 121 is recommended. MAT 223 and CS 145 will need to be completed at SIUE.*

B.S. degree options include Actuarial Science, Applied Math, Pure Math, Statistics and Teacher Licensure. Depending on the Mathematical Studies option, additional courses could be taken at JALC that meet degree requirements.

EIU TRANSFER INFORMATION: *Offers Mathematics with two concentrations (Applied Mathematics and Pure Mathematics)*

- Take MAT 131, 201, 202 and 221. Also take CPS 206
- Take MAT 205 and CPS 215 for the Applied Mathematics option.
Take MAT 205 for the Pure Mathematics option.
- Foreign Language-8 is required but two years in a single language in high school with "C" or grades will waive the one year/two course requirement.

ISU TRANSFER INFORMATION: Offers Mathematics with two concentrations (Applied Mathematics and Pure Mathematics)--Take MAT 131, 201, 202 and 221. Take CPS 206.

- Take MAT 205 and CPS 215 for the Applied Mathematics option.
Take MAT 205 for the Pure Mathematics option.
- Foreign Language-8 hours is required but two years in a single language in high school with "C" or grades will waive the one year/two course requirement

**MATHEMATICS (SECONDARY EDUCATION)
ASSOCIATE IN ARTS IN TEACHING
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 31-32 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. **Degree requirements have been revised for new students for the fall 2016 term.** The degree requirements as listed do **not** complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 131

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 or Social Science Elective _____

_____ HIS 103, 104 or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ BIO 110 or Life Science Elective _____

_____ Physical Science Elective _____

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography. GEO 215

Transfer Curriculum AAT 0105

Associate of Arts in Teaching: 64 Hours Minimum

Major Code: 1.1 131311N

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102, 103, 105, 107, 108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 64 hours** for the degree. Students should select elective hours that will allow them to complete this 64 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ MAT 201 _____ MAT 221

_____ CPS 206 or Elective _____

_____ EDC 200 or Elective _____

_____ EDC 202 or Elective _____

_____ EDC 203 or Elective _____

_____ MAT 202, 205, or Elective _____

_____ CPS 111 or Elective _____

_____ Elective _____

_____ Elective _____

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

IAI INFORMATION: This guide follows the guidelines established by the IAI Panel for the AAT in Secondary Mathematics. It is not designed to complete the IAI GECC requirements; they will be completed based on the recommendations at the transfer institution.

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program, qualifying scores on the TAP, ACT plus writing, or SAT must be submitted. Students must earn a grade of "C" or higher in all courses for an endorsement and required in the major. Students must also meet the minimum grade point average required for consideration into the TEP (typically a minimum of 2.5, but may be higher depending on the institution or program option selected). Helpful tips for applying to a Teacher Education Program may be found here: https://www.jalc.edu/files/uploads/global/catalog/pdfs/tips_for_ed_majors.pdf

SIUC TRANSFER INFORMATION: EDC 202, 203, MAT 131, 201, 202, 221, CPS 111, and 206 are required. Two years of the same foreign language is also required (three years of the same foreign language in high school with grades of "C" or higher will satisfy the language requirement). BIO 110 is suggested for meeting the College of Science requirement in biology.

SIUE TRANSFER INFORMATION: PHY 205 and PHY 206 are required. PHL 121 is recommended for the IAI humanities course.

EIU TRANSFER INFORMATION: Two semesters of the same foreign language is required, however, two years of the same foreign language in high school will meet the requirement. MAT 205 and CPS 215 will satisfy the Option I and II Mathematics requirements.

ISU TRANSFER INFORMATION: Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

MUSIC-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communication: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ MUS 105

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hours Minimum
Major Code: 1.1 500901A

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.) 27 credits minimum

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. **Please select courses on this guide in accordance with the transfer requirements for your transfer institution. This guide does not require the two-credit Applied Lessons per semester that are required by many transfer institutions and by other JALC AFA Music guides.**

Aural Skills, *Theory:

_____ MUS 108 (1) _____ MUS 109 (1) _____ MUS 208 (1)

_____ MUS 209 (1) _____ MUS 121 (3) _____ MUS 122 (3)

_____ MUS 221 (3) _____ MUS 222 (3)

*Music Majors take an evaluation exam during the first full week of MUS 121. Those needing remediation are required to take MUS 110 concurrently with MUS 121.

Ensemble:

_____ MUS 101A or 102A (1) _____ MUS 101A or 102A (1)

_____ MUS 101A or 102A (1) _____ MUS 101A or 102A (1)

Applied Music Instruction (Piano):

_____ MUS 106(1) _____ MUS 111B(1) _____ MUS 111B(1)

_____ MUS 111B(1)

_____ MUS 225 or Elective (3)

SIUC TRANSFER INFORMATION: Students planning to major in Music Business should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement in the College of Liberal Arts. The College of Liberal Arts also requires two semesters of the same foreign language. IPP 141 and 142 may be used to satisfy the language requirement.

ISU TRANSFER INFORMATION: Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

**MUSIC PERFORMANCE
ASSOCIATE IN FINE ARTS
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communication: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ MUS 105

_____ Humanities Elective _____

_____ MUS 225 _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses) 7-8 hours

One course must include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

**Transfer Curriculum 000AF0088
Associate in Fine Arts: 65 Hours Minimum
Major Code: 1.1 500901M**

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geo. GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 65 hours for the degree.)

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. **Please select courses on this guide in accordance with the transfer requirements for your transfer institution. Please note that not all electives listed are required to complete this degree. Hours must total 65 minimum-68 maximum.**

Aural Skills, *Theory:

_____ MUS 108 (1) _____ MUS 109 (1) _____ MUS 208 (1)

_____ MUS 209 (1) _____ MUS 121 (3) _____ MUS 122 (3)

_____ MUS 221 (3) _____ MUS 222 (3)

*Music Majors take an evaluation exam during the first full week of MUS 121. Those needing remediation are required to take MUS 110 concurrently with MUS 121.

Ensemble:

_____ MUS 101A or 102A (1) _____ MUS 101A or 102A (1)

_____ MUS 101A or 102A (1) _____ MUS 101A or 102A (1)

Applied Music Instruction (Piano and Primary):

_____ MUS 106(1) _____ MUS 111B(1) _____ MUS 111B(1)

_____ MUS 111B(1) _____ MUS 211(2) _____ MUS 211(2)

_____ MUS 211(2) _____ MUS 211(2)

PROGRAM INFORMATION: This program guide includes recommendations for the Associates in Fine Arts (AFA) degree. This degree requires up to 68 credits and does not require the full IAI GECC component, which can be completed upon transfer.

SIUC TRANSFER INFORMATION: Students planning to earn a Bachelor of Fine Arts in Musical Theater are not required to take foreign language.

ISU TRANSFER INFORMATION: Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

PHYSICAL EDUCATION/KINESIOLOGY TEACHER EDUCATION-ASSOC. IN SCIENCE

Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 31-32 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term.

The degree requirements as listed do **not** complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

IAI Fine Arts Electives:

- Art ART 111, 220, 221, 291
- Literature LIT 275
- Music MUS 105, 225
- Theater..... THE 113

IAI Humanities Electives:

- Foreign Language..... FRE 202, GER 202, SPN 202
- History..... HIS 101, 102, 213
- Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295
- Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

- MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 or Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

- Anthropology ANT 111, 202, 216, 240
- Economics ECO 201, 202
- Geography GEO 112
- History HIS 103, 104, 201, 202
- Political Science PSC 131, 211, 212, 213, 289
- Psychology PSY 132, 200, 203, 262
- Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AS0087

Associate in Science: 62 Hours Minimum

Major Code: 1.1 131314B

IAI Life Science Electives:

- Biology BIO 100, 101, 105, 110, 115, 120, 225
- Interdisciplinary PHS 101 with PHS 111
- Physical Geography.... GEO 215

IAI Physical Science Electives:

- Chemistry CHM 141, 151
- Interdisciplinary PHS 101 with PHS 111
- Physical Science PHS 102,103,105,107,108, 220
- Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ BIO 105 or Elective _____

_____ EDC 202 or Elective _____

_____ EDC 203 or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program, qualifying scores on the TAP, ACT plus writing, or SAT must be submitted. Students must earn a grade of "C" or higher in all courses for an endorsement and required in the major. Students must also meet the minimum grade point average required for consideration into the TEP (typically a minimum of 2.5, but may be higher depending on the institution or program option selected). Helpful tips for applying to a Teacher Education Program may be found here: https://www.jalc.edu/files/uploads/global/catalog/pdfs/tips_for_ed_majors.pdf

SIUC TRANSFER INFORMATION: EDC 202, 203, BIO 105 or 205, and PSY 132 are required. It is recommended that students complete a minor in coaching.

SIUE TRANSFER INFORMATION: The teacher education option in Physical Education for secondary education is no longer offered.

EIU TRANSFER INFORMATION: PSC 131, BIO 205, HTH 118, and EDC 203 are required.

ISU TRANSFER INFORMATION: PSY 132, PHY 121 or 155, BIO 205, and 206 are recommended courses. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

PHYSICS-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

Transfer Curriculum 000AS0087
Associate in Science: 64 Hours
Major Code: 1.1 400801B

GENERAL EDUCATION (IAI GECC, 31-32 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements.** An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 131 (5)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

_____ BIO 101 (4) or Life Science Elective _____

_____ PHY 205 (5)

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 **and** PHS 111, SCI 210A **and** SCI 210B

Physical Geography... GEO 215

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 64 hours** for the degree. Students should select elective hours that will allow them to complete this 64 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ PHY 206 (5)

_____ MAT 201(5)

_____ MAT 202 (3)

_____ MAT 205 or Elective (3) _____

_____ MAT 221 or Elective (3) _____

_____ CHM 151 or Elective (5) _____

_____ Foreign Language or Elective (8) _____

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

IAI MAJOR INFORMATION: PHY 205, 206, MAT 131, 201, 202, 205, and 221 are required as part of the IAI Major Panel. CHM 151 is also recommended.

SIUC TRANSFER INFORMATION: PHY 205, 206, CHM 151, MAT 131, 201, 202, 205, and 221 are required. BIO 101 and 102 will meet the biological science requirement for the College of Science. The six credit hour supportive skill requirement can be satisfied with two semesters of the same foreign language or taking ENG 113 or BUS 235 **and** CPS 176 or 206. IPP 141 and 142 may be used to satisfy the language requirement.

SIUE TRANSFER INFORMATION: CHM 151, CHM 152, CPS 206, 215, MAT 131, 201, MAT 202, MAT 205, PHY 205, and 206 are required.

EIU TRANSFER INFORMATION: CHM 151, CPS 206, MAT 131, 201, MAT 202, MAT 205, 221, PHY 201, 205, and 206 are required.

ISU TRANSFER INFORMATION: PHY 202, 205, 206, CHM 141, 142, MAT 131, 201, 202, 205, and 221 are required. PSY 132 is recommended. Two semesters of the same language are also required (three years of the same language in high school with a grade of "C" or higher will satisfy this requirement). IPP 141 and IPP 142 may be used to satisfy this requirement. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

POLITICAL SCIENCE-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211,212,231,232,235,264,280,281,284,295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSC 131

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics..... ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology..... SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AA0086

Associate in Arts: 64 Hours

Major Code: 1.1 451001A

IAI Life Science Electives:

BiologyBIO 100, 101, 105, 110, 115, 120, 225

InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Geography.....GEO 215

IAI Physical Science Electives:

Chemistry.....CHM 141, 151

InterdisciplinaryPHS 101 and PHS 111, SCI 210A and SCI 210B

Physical SciencePHS 102,103,105,107,108, 220

PhysicsPHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ PSC 211 or Elective _____

_____ PSC 212 or Elective _____

_____ PSC 213 or Elective _____

_____ PSC 289 or Elective _____

_____ Foreign Language I or Elective _____

_____ Foreign Language II or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

MAJOR INFORMATION: This guide follows the recommendations for the IAI Major Panel.

SIUC TRANSFER INFORMATION: PSC 131, 212, and 289 are required for the major. PSC 212 and 289 will also satisfy the International Coursework requirement in Liberal Arts. Two semesters of the same foreign language are also required. IPP 141 and 142 may be used to satisfy the language requirement. The major offers specializations in Pre-Law, Public Service and International Relations.

SIUE TRANSFER INFORMATION: Students must complete three credits from four of the six Political Science subfields. PSC 211 or 215 will satisfy the American Government and Politics subfield, and PSC 212 will satisfy the International Relations subfield.

EIU TRANSFER INFORMATION: PSC 131, 211, 212 and 289 are required. Two semesters of the same foreign language are required (two years of a single language in high school with a grade of "C" or higher will also satisfy this requirement). The International Studies Option also requires HIS 101, 102, ECO 201, and 202, as well as proficiency in a foreign language demonstrated by completing a course at the intermediate level or passing a language proficiency test.

ISU TRANSFER INFORMATION: PSC 131 and 212 are required. MAT 113 is recommended. PSC 211 and 215 are required for the American Politics concentration. The B.S. Degree requires two semesters of the same language (three years of the same language in high school with a grade of "C" or higher will satisfy this requirement). The B.A. Degree requires three semesters of the same foreign language. IPP 141 and 142 may be used to satisfy the language requirement. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

**Pre-Chiropractic-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term.

The degree requirements as listed **do not complete IAI GECC core requirements.** An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 121 or Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291
Literature..... LIT 275
Music..... MUS 105, 225
Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202
History..... HIS 101, 102, 213
Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295
Philosophy..... .PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Math Elective (3)

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 209, MAT 282

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 (3)

_____ Social Science Elective (3) _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240
Economics ECO 201, 202
Geography GEO 112
History HIS 103, 104, 201, 202
Political Science PSC 131, 211, 212, 213, 289
Psychology PSY 132, 200, 203, 262
Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

_____ BIO 101(4)

_____ PHY 155 (5)

Transfer Curriculum 000AS0087

Associate in Science: 62 Hours

Major Code: 1.1 511199R

Additional Associate in Science Degree requirements

(Courses should be applicable to your intended major)

MAT 108 (4) _____

BIO 102 (4) _____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

21+ (IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ MAT 109 (3)

_____ CHM 151 (5)

_____ CHM 152 (5)

_____ CHM 201 (5)

_____ CHM 202 (5)

_____ PHY 156 (5)

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

SIUC TRANSFER INFORMATION: Pre-Chiropractic is not a major. In some cases, you must choose a major in which to earn a baccalaureate degree.

The SIUC Health Professions Information Office suggests basic course requirements for Illinois and Missouri Chiropractic Schools.

--Take BIO 101 and 102. Take CHM 151, 152, 201 and 202. Take MAT 108 and 109. Take PHY 155 and 156. Take PSY 132. PHL 121 is recommended

PRE-LAW-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 121 or Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

ArtART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSC 131 or Social Science Elective _____

_____ PSC 212 or Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science.....PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hours Minimum
Major Code: 1.1 220001A

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ PSC 220 or Elective _____

_____ Foreign Language I or Elective _____

_____ Foreign Language II or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

SIUC TRANSFER INFORMATION: Students must select a major, typically in the College of Liberal Arts, when they transfer. Students should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement in the College of Liberal Arts. The College of Liberal Arts also requires two semesters of the same foreign language. IPP 141 and 142 may be used to satisfy the language requirement.

ISU TRANSFER INFORMATION: Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

PRE-PHARMACY-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits) The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major. **Degree requirements have been revised for new students for the fall 2016 term.** The degree requirements as listed **do not complete IAI GECC core requirements.** An additional 3 credits of approved Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ PHL 111 or PHL 121 or PHL 131 (3)

_____ IAI Literature Course

IAI Literature Electives.....LIT 211, 212, 231, 232, 235, 264, 275, 280, 281, 284, 295

IAI Mathematics (1 course)

_____ MAT 282 (3)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 or SOC 133 (3)

_____ ECO 201 or ECO 202 (3)

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ BIO 101 (4)

_____ PHY 155 (5)

Additional Associate in Science Degree Requirements

(Courses should be applicable to desired major)

_____ BIO 102 (4)

_____ MAT 131 (5)

Transfer Curriculum 000AS0087
Associate in Science: 64 Hours Minimum
Major Code: 1.1 511103B

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree. Select courses from this listing with consideration to Articulation Notes)

_____ BIO 205 (4)

_____ BIO 206 (4)

_____ BIO 226 (4)

_____ CHM 151 (5)

_____ CHM 152 (5)

_____ CHM 201 (5)

_____ CHM 202(5)

ARTICULATION NOTES:

Consult with your academic advisor and/or the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major.

SIUE TRANSFER INFORMATION: This guide is prepared to align with the SIUE School of Pharmacy curriculum and the 2 plus 4 degree option. These courses are required even though an Associate in Science degree has been earned. It should be understood the completion of these pre-pharmacy course requirements does not guarantee admission to the SIUE School of Pharmacy.

-Take BIO 101, 102, 205, 206 and 226. Take CHM 151, 152, 201 and 202. Take MAT 131. Take PHY 155 and 156 (note: Students entering the SIUE program in 2016 or 2017 can take MAT 282 in lieu of PHY 156. Students entering the Pharmacy program in 2018 or later must take MAT 282). Take ECO 201 or 202. Take PSY 132 or SOC 133. Select one Philosophy from PHL 111, 121 or 131. Select one Humanities course from the IAI LIT courses.

Other

*If you elect to transfer to an institution other than SIUE and one that offers Pharmacy, consult with your academic advisor and/or the transfer institution regarding degree program options and course recommendations.

PRE-PHYSICAL THERAPY-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements.** An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 111 (3)

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater THE 113

IAI Mathematics (1 course)

_____ MAT 282 (3)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 (3)

_____ SOC 133 (3)

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

_____ BIO 101(4)

_____ PHY 155 (5)

Additional Associate in Science Degree requirements

(Courses should be applicable to desired major)

_____ BIO 102 (4)

_____ MAT 131 (5)

Transfer Curriculum 000AS0087
Associate in Science: 64 Hours Minimum
Major Code: 1.1 511199E

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 64 hours** for the degree. Students should select elective hours that will allow them to complete this 64 hour requirement.)

_____ PSY 270 (3)

_____ BIO 105 (3) or BIO 205 (4)

_____ PHY 156 (5)

_____ CHM 151 (5) or CHM 141 (4)

_____ CHM 152 (5) or CHM 142 (4)

_____ MAT 108 (4)

_____ MAT 109 (3)

_____ PSY 285 (3)

_____ HIT 217(3)

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

SIUC TRANSFER INFORMATION: Physical Therapy is not a major. Students must satisfy certain course requirements and choose a major in which to earn a baccalaureate degree. Physical Therapy Programs are offered on the doctoral level. Typical undergraduate majors include Biological Sciences/Biomed Track, Physiology, Psychology, Therapeutic Recreation, Kinesiology (Exercise Science).

--BIO 101 and 102. CHM 151 and 152 or 141 and 142. Take PHL 111. MAT 131 (required at UIC and Northwestern). Take PHY 155 and 156. Take BIO 105 or 205. Take PSY 132 and 270 and SOC 133.

Recommendations include HIT 217-Medical Terminology (required by Evansville and Northwestern) and PSY 285.

Current certification in first aid and CPR are required by some schools.

Physical Therapy experiences (40 to 100 hours) of observing, volunteering or working are required to be completed at the time of application. These experiences must be documented by physical therapists licensed in the US. It is recommended that experiences represent different specialties. Opportunities exist in hospitals, nursing homes, Easter Seals, United Cerebral Palsy, March of Dimes, Visiting Nurses Association, health maintenance organizations or standalone physical therapy clinics.

PRE-PHYSICIAN ASSISTANT-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 31-32 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed **do not complete IAI GECC core requirements.** An additional 3 credits of approved Humanities or Fine Arts and 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 282 (3)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 (3)

_____ Social Science Elective (3) _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

_____ BIO 101 (4)

_____ CHM 151 (5)

Transfer Curriculum 000AS0087
Associate in Science: 62 Hours Minimum
Major Code: 1.1 511102R

Additional Associate in Science Degree requirements
(Courses should be applicable to your intended major)

MAT Elective-3 to 5 _____

BIO 205 (4) _____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ HIT 217 (3)

_____ BIO 206 (4)

Credits applicable to intended BS degree:

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

SIUC TRANSFER INFORMATION: Applicants to the seven semester Master of Science Physician Assistant Studies (MSPA) program must hold a **Bachelor's degree from an accredited college or university.**

--Only courses with grades of C or better will be accepted. The prerequisite course GPA, as calculated by SIU, must be at least a 3.2 (A=4.0).

--Take HIT 217 (AH 105), CHM 151 (CHEM 200, 201, 202), PSY 132, BIO 101, 205 and 206. Take MAT 282. Take additional credits (15-17) that are applicable to the intended Bachelor of Science major

--BLS certification in CPR for health care providers is required.

--Applicants should have significant health care experiences, with preference given to candidates with at least 2000 of documented work. This experience should be in conjunction with shadowing a licensed, certified practicing Physician Assistant.

--Applicants must submit test scores from either the GRE or MCAT.

--Applicants need to be proficient in the use of computers and especially with software applications such as Microsoft Word.

--The application process is open once a year and begins on April 22nd.

--Those invited to join the PA program are required to pass a criminal background check through CertifiedBackground.com prior to matriculation.

Pre-Professional Dental, Medicine,

**Optometry, and Podiatry
ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide**

**Transfer Curriculum 000AS0087
Associate in Science: 62 Hours Minimum
Major Code: 1.1 511199B**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term. The degree requirements as listed do **not** complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective (3) _____

_____ PHL 121 (3) _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 282 (3)

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 (3)

_____ SOC 133 (3)

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

_____ BIO 101 (4)

_____ PHY 155 (5)

Additional Associate in Science Degree requirements

(Course should be applicable to the desired major)

_____ BIO 102 (4)

_____ MAT 108 (4)

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement, along with consideration to the Articulation Notes.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ MAT 109 (3)

_____ PHY 156 (5)

_____ PSY 200 (3)

_____ CHM 151 (5)

_____ CHM 152(5)

_____ CHM 201 (5)

_____ CHM 202 (5)

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

SIUC TRANSFER INFORMATION: According to the Health Professions information Office, there are basic course requirements applicable to US Dental, Medicine, Optometry and Podiatry Schools. In addition, some courses are recommended/required to be well prepared for the revised MCAT.

--Take Bio 101 and 102. Take CHM 151, 151, 201 and 202. Take MAT 108 and 109. Take PHY 155 and 156.

--Strongly recommended courses include: MAT 282, PHL 121, PSY 132, SOC 133 and PSY 200

Students will need to declare a major. Popular majors include Physiology, Biological Sciences/Biomed Track, Microbiology and Chemistry. Non Science major students must have a strong science GPA to be competitive.

PRE-VETERINARY MEDICINE-ASSOCIATE IN SCIENCE
Pre-Baccalaureate Program Guide

Transfer Curriculum 000AS0087
Associate in Science: 62 Hours Minimum
Major Code: 1.1 511104B

GENERAL EDUCATION (IAI GECC, 31-32 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

Degree requirements have been revised for new students for the fall 2016 term.

The degree requirements as listed do **not** complete IAI GECC core requirements. An additional 3 credits of approved Humanities or Fine Arts **and** 3 credits of Social Sciences are needed to complete the core. These additional courses may be taken as electives or upon transfer to the four year institution.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (2 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 282 (3) or Math Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (2 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

_____ BIO 101 (4)

_____ PHY 155 (5)

Additional Associate in Science Degree requirements

Courses should be applicable to your intended major)

_____ MAT 108 (4)

_____ BIO 102 (4)

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits **must total a minimum of 62 hours** for the degree. Students should select elective hours that will allow them to complete this 62 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

_____ MAT 109 (3)

_____ CHM 151 (5)

_____ CHM 152 (5)

_____ CHM 201 (5)

_____ PHY 156 (5)

(For the BS in Zoology Pre Veterinary Science option)

In addition, take MAT 282-3 or JRN 201-3. Take CIS 207 or MAT 116-3 or MAT 117-4

ARTICULATION NOTES

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

SIUC TRANSFER INFORMATION: Pre-Veterinary Medicine is not a major at SIUC. Students must choose a major in which to earn a baccalaureate degree. At SIUC, both Zoology and Animal Science offer pre-veterinary medicine tracks.

The SIUC Health Professions Information Office suggests basic course requirements for veterinary medicine include:

--Take BIO 101 and 102. Take CHM 151, 152 and 201. Take MAT 108 and 109. Take PHY 155 and 156.

--Depth and breadth of experiences with animals, including working for and/or observing a veterinarian, is essential. Consider observing at a veterinarian's office, working as a kennel care giver or assistant, volunteering at a wildlife refuge and animal shelter. You may need a letter of recommendation and documentation of related experiences.

For the Bachelor of Science in Zoology-Pre-Veterinary Science specialization, take MAT 282 or JRN 201 to satisfy the Supportive Skills requirement, Take CIS 207 or MAT 116 or MAT 117 to satisfy a degree requirement.

PSYCHOLOGY -ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ PHL 121 or Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211,212,231,232,235,264,280,281,284,295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 120 or 282 (3) _____

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 (Recommended in the first semester)

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics..... ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology..... SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credits hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

IAI Physical Science Electives:

Chemistry..... CHM 141, 151

Interdisciplinary PHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

Transfer Curriculum 000AA0086

Associate in Arts: 64 Hours

Major Code: 1.1 420101A

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 and PHS 111, SCI 210A and SCI 210B

Physical Geography.....GEO 215

MAJOR AND GENERAL ELECTIVE REQUIREMENTS-27 Hours (IAI GECC and major/elective credits must total 64 hours for the degree.)

Please select courses on this guide in accordance with the Articulation Notes. Students planning to transfer to other four-year universities not listed in the Articulation Notes may consult Transferology, located at this web address: <https://www.transferology.com/state/il?all>.

_____ PSY 200 (3)

_____ PSY 270 (3)

_____ PSY 203 (3) or Elective _____

_____ PSY 262(3) or Elective _____

_____ PSY 285 (3) or Elective _____

_____ Foreign Language (8)

_____ MAT 116 (3) or Elective _____ MAT 131 (5) or Elective

ARTICULATION NOTES:

Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major.

IAI PSYCHOLOGY MAJOR PANEL: Take PSY 132 as IAI GECC credit. Attempt to complete this the first semester since it is a pre-requisite for other PSY courses. Take PSY 200 and 270 as Core Course requirements. Take PSY 262 or 203 as an additional recommendation. Panel suggests taking only PSY 132 as IAI GECC credit. Other PSY courses should be considered as Major or General Elective credits. MAT 120 or 282 is recommended for GECC Math. MAT 116 and/or 131 is also recommended.

SIUC TRANSFER INFORMATION: Take PSY 132. Up to five PSY prefix course can be used to meet degree requirements, including PSY 132 as one of five. Psychology Electives requirement consists of 10 courses selected among four groupings. For Group A, select only four courses from PSY 200 (PSYC 307), 203 (PSYC 303), 262 (PSYC 301), 285 (PSYC 305) or 270 (PSYC 331). For Group D, take MAT 282 or MAT 120 (MATH 282). Also take MAT 108 or 111 or 113 or 116.

--Take a two course sequence or one year of a foreign language to meet a College of Liberal Arts requirement. SPN, GER, FRE and IPP (141-142) sequences qualify. The College of Liberal Arts also requires two courses that satisfy an international coursework requirement. Courses that satisfy this requirement can also be used to satisfy certain IAI GECC requirements. HIS 101 and 102 are considered IAI GECC Humanities courses. ART 220 is a GECC Fine Arts course. ANT 111, 216, GEO 112, HIS 103, 104, PSC 289 and SOC 263 are GECC Social and Behavioral Science courses.

--A Parent Training Specialization is also offered under Psychology.

SIUE TRANSFER INFORMATION: Offers both a B.A and B.S degree programs. Take PSY 132, 200 and 203 or 262. PHL 121 is recommended. MAT 113 or 131 is recommended. MAT 282 (STAT 244) or 120 (STAT 107) may be helpful. For the B.A. only, take a two course sequence or one year of a foreign language.

EIU TRANSFER INFORMATION: Take PSY 132 (C or higher grade required). For the Group A requirement, select two from PSY 205 (or 285), 270 and 200.

For the Group D requirement, select PSY 262 or 203. Take MAT 120. Take a two course sequence or one year of a foreign language. Two full years of a foreign language with grades of "C" or higher in high school will meet the foreign language requirement.

ISU TRANSFER INFORMATION: Take MAT 116 or 117 or 111 or 131. Take PHL 101 or 111. Take PSY 132, 200 and 205. MAT 120 or BUS 121 may be helpful.

All B.A. degree programs require successful completion of a Foreign Language through the third course (LAN 115) or the first intermediate course. All B.S. degree programs require successful completion of a SMT course selected from BIO 226, 240, 275, CHM 142, 152, 201, PHS 107, MAT 117, 201, 202, 125, 221, BUS 121, PHY 156 or 206. All degrees under the College of Liberal Arts requires successful completion of a two course sequence or one year of a foreign language.

SOCIAL WORK-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 120, 282, or Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSC 131 or Social Science Elective _____

_____ PSY 132 or Social Science Elective _____

_____ ECO 201, 202, or Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ BIO 100 or Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AA0087
Associate in Arts: 62 Hours Minimum
Major Code: 1.1 440701B

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography.... GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ SOCW 275

_____ SOC 133 or Elective _____

_____ ANT 240 or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

SIUC TRANSFER INFORMATION: Foreign language is not required. Students must have at least a 2.5 grade point average for admission to the program. MAT 120 or 282, ANT 240, SOC 133, PSC 131, PSY 132, ECO 201 or 202, and SOCW 275 are required. PHL 111 or PHL 121 is recommended. It is also recommended that students use elective hours to pursue a minor field such as Africana Studies, Gender Studies, Child and Family Services, Criminal Justice, or other related field.

SIUE TRANSFER INFORMATION: PHL 121 and PHL 111, 131, or 260 are required. ANT 216, ECO 201, PSY 200, HIS 202, BIO 100, PSY 132 and PSC 131 are also required. Additionally, two semesters of a single foreign language are required.

ISU TRANSFER INFORMATION: SOCW 275, SOC 133, ECO 201 or 202, and PSY 132 are required. Twelve credits in a select group of General Education courses are also required. Acceptable credits include: BIO 100 or 101, PSC 131, and MAT 120 or BUS 121. ANT 216 will count as major elective credit. Two semesters of a single foreign language are required. Successful completion of SPN 201, FRE 201, or GER 201 will satisfy the LAN 115 degree requirement for BSW candidates. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement.

SOCIOLOGY-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 120, 116, or Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ SOC 133

_____ ANT 111, 216 or Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hours Minimum
Major Code: 1.1 451101A

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 64 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ SOC 215 or Elective _____

_____ SOC 263 or Elective _____

_____ SOC 264 or Elective _____

_____ Foreign Language I or Elective _____

_____ Foreign Language II or Elective _____

_____ Elective _____ Elective _____

_____ Elective _____ Elective _____

IAI PSYCHOLOGY MAJOR INFORMATION: SOC 133, 215, 263, and 264 are recommended courses for the IAI major panel.

SIUC TRANSFER INFORMATION: SOC 133 is required. SOC 263 will count as a 300 level major course for the degree. Students should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement in the College of Liberal Arts. Two semesters of the same foreign language are also required, IPP 141 and 142 may be used to satisfy this requirement.

SIUE TRANSFER INFORMATION: SOC 133 is required. Students may select two courses from SOC 215, 263 and 264 to count as required elective hours for the major. A grade of "C" or higher is required in all transfer sociology courses. PHL 121 is recommended. Two semesters of the same foreign language is only required for the B.A. degree. The B.S. degree does not require foreign language. A specialization in Employee Relations is also offered.

EIU TRANSFER INFORMATION: SOC 133 and ANT 111 or 216 are required. Approved sociology electives include SOC 215, 263, SOCW 275, and CRJ 103. Two semesters of the same foreign language are required (two years of a single language in high school with a grade of "C" or higher will also satisfy this requirement).

ISU TRANSFER INFORMATION: SOC 133 and 264 are required. Approved electives include SOC 215 and 263. Two courses from ANT 111, 202, 216, and 240 are also required. HUM 152 will count as a major elective. For the B.S. degree, two semesters of the same foreign language are required (three years of the same language in high school with a grade of "C" or higher will satisfy this requirement). The B.A. degree requires three semesters of the same foreign language. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.

SPECIAL EDUCATION-ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

Literature LIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ MAT 209 (3)

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ PSY 132 or Social Science Elective _____

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses) 7-8 hours

One course must be at least 4 credit hours and include a lab component.

_____ SCI 210A or Physical Science Elective _____

_____ SCI 210B or Life Science Elective _____

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography... GEO 215

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hours Minimum
Major Code: 1.1 131001A

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS 25+

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the transfer requirements for your transfer institution. Please note that not all electives listed are required to complete this degree. Hours must total 62 hours minimum.

_____ MAT 208 (3)

_____ CIS 207 or Elective (3) _____

_____ HTH 110 or Elective (2) _____

_____ EDC 202 or Elective (3) _____

_____ EDC 203 or Elective (3) _____

_____ EDC 208 or Elective (3) _____

_____ Non-Western Civilization/Culture Course (3) Select one of the following as GECC credit (ANT 202, 216, GEO 112, HIS 103,104,213, PHL 200, 260, or PSC 213)

_____ Elective _____

_____ Elective _____

Articulation Notes:

Consult with your Academic Advisor and/or your transfer institution to assess if any courses required for your major require a grade of "C" or higher. Some courses may require a prerequisite. Requirements and recommendations may include courses that should be used to fulfill GECC requirements.

TEACHER EDUCATION PROGRAM: To be considered for admission into a formal Teacher Education Program:

Must meet the minimum grade point average required for consideration into the major and/or Professional Education Program. This grade point average is typically at 2.5 but may be higher depending on the institution and program option selected. SIUC requires a minimum grade point average of 2.75. In addition, a minimum grade of "C" or higher may be required in selected courses within the degree program.

Must have an official score report showing a qualifying score on the TAP, ACT plus Writing or SAT when submitting an application for consideration for admission into a formal Teacher Education Program. Helpful tips for applying to a Teacher Education Program may be found here:

https://www.ialc.edu/files/uploads/global/catalog/pdfs/tips_for_ed_majors.pdf

SIUC TRANSFER INFORMATION: --Take PSY 132, MAT 208, MAT 209, CIS 207, EDC 203, EDC 202 and EDC 208 or PSY 265.

To satisfy a non-western civilization/third world culture course requirement, select from ANT 111, 216, GEO 112, HIS 103, 104, 213. PHL 200 or 260.

SIUE TRANSFER INFORMATION: -- Take PSY 132, HIS 201, 202, PSC 131, SCI 210A, 210B, MAT 208,209, PSY 265 and EDC 203. Course recommendations include HTH 110, MUS 105 or ART 111, PHL 121, HIS 103 or 104.

EIU TRANSFER INFORMATION: --Take PSC 131-3, CPS 111-3, EDC 200/202, MAT 208, MAT 209 and EDC 203.

To satisfy a non-western Civilization/Third World Culture course requirement, select from ANT 111, 216, GEO 112, HIS 103, 104, 213, PHL 200,260, PSC 212 or 213.

One year or two course sequence of a foreign language is required. Students are exempt with two full years of a single language with grades of C or better in high school. If you are seeking dual certification with Elementary Education or Early Childhood Education, MAT 108 is required as well as MAT 120 or MAT 282, BIO 100 or BIO 101, PHY 155, CHM 151 and PHS 103 or PHS 220.

ISU TRANSFER INFORMATION: Take EDC 208 or PSY 265, EDC 202 or PSY 262 to satisfy select core courses required for all sequences (Deaf and Hard of Hearing, Learning and Behavior, Low Vision and Blindness)

A Global Studies course is required as a general graduation requirement. Select from: ANT 111, 216, GEO 112, HIS 103, 104, HUM 120, PHL 200, 260, PSC 120, or PSC 212 .

All B.S degree programs require successful completion of a SMT course. Select from: BIO 226, 240,275, CHM 142, 152, 201, PHS 107, MAT117, 201, 202, 125, 221, BUS 121, PHY 156 or 206.

**SPEECH COMMUNICATION -ASSOCIATE IN ARTS
Pre-Baccalaureate Program Guide**

GENERAL EDUCATION (IAI GECC, 37-38 credits)

The Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) requires 12 to 13 courses. Courses selected to meet IAI GECC requirements may also meet course requirements for a specific major.

IAI Communications: (3 courses)

_____ ENG 101 or ENG 113 (C grade or higher)

_____ ENG 102 (C grade or higher)

_____ SPE 115 Speech

IAI Humanities and Fine Arts (3 courses)

At least one course must be an IAI Fine Arts elective and one course must be an IAI Humanities elective.

_____ Fine Arts Elective _____

_____ Humanities Elective _____

_____ Humanities or Fine Arts Elective _____

IAI Fine Arts Electives:

Art ART 111, 220, 221, 291

LiteratureLIT 275

Music MUS 105, 225

Theater..... THE 113

IAI Humanities Electives:

Foreign Language..... FRE 202, GER 202, SPN 202

History..... HIS 101, 102, 213

Literature..... LIT 211, 212, 231, 232, 235, 264, 280, 281, 284, 295

Philosophy..... PHL 111, 121, 131, 200, 260

IAI Mathematics (1 course)

_____ Mathematics Elective _____

IAI Mathematics Electives:

MAT 113, MAT 116, MAT 117, MAT 120, MAT 125/CPS 202, MAT 131, MAT 201, MAT 202, MAT 282

IAI Social and Behavioral Sciences (3 courses)

At least two different disciplines (course prefixes) must be represented.

_____ Social Science Elective _____

_____ Social Science Elective _____

_____ Social Science Elective _____

IAI Social and Behavioral Sciences Electives:

Anthropology ANT 111, 202, 216, 240

Economics ECO 201, 202

Geography GEO 112

History HIS 103, 104, 201, 202

Political Science PSC 131, 211, 212, 213, 289

Psychology PSY 132, 200, 203, 262

Sociology SOC 133, 215, 263, 264

IAI Physical/Life Sciences (2 courses)

One course must be at least 4 credit hours and include a lab component.

_____ Life Science Elective _____

_____ Physical Science Elective _____

**Transfer Curriculum 000AA0086
Associate in Arts: 62 Hours Minimum
Major Code: 1.1 090101A**

IAI Life Science Electives:

Biology BIO 100, 101, 105, 110, 115, 120, 225

Interdisciplinary PHS 101 with PHS 111

Physical Geography.... GEO 215

IAI Physical Science Electives:

Chemistry CHM 141, 151

Interdisciplinary PHS 101 with PHS 111

Physical Science PHS 102,103,105,107,108, 220

Physics PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 62 hours for the degree.) Consult with the transfer institution to assess if certain courses require a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select courses on this guide in accordance with the Articulation Notes for your transfer institution.

_____ SPE 116

_____ Foreign Language I or Elective _____

_____ Foreign Language II or Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

_____ Elective _____

SIUC TRANSFER INFORMATION: SPE 115 and 116 are required. Students should select two courses from ANT 111, ANT 216, ART 220, ART 221, ART 223, ECO 150I, GEO 112, GEO 215, HIS 101, HIS 102, HIS 103, HIS 104, HIS 112, HIS 213, PHL 200, PSC 212, PSC 289, and/or SOC 263 to satisfy the International Coursework requirement in the College of Liberal Arts. The College of Liberal Arts also requires two semesters of the same foreign language. IPP 141 and 142 may be used to satisfy the language requirement.

SIUE TRANSFER INFORMATION: SPE 115 and 116 are required. Students pursuing the B.A. degree are required to take two semesters of the same foreign language.

EIU TRANSFER INFORMATION: SPE 115 and 116 are required. Foreign language is not required.

ISU TRANSFER INFORMATION: SPE 115 and 116 are required. . Students pursuing a B.A. degree must complete three semesters of the same foreign language. The B.S. Degree requires two semesters of the same language (three years of the same language in high school with a grade of "C" or higher will satisfy this requirement). IPP 141 and 142 may be used for the language requirement. Students should select one course from ANT 111, ANT 216, GEO 112, HIS 103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ACC 200 Financial Accounting I	3	___
CIS 101 Introduction to Computers OR CIS 207 Computer Applications	3	___
ENG 101 English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	___
MAT 113 Introduction to Contemporary Mathematics OR MAT 108 College Algebra ²	4	___
IAI Humanities/Fine Arts Elective OR IAI Physical/Life Science Elective	<u>3</u> 16	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ACC 105 Payroll Accounting	3	___
ACC 201 Financial Accounting II	3	___
BUS 111 Business Mathematics	3	___
CIS 105 Current Operating Systems/Security	3	___
PSC 131 American Government	<u>3</u> 15	___

Fall Only Courses:

ACC 218

Spring Only Courses:

ACC 105 CIS 105
ACC 225
CIS 220
MGT 112

¹ Requires a grade of "C" or higher.

² Transferring students will need to take MAT 108.

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ACC 202 Managerial Accounting	3	___
ACC 218 Tax Accounting	3	___
CIS 104 Spreadsheet Design	3	___
ECO 201 Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	___
SPE 115 Speech OR SPE 116 Interpersonal Communication	<u>3</u> 15	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ACC 225 Integrated Accounting on Computers	3	___
BUS 222 Legal and Social Environment of Business	3	___
BUS 235 Business Correspondence	3	___
CIS 220 Advanced Spreadsheet Design	3	___
MGT 112 Principles of Management	<u>3</u> 15	___

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: This is a two-year accounting program designed to meet the needs of modern business and industry. Courses in the curriculum are aimed at developing habits of critical and logical thinking, as well as the ability to analyze, record, and interpret accounting data. Completion of the program leads to the Associate in Applied Science degree.

Career Opportunities: bookkeeper, professional tax preparer, accounting assistant, accounting clerk.

*John A. Logan College reserves the right to modify this curriculum guide as needed.
Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Spring 2017



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
BUS 110 Introduction to Business	3	___
BUS 116 Keyboarding I ¹	3	___
BUS 135 Office Language Skills	3	___
BUS 255 Customer Service	3	___
CIS 101 Introduction to Computers OR CIS 207 Computer Applications	<u>3</u> 15	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ACC 100 Business Accounting OR ACC 200 Financial Accounting I	3	___
HIT 217 Medical Terminology	3	___
BUS 282 Legal Terminology	3	___
CIS 110 Introduction to Word Processing	2	___
CIS 120 Database Management	3	___
CIS 210 Presentation Graphics	2	___
SPE 115 Speech OR SPE 116 Interpersonal Communication	<u>3</u> 19	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
BUS 117 Keyboarding II ¹	3	___
BUS 222 Legal and Social Environment of Business	3	___
BUS 235 Business Correspondence	3	___
CIS 105 Current Operating Systems/Security	3	___
MAT 113 Introduction to Contemporary Mathematics OR BUS 111 Business Mathematics	3	___
MGT 112 Principles of Management	<u>3</u> 18	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
BUS 237 Office Procedures	3	___
CIS 104 Spreadsheet Design	3	___
ECO 201 Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	___
ENG 101 English Composition I ² OR ENG 113 Professional Technical Writing ²	3	___
IAI Humanities and Fine Arts Elective ³	<u>3</u> 15	___

Fall Only Courses: Spring Only Courses:
 BUS 255 BUS 117
 BUS 282 BUS 237
 CIS 105
 MGT 112

¹ Proficiency exams are available for BUS 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) and BUS 117 (requiring 55 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Department for information.

² Requires a grade of "C" or higher.

³ Preferred IAI Humanities and Fine Arts electives: LIT 235, LIT 280, PHL 121, SPE 113.

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: administrative assistant to executives and professionals in legal, medical and technical areas, civil service positions, data entry clerk, receptionist, secretary, executive secretary.

*John A. Logan College reserves the right to modify this curriculum guide as needed.
Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: SPRING 2017



FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ANT	216	Cultural Anthropology	3	___
ENG	101	English Composition I	3	___
IPP	111	Non-Verbal Language	3	___
IPP	141	American Sign Language (ASL I) ^{1,2}	4	___
MAT	113	Introduction to Contemporary Mathematics* OR	<u>3</u>	___
		BUS 111 Business Mathematics	16	___

SECOND YEAR – FALL SEMESTER*

Dept.	No.		Hrs.	Gr.
IPP	143	American Sign Language (ASL III) ¹	5	___
IPP	211	ASL Linguistics I	3	___
IPP	240	Fingerspelling and Numbers I	1	___
IPP	278	ASL Vocabulary Building I	3	___
PSY	132	General Psychology	3	___
SPE	115	Speech OR	<u>3</u>	___
		SPE 116 Interpersonal Communication	18	___

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
BIO	100	Biology for Non-Science Majors	3	___
IPP	142	American Sign Language (ASL II) ^{1,2}	4	___
IPP	144	ASL Classifiers	3	___
IPP	151	Deaf Studies/Culture	3	___
SOC	215	Diversity in American Life	<u>3</u>	___
			16	___

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
HIS	201	United States History I OR	3	___
		HIS 202 United States History II OR		
		PSC 131 American Government		
IPP	212	ASL Linguistics II	3	___
IPP	241	Fingerspelling and Numbers II	1	___
IPP	244	ASL IV–Survey of ASL Literature ¹	4	___
IPP	279	ASL Vocabulary Building II	<u>3</u>	___
			14	___

* Or any higher math course.

¹ A grade of “C” or higher is required in:

- IPP 141 American Sign Language (ASL I)
- IPP 142 American Sign Language (ASL II)
- IPP 143 American Sign Language (ASL III)
- IPP 244 ASL IV–Survey of ASL Literature

² Competency in American Sign Language communication (“C” or better in IPP 141 and 142) must be achieved before starting second year of classes.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Teachers assistant, tutor deaf and hard of hearing children and provide other support services for deaf and hard of hearing children, work as job coaches for deaf and hard of hearing adults, or work in any situation where skill in American Sign Language is required.

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Effective Date: Spring 2012



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ANT 216 Cultural Anthropology OR SOC 215 Diversity in American Life	3	___
ENG 101 English Composition I ¹	3	___
IPP 111 Non-Verbal Language	3	___
PSC 131 American Government OR HIS 201 United States History I ² OR HIS 202 United States History II	<u>3</u> 12	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
IPP 143 American Sign Language (ASL III)	5	___
IPP 211 ASL Linguistics I	3	___
IPP 222 Interpreting ASL-English	4	___
IPP 231 Interpreting I	4	___
IPP 240 Fingerspelling and Numbers I	<u>1</u> 17	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
BIO 100 Biology for Non-Science Majors	3	___
IPP 142 American Sign Language (ASL II) ¹	4	___
IPP 151 Deaf Studies/Culture	3	___
IPP 201 Introduction to Interpreting	3	___
MAT 113 Introduction to Contemporary Mathematics ³ OR BUS 111 Business Mathematics	<u>3</u> 16	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ALH 101 Cardiopulmonary Resuscitation	1	___
IPP 212 ASL Linguistics II	3	___
IPP 223 Introduction to Transliterating	3	___
IPP 241 Fingerspelling and Numbers II	1	___
IPP 250 Field Experience	3	___
IPP 251 Interpreting II	<u>4</u> 15	___

FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Sem.
PSY 132 General Psychology	3	___
SPE 115 Speech	<u>3</u> 6	___

* Please note that IPP 141 is a prerequisite for program admission.

¹ Requires a grade of "C" or higher.
Competency in American Sign Language communication ("C" or better in IPP 141 and 142) must be achieved before starting second year of classes.

² Students transferring to SIU-C should take History.

³ Students transferring to SIU-C should take MAT 113.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Graduates of this program could work as interpreters in the community, in colleges, Vocational Rehabilitation interpreting for employment training and job coaching, recreational activities and entertainment, and other places that interpreters are needed such as the public school system, they can tutor deaf and hard of hearing children, and provide other support services for deaf and hard of hearing children.

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Effective Date: Fall 2008



FIRST YEAR - FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ACT	190	Auto Body Repair I	2	___
ACT	191	Metal Finishing and Painting	2	___
ACT	196	Auto Body Lab	5	___
MAT	113	Introduction to Contemporary Mathematics OR	3-4	___
		MAT 100 Mathematics for Applied Technologies		
		MAT 105 Vocational Mathematics OR		
		MAT 120 Elementary Statistics		
WEL	150	Oxy-Acetylene Fusion Welding I	1	___
WEL	160	M.I.G. Welding	2	___
WEL	196	M.I.G. Welding -- Aluminum	<u>1</u>	___
			16-17	

FIRST YEAR - SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ACT	192	Frame and Body Alignment	2	___
ACT	193	Advanced Auto Body Repair	1	___
ACT	194	Body Shop Management	1	___
ACT	197	Auto Body Repair and Paint Lab II	5	___
ACT	273	Chassis Electrical	3	___
ENG	101	English Composition I ¹ OR	<u>3</u>	___
		ENG 113 Professional Technical Writing ¹	15	

FIRST YEAR - SUMMER SEMESTER

Dept.	No.		Hrs.	Gr.
ACT	293	Structural Damage Repair	1	___
ACT	296	Structural Damage Repair Lab	<u>4</u>	___
			5	

¹ Requires a grade of "C" or higher.

² Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

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Career Opportunities: Repair technician, insurance assessor, detailer, customer service manager.

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Effective Date: Spring 2015



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
AST 170 Engine Repair	4	___
AST 172 Introduction to Automotive Services	2	___
AST 173 Braking Systems	4	___
AST 180A Basic Electrical Systems	2	___
IND 138 Industrial Seminar	1	___
MAT 113 Introduction to Contemporary Mathematics OR	3	___
MAT 100 Mathematics for Applied Technologies OR	16	___
MAT 105 Vocational Mathematics OR		
MAT 120 Elementary Statistics		

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
AST 171A Ignition Systems	4	___
AST 171B Fuel and Exhaust Systems	4	___
AST 180B Starting and Charging Systems	2	___
AST 180C Electrical Accessories	2	___
ENG 101 English Composition I ¹ OR	3	___
ENG 113 Professional Technical Writing ¹		
PSY 110 College Success and Career Planning OR	3	___
ATI 200 Applied Technologies Internship (Summer only)	18	___

¹ Requires a grade of "C" or higher.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

All students registered for Automotive Services Technology classes will be required to furnish a basic tool set. The set includes the following:

Drive Sockets (1/4" sq.)

- (10) 6-pt. Standard (5/32" through 1/2")
- (10) 6-pt. Metric (4, 5, 5.5, 6 through 12 mm)
- (1) Quick Release Ratchet
- (1) Extension

Drive Sockets (3/8" sq.)

- (9) 6-pt. or 12-pt. Standard (3/8" through 7/8")
- (10) 6-pt. or 12-pt. Metric (10mm through 19mm)
- (1) Ratchet
- (1) Extension (3"), (1) Extension (6")

Drive Sockets (1/2" sq.)

- (4) 6-pt. or 12-pt. Standard (15/16", 1", 1 1/16", 1 1/8")
- (4) 6-pt. or 12-pt. Metric (21mm, 22mm, 24mm, 27mm)
- (1) Ratchet
- (1) Extension (3")

Wrenches (combination)

- (7) Standard (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
- (7) Metric (10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm)

Screwdrivers

- (2) Slotted (1 small, 1 large)
- (2) Phillips (1 small, 1 large)

Pliers

- (1) Slip Joint Pliers
- (1) Diagonal Cutting

Additional Tools

- (1) Hammer
- (1) Locking Tool Box

Additional Information: Principles of design and operation provide for an exact appreciation of the functions of automotive units. Coordinated laboratory work develops the ability to execute diagnostic tests and complete the repairs that are indicated. The curriculum prepares students for employment as line mechanics, diagnostic technicians, and industrial maintenance personnel, as well as shop managers, company technicians, factory representatives, or teachers.

Career Opportunities: Line mechanic, diagnostic technician, factory representative, factory technician, self-employment, automotive technician at dealerships, independent garages, automotive specialty shops, and parts-related businesses.

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Effective Date: Spring 2015



FIRST SEMESTER – FALL

Dept. No.		Hrs.	Gr.
General Education Courses			
IND 138	Industrial Seminar	1	___
MAT 113	Introduction to Contemporary Mathematics OR	3	___
	MAT 100 Mathematics for Applied Technologies OR		
	MAT 105 Vocational Mathematics OR		
	MAT 120 Elementary Statistics		
Automotive Courses			
First Half			
AST 172	Introduction to Automotive Services	2	___
AST 173	Braking Systems	4	___
Second Half			
AST 170	Engine Repair	4	___
AST 180A	Basic Electrical Systems	<u>2</u>	___
		16	

SECOND SEMESTER – SPRING

Dept. No.		Hrs.	Gr.
General Education Courses			
ENG 101	English Composition I ¹ OR	3	___
	ENG 113 Professional Technical Writing ¹		
PSY 110	College Success and Career Planning OR	3	___
	ATI 200 Applied Technologies Internship (Summer only)		
Automotive Courses			
First Half			
AST 171A	Ignition Systems	4	___
AST 180B	Starting and Charging Systems	2	___
Second Half			
AST 171B	Fuel and Exhaust Systems	4	___
AST 180C	Electrical Accessories	<u>2</u>	___
		18	

¹ Requires a grade of "C" or higher.

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THIRD SEMESTER – FALL

Dept. No.		Hrs.	Gr.
General Education Courses			
CIS 101	Introduction to Computers	3	___
SPE 115	Speech OR	3	___
	SPE 116 Interpersonal Communication		
Automotive Courses			
First Half			
AST 200	Alternative Fuels	2	___
AST 280	Air Conditioning	4	___
Second Half			
AST 273	Automotive Computer Electronics	2	___
AST 281	Suspension and Steering	<u>4</u>	___
		18	

FOURTH SEMESTER – SPRING

Dept. No.		Hrs.	Gr.
General Education Courses			
PHY 121	Technical Physics - Mechanical	3	___
PSY 132	General Psychology	3	___
Automotive Courses			
First Half			
AST 270	Manual Drive Trains and Axles	4	___
AST 276	Emission Control Systems	2	___
Second Half			
AST 271	Automatic Transmissions/Transaxles	4	___
AST 279	ASE Testing	<u>2</u>	___
		18	

All students registered for Automotive Services Technology classes will be required to furnish a basic tool set. The set includes the following:

Drive Sockets (1/4" sq.)

- (10) 6-pt Standard (5/32" through 1/2")
- (10) 6-pt. Metric (4, 5, 5.5, 6 through 12 mm)
- (1) Quick Release Ratchet
- (1) Extension

Drive Sockets (3/8" sq.)

- (9) 6-pt. or 12-pt. Standard (3/8" through 7/8")
- (10) 6-pt. or 12-pt. Metric (10mm through 19mm)
- (1) Ratchet
- (1) Extension (3")
- (1) Extension (6")

Drive Sockets (1/2" sq.)

- (4) 6-pt. or 12-pt. Standard (15/16", 1", 1 1/16", 1 1/8")
- (4) 6-pt. or 12-pt. Metric (21mm, 22mm, 24mm, 27mm)
- (1) Ratchet
- (1) Extension (3")

Wrenches (combination)

- (7) Standard (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
- (7) Metric (10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm)

Screwdrivers

- (2) Slotted (1 small, 1 large)
- (2) Phillips (1 small, 1 large)

Pliers

- (1) Slip Joint Pliers
- (1) Diagonal Cutting

Additional Tools

- (1) Hammer
- (1) Locking Tool

Additional Information: Principles of design and operation provide for an exact appreciation of the functions of automotive units. Coordinated laboratory work develops the ability to execute diagnostic tests and complete the repairs that are indicated. The curriculum prepares students for employment as line mechanics, diagnostic technicians, and industrial maintenance personnel, as well as shop managers, company technicians, factory representatives, or teachers.

Career Opportunities: Line mechanic, diagnostic technician, factory representative, factory technician, self-employment, automotive technician at dealerships, independent garages, automotive specialty shops, and parts-related businesses.

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FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
BUS	110	Introduction to Business	3	___
CIS	101	Introduction to Computers	3	___
CIS	200	Network Essentials	3	___
CIS	206	Managing Network Environment I	3	___
MAT	113	Introduction to Contemporary Mathematics OR	3	___
		BUS 111 Business Mathematics ⁴	15	___

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
CIS	104	Spreadsheet Design	3	___
CIS	216	Cloud Technology ³	3	___
CIS	225	Advanced Database Management ³	3	___
CPS	176	Introduction to Computer Programming ³	4	___
ENG	101	English Composition I ¹ OR	3	___
		ENG 113 Professional Technical Writing ¹	16	___

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ACC	100	Business Accounting OR	3	___
		ACC 200 Financial Accounting I		
CIS	120	Database Management	3	___
CIS	208	Security Awareness	3	___
CIS	209	Introduction to Cyber Crimes	3	___
CIS	230	Operating Systems	3	___
PHL	121	Introduction to Logic	3	___
			18	___

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
CIS	220	Advanced Spreadsheet Design ³	3	___
CIS	231	VPNs and Firewalls	3	___
ECO	201	Introduction to Macroeconomics OR	3	___
		ECO 202 Introduction to Microeconomics		
SPE	115	Speech OR SPE 116 Speech Interpersonal Communication	3	___
		Elective ²	3	___
			15	___

Fall Only Courses:

CIS 200 CIS 216
CIS 206 CIS 225

Spring Only Courses:

CIS 208 CIS 230
CIS 209 CIS 231
CIS 220

*BUS 115 or equivalent is a recommended prerequisite for this program. Students who do not meet prerequisite should take BUS 115 their first semester of enrollment.

Students planning to capstone with SIU should follow the appropriate capstone curriculum guide.

¹Requires a grade of “C” or higher.

²Students may choose electives from the following classes: CIS 213 Penetration Testing OR ELT 218 Introduction to Network Technologies

³These courses have a prerequisite.

⁴Or any higher level MAT course

The Computer Information Systems AAS (CIS 0400) is the parent program to:

- Computer Information Systems Certificate (CIS 0401)
- Computer Networking (CIS 1206)

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Career Opportunities: This degree is for students that want to work in a computer environment and work with the computer applications as well as administer a network. This degree will concentrate more on computer applications and networking than on business office practices. Preparation for MOS certifications can be obtained through this degree. This degree will also capstone to SIU through Information Systems Technologies and Health Care Management.

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FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CIS 101 Introduction to Computers	3	___
CIS 200 Network Essentials	3	___
CRJ 103 Introduction to Criminal Justice	3	___
CRJ 105 Criminal Behavior	3	___
MAT 113 Introduction to Contemporary Mathematics ³	3	___
CIS 206* Managing Network Environment I	<u>3</u>	___
	18	

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CIS 216 Cloud Technology ¹	3	___
CIS 219 Ethical Hacking ¹	3	___
CRJ 209 Criminal Law	3	___
ELT 214 A+ Preparation IT Technician	3	___
CIS 229 Digital Forensics ¹	<u>3</u>	___
	15	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 208 Security Awareness	3	___
CIS 209 Introduction to Cybercrimes	3	___
CIS 230 Operating Systems	3	___
CPS 176 Intro to Computer Programming ¹	4	___
PHL 121 Introduction to Logic	<u>3</u>	___
	16	

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 213 Penetration Testing ¹	3	___
CIS 231 VPNs and Firewalls	3	___
CRJ 219 Criminal Procedure	3	___
ELT 218 Intro to Network Technologies ¹	3	___
SPE 115 Speech OR SPE 116 Speech Interpersonal Communication	<u>3</u>	___
	15	

FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
ENG 101 English Composition I OR ENG 113 Professional Technical Writing	3	___
IAI Social & Behavioral Science Elective ²	<u>3</u>	___
	6	

Fall Only Courses:

CIS 200
CIS 206
CIS 216
CIS 219

Spring Only Courses:

CIS 208
CIS 209
ELT 218
CIS 230

*Students must maintain a grade of "C" or higher in all courses.

* CIS 206 may be taken concurrently with CIS 200.

¹ These courses have a prerequisite.

² PSY 132 is recommended.

³ Or any higher level MAT course

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: This degree is for students that want to work in a computer forensics environment with electronic devices that may hold evidence that could be used in a court of law. The extent of the analyses could be as simple as a personal computer or as complex as a main server for a large corporation. Preparation for COMPTIA certifications can be obtained through this degree. Graduates will be qualified for careers in computer forensics in federal, state and local agencies, law enforcement organizations, and in the private sector.

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FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CMG 100 Construction Orientation	1	___
CMG 104 Building Layout	4	___
CMG 110 Wood Frame Construction	4	___
ENG 101 English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	___
MAT 113 Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies	<u>3</u> 15	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CMG 105 Estimating Techniques	3	___
CMG 107 Construction Document Interpretation	3	___
CMG 108 Construction Materials	4	___
CMG 111 Exterior and Interior Finish Systems	3	___
PSY 132 General Psychology	3	___
Business Elective ²	<u>3</u> 19	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CMG 208 Processes in Estimating	3	___
CMG 211 Commercial Construction	3	___
CMG 215 Green Building in the 21 st Century	3	___
CMG 220 Construction Scheduling	3	___
CMG 222 Business Management for Home Builder	3	___
PHY 121 Technical Physics	<u>3</u> 18	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CMG 207 Construction Management	3	___
CMG 209 Environmental Systems	3	___
CMG 212 Construction Administration	2	___
CMG 221 Land Development	3	___
CMG 226 Statics for Structures	3	___
SPE 115 Speech OR SPE 116 Interpersonal Communication	<u>3</u> 17	___

OPTIONAL

Dept. No.	Hrs.	Gr.
ATI 200 Applied Technologies Internship ³	1-3	___

¹ Must be completed with a "C" or higher.

² Business Electives: ACC 100, ACC 200, BUS 110, BUS 222, CIS 101, ECO 201, ECO 202

³ Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

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Additional Information: Students interested in or pursuing an Associate in Applied Science (AAS) degree should investigate the Capstone Option and participating majors at SIUC. Individuals who apply and are approved for a degree program under Capstone are able to earn a bachelor's degree in just 60 semester credits beyond the AAS degree. The general education or University Core Curriculum requirement for majors under Capstone is set at 30 semester credits rather than 41.

One of the Capstone options available to Construction Management Technology degree holders is a major in Technical Resource Management (TRM) which can lead to a bachelor's degree with an emphasis in Construction Management.

For Capstone Option consideration and approval, candidates must submit a Capstone Option application along the Undergraduate Admission application, must earn the AAS degree and must have an earned GPA of at least 2.5 (A= 4.0). Approval means that you can complete bachelor degree requirements in just 60 planned semester credits beyond the AAS degree.

Career Opportunities: Cost engineer; field engineer; project coordinator; construction manager; project manager; office engineer; scheduler; estimator; safety inspector.

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Effective Date: Spring 2017



FIRST YEAR - FALL SEMESTER

Dept. No.		Hrs.	Gr.
COS 101	Cosmetology Theory I	6	___
COS 111	Cosmetology Laboratory I	<u>11</u>	___
		17	

FIRST YEAR - SPRING SEMESTER

Dept. No.		Hrs.	Gr.
COS 102	Cosmetology Theory II	5	___
COS 112	Cosmetology Laboratory II	<u>11</u>	___
		16	

FIRST YEAR - SUMMER SEMESTER

Dept. No.		Hrs.	Gr.
ALH 101	Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification	.5-1	___
COS 113	Cosmetology Lab III	3	___
COS 114	Cosmetology Internship	<u>2</u>	___
		5.5-6	

SECOND YEAR - FALL SEMESTER

Dept. No.		Hrs.	Gr.
ACC 100	Business Accounting	3	___
PSC 131	American Government OR HIS 201 United States History I OR HIS 202 United States History II	3	___
PSY 132	General Psychology	3	___
SPE 115	Speech	<u>3</u>	___
		12	

SECOND YEAR - SPRING SEMESTER

Dept. No.		Hrs.	Gr.
BIO 100	Biology for Non-Science Majors	4	___
CIS 207	Computer Applications	3	___
ENG 101	English Composition I ^{1,2}	3	___
MAT 113	Introduction to Contemporary Mathematics ² OR MAT 120 Elementary Statistics ² OR BUS 111 Business Mathematics	<u>3</u> 13	___

* Or any higher math course.

¹ Requires a grade of "C" or higher.

² Recommended for transfer students. Students transferring to SIU-C's WED program must take ENG 101 and MAT 113 or MAT 120.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information:

The Cosmetology Program is designed to give students thorough training in the arts, skills, and applied sciences that deal with adornment through care and treatment of the hair, nails, and skin.

The Cosmetology Program meets the standards of the Department of Financial and Professional Regulation-Division of Professional Regulation, State of Illinois, in total hours, teaching staff, equipment, facilities, library, and course content.

Graduates are prepared for licensure by the Department of Financial and Professional Regulation-Division of Professional Regulation, State of Illinois, upon passing the Illinois Cosmetology examination. This qualifies the graduate for employment and an Associate in Applied Science degree.

Career Opportunities: Cosmetologist, salon owner, salon manager, manicurist/pedicurist/nail technician, hairstylist/hair dresser, sales representative.

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Effective Date: Fall 2009



FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ALH 101 Cardiopulmonary Resuscitation	1	___
CRJ 103 Introduction to Criminal Justice	3	___
CRJ 105 Criminal Behavior	3	___
ENG 113 Professional Technical Writing ¹	3	___
PSC 131 American Government	3	___
Any IAI Science Elective	<u>3</u>	___
	16	

FIRST YEAR - SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
SPE 115 Speech	<u>3</u>	___
	3	

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CRJ 203 Introduction to Security	3	___
CRJ 205 Survey of Crime Detection Methods	3	___
CRJ 209 Criminal Law	3	___
PSY 132 General Psychology	3	___
SPN 101 Elementary Spanish I	<u>4</u>	___
	16	

SECOND YEAR - SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 207 Computer Applications OR CIS 209 Introduction to Cybercrimes ²	3	___
CRJ 219 Criminal Procedure	3	___
CRJ 220 Probation, Parole, and Community-Based Corrections, OR CRJ 222 Natural Resource Law Enforcement, OR CRJ 224H Terrorism and Homeland Security	3	___
CRJ 221 Police Administration	<u>4</u>	___
SPN 102 Elementary Spanish II	16	___

SECOND YEAR - SUMMER SEMESTER (Optional)

Dept. No.	Hrs.	Gr.
CRJ 201 Criminal Justice Internship (Optional) ³	4	___
CRJ 210 Introduction to Forensic Investigation (Optional) ³	<u>3</u>	___
	7	

SECOND YEAR - FALL SEMESTER

Dept. No.	Hrs.	Gr.
CRJ 115 Policing	3	___
CRJ 218 Introduction to Corrections	3	___
CRJ 223 Juvenile Justice	3	___
LIT 284 Ethnic Literature in America OR HIS 101 Western Civilization I	3	___
MAT 113 Introduction to Contemporary Mathematics OR MAT 105 Vocational Mathematics	<u>3</u>	___
	15	

*All core courses (CRJ) must be completed with a "C" or higher.

*Your transfer institution may have policy guidelines in place allowing community college students to transfer credits beyond the associate degree that apply toward fulfilling degree requirements. For example, some degree programs at SIUC will accept and apply up to 78 credits toward baccalaureate degree requirements. If you are planning to transfer to an Illinois IAI participating institution that accepts and applies credit beyond the AAS, consider selecting courses from the following that will fulfill the IAI Transferable General Education Core Curriculum (GECC). Communications: ENG 102; Mathematics: MAT 113; Humanities and Fine Arts: 3 credits of IAI Fine Arts electives and HIS 102; Social and Behavioral Sciences: SOC 133; Physical and Life Sciences: at least 7 credits are required with one course being a Life Science elective and one being a Physical Science Elective and one of the two must be a lab science course. Consult with a program advisor at your transfer institution to determine number of credits accepted and if your intended major requires any specific general education courses in the major you select.

¹Requires a grade of "C" or higher.

² Spring only.

³ Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

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Additional Information: The Criminal Justice A. A. S. degree program meets the objectives of students considering careers in policing, the courts, corrections, juvenile justice, and private security, as well as preparing students for transfer and maximizing articulation with baccalaureate programs in Administration of Justice, Criminal Justice, Police Science, etc.

Career Opportunities: Positions in law enforcement: administrative agencies (local, state, federal, natural resource), courts (security, administration, probation), corrections (local, state, federal, parole), juvenile justice (law enforcement, probation, corrections), private security (loss prevention, asset protection, investigations, human resources)

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Effective Date: Fall 2015



FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
CIS	200	Network Essentials ²	3	___
CIS	206	Managing Network Environments I ²	3	___
ELT	102	Basic Electricity and Wiring	4	___
ELT	111	Digital Electronics I	3	___
MAT	113	Introduction to Contemporary Mathematics OR	3	___
		MAT 100 Mathematics for Applied Technologies OR	16	___
		MAT 120 Elementary Statistics		

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
CIS	216	Cloud Technology ²	3	___
ELT	214	A+ Preparation IT Technician	3	___
ELT	215	IOT and Embedded Systems ²	3	___
ENG	101	English Composition I ² OR ENG 113 Professional Technical Writing ¹	3	___
SPE	115	Speech OR SPE 116 Interpersonal Communication	3 15	___

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
CIS	208	Security Awareness	3	___
CIS	230	Operating Systems	3	___
ELT	103	Applied DC/AC Circuits	4	___
ELT	112	Digital Electronics II	3	___
ELT	200	Introduction to Microprocessors	3	___
			16	___

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
CIS	213	Penetration Testing ²	3	___
CPS	176	Introduction to Computer Programming	4	___
ECO	202	Introduction to Microeconomics	3	___
ELT	210	A+ Preparation Essentials	3	___
ELT	218	Introduction to Network Technologies	3	___
PHY	121	Technical Physics	3	___
			19	___

OPTIONAL

ATI	200	Applied Technologies Internship ³	1-3	
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Fall Only Courses:

Spring Only Courses:

CIS 200	ELT 111	CIS 208	ELT 200
CIS 206	ELT 214	CIS 213	ELT 210
CIS 216	ELT 215	CIS 230	ELT 218
ELT 102		ELT 103	CIS 240

*Program Prerequisite: CIS 101 or equivalent. Equivalent may be met through a course at a college or university, tech prep dual credit from high school, proficiency exam or consent of instructor. Students who do not meet prerequisite should take CIS 101 their first semester of enrollment.

¹ Requires a grade of "C" or higher.

² These courses have a prerequisite.

³ Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

The Computer Support and Networking Degree AAS (00ELT3015) is an ICCB approved extension of the Electronics Technology AAS Degree (00ELT3010) and is the parent program to:

- Information System Technician Certificate Program (ELT 0106)
- IST Computer Support and Networking, Information Systems Technology Capstone Option at SIUC AAS Degree Program (00ELT3022)

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Entry-level IT Technician, Entry-level IT Security, PC Repair Person, Wireless Network Administrator, Entry-Level Wireless Network Security Administrator, Entry-level Server Administrative Network Technician.

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Effective Date: Spring 2017



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CIS 200 Network Essentials	3	___
CIS 206 Managing Network Environments I	3	___
ELT 102 Basic Electricity and Wiring	4	___
ELT 111 Digital Electronics I	3	___
MAT 113 Introduction to Contemporary Mathematics OR	<u>3</u>	___
MAT 100 Mathematics for Applied Technologies OR	16	___
MAT 120 Elementary Statistics		___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CIS 225 Advanced Database Management ¹	3	___
CIS 216 Cloud Technology ¹	3	___
CIS 240 Web Page Design	3	___
ELT 214 A+ Preparation IT Technician	3	___
ELT 215 IOT and Embedded Systems ¹	3	___
SPE 115 Speech OR	<u>3</u>	___
SPE 116 Interpersonal Communication	18	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 120 Database Management	3	___
CIS 208 Security Awareness	3	___
CIS 230 Operating Systems	3	___
ELT 112 Digital Electronics II	3	___
ENG 101 English Composition I ² OR	3	___
ENG 113 Professional Technical Writing ²		___
PHY 121 Technical Physics	<u>3</u>	___
	18	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 213 Penetration Testing ¹	3	___
CPS 176 Introduction to Computer Programming ¹	4	___
ECO 202 Introduction to Microeconomics	3	___
ELT 210 A+ Preparation Essentials	3	___
ELT 218 Introduction to Network Technologies	<u>3</u>	___
	16	___

Fall Only Courses:

CIS 200 ELT 102
 CIS 206 ELT 111
 CIS 216 ELT 214
 CIS 225 ELT 215
 CIS 240

Spring Only Courses:

ELT 210 ELT 218
 CIS 208 ELT 112
 CIS 213
 CIS 230

*Program Prerequisite: CIS 101 or equivalent. Equivalent may be met through course at a college or university, tech prep dual credit from high school, proficiency exam or consent of instructor. Students who do not meet prerequisite should take CIS 101 their first semester of enrollment.

¹ These courses have a prerequisite.

² Requires a grade of "C" or higher.

The IST Computer Support and Networking, Information Systems Technology Capstone Option at SIUC AAS Degree is an ICCB approved extension of the Computer Support and Networking AAS Degree (00ELT3015).

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog). Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Computer Support Specialists, Network/Computer System Administrator, Computer Specialist. This degree is being taught in conjunction with the Electronics department. Upon successful completion of the program, the student will be able to build, repair, and troubleshoot a computer and be able to design, troubleshoot and administer a network. This degree will capstone to SIU through Information Systems Technologies.

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Effective Date: Spring 2017



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CIS 101 Introduction to Computers	3	___
CIS 170 CISCO I	5	___
CIS 200 Network Essentials	3	___
CIS 206 Managing Network Environment I	3	___
MAT 113 Introduction to Contemporary Mathematics OR BUS 111 Business Mathematics	<u>3</u> 17	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CIS 216 Cloud Technology ¹	3	___
CIS 219 Ethical Hacking ¹	3	___
ELT 214 A+ Preparation IT Technician	3	___
SPE 115 Speech OR SPE 116 Interpersonal Communication	3	___
IAI Social and Behavioral Science Elective ²	<u>3</u> 15	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 208 Security Awareness	3	___
CIS 230 Operating Systems	3	___
CIS 231 Firewalls and VPN's ^{1,4}	3	___
CIS 270 CISCO II ¹	4	___
Elective – Track 1 or Track 2 ³	<u>3</u> 16	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 213 Penetration Testing ¹	3	___
CPS 176 Intro to Computer Programming ¹	4	___
ENG 113 Professional Technical Writing OR ENG 101 English Composition*	3	___
PHL 121 Introduction to Logic	3	___
Elective – Track 1 or Track 2 ³	<u>3</u> 16	___

Fall Only Courses:

CIS 170 CIS 200
CIS 206 ELT 214
CIS 216 CIS 229
CIS 219

Spring Only Courses:

CIS 208 CIS 270
CIS 209 CIS 230
CIS 213 ELT 210
CIS 231 ELT 218

*Students must maintain a grade of "C" or higher in all courses.

¹ These courses have a prerequisite.

² PSY 132 is recommended.

³ Track 1 Electives – CIS 209 – Introduction to Cybercrimes-spring only class, CIS 229 – Digital Forensics¹- fall only class. CIS 209 is prerequisite to CIS 229. Track 2 Electives – ELT 210 – A+ Preparation Essentials, ELT 218 – Intro to Network Technologies. Both classes taught spring semesters only.

Note: Students planning on following Track 1 should take CIS 209 during the first year, spring semester and CIS 229 during the second year, fall semester. The IAI Social Science course may then be taken during the second year, spring semester.

⁴ Concurrent enrollment in CIS 230, if not previously completed, is required.

The Cyber-Security/Information Assurance AAS Degree (CIS 2015) is an ICCB approved extension of the Computer Forensics AAS Degree (CIS 2012).

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: This degree is for students that want to work in a small to medium size business environment with routers, firewalls, and VPN's managing develop security policies and design networks while keeping data secure. Preparation for COMPTIA, Net+, A+, CCENT and CCNA certifications can be obtained through this degree. Graduates will be qualified for careers in cybersecurity and information assurance in federal, state and local agencies, and the private sector.

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Effective Date: Spring 2017



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
BIO 205	Human Anatomy and Physiology I	4	___
CHM 141	General, Organic and Biochemistry I	4	___
DHY 200	Orientation and Pre-Clinic ¹	6	___
DHY 201	Dental Nutrition	2	___
DHY 204	Periodontology	2	___
ENG 101	English Composition I	<u>3</u>	___
		21	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
BIO 206	Human Anatomy and Physiology II ²	4	___
BIO 226	General Microbiology	4	___
DHY 202	Dental Pharmacology	2	___
DHY 206	Oral Pathology	2	___
DHY 210	Dental Hygiene Seminar I	1.5	___
DHY 211	Dental Hygiene Practice I ¹	<u>8</u>	___
		21.5	

FIRST YEAR – SUMMER SEMESTER

Dept. No.		Hrs.	Gr.
DHY 212	Dental Hygiene Seminar II	1	___
DHY 213	Dental Hygiene Practice II ¹	<u>4</u>	___
		5	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
DHY 207	Community Oral Health	2	___
DHY 214	Dental Hygiene Seminar III	1.5	___
DHY 215	Dental Hygiene Practice III ¹	6	___
MAT 113	Introduction to Contemporary Mathematics ³ OR MAT 104 Mathematics for Allied Health	3	___
SOC 133	Principles of Sociology	<u>3</u>	___
		15.5	

****The Dental Hygiene Program is no longer accepting students at John A. Logan College. Students with questions about other programs being taught at John A. Logan College are encouraged to contact the Office of Academic Advisement at 618-985-3741, extension 8070. Students currently enrolled in this major are following the Teach-Out Model through December 2017.**

*Or any higher math course.

*Thirty hours of credit must come from an Accredited Dental Assisting Program. All students must complete an accredited dental assisting program prior to admission. DNA 100 Oral and Dental Anatomy, DNA 102 Dental Assisting Procedures I, DNA 104 Dental Radiography I, DNA 107 Dental Materials, DNA 108 Head and Neck Anatomy, DNA 110 Infection Control, DNA 113 Oral Embryology and Histology, DNA 101 Dental Emergencies and Pathology, DNA 105 Dental Radiography II, DNA 106 Preventative Dental Health Education, PSY 132 General Psychology, and SPE 115 Speech or SPE 116 Interpersonal Communication are included in the minimum hours of the Dental Hygiene A.A.S. degree.

Students must maintain a grade of "C" or higher in all courses.

A national board and clinical examination must be passed to be employed in this career.

¹ 6DHY 203, Skill Enhancement, (non-transferable) is required for any student who does not meet the course minimum for DHY 200, DHY 211, DHY 213, and DHY 215. This course is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

² No prior credit will be given for BIO 206 Human Anatomy and Physiology II if this course was completed more than 5 years prior to admittance into the program without consent of program director. Earned grade must be a "C" or higher.

³ Recommended for transfer students.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information:

The Dental Hygiene Program educates dental assistants to become hygienists who have developed a high degree of clinical competence and knowledge of the dental practice. Upon completion of the Dental Hygiene Program, students will be awarded an Associate in Applied Science degree. The dental hygienist is an integral member of the dental health care team who works directly with the dentist to maintain optimum oral health for the patient. Duties include cleaning teeth, exposing x-rays, providing dental care instructions to patients, and maintaining patient records. Additional duties may be found within the Illinois Dental Practice Act.

The high demand for the dual-trained Certified Dental Assistant/Licensed Dental Hygienist offers the graduate the opportunity to choose the type of practice, the area, and the environment in which to work.

Flexible scheduling is a distinctive feature of this job, with full-time, part-time, evening, and weekend work widely available.

The Dental Hygiene in Applied Science degree is sufficient for practicing in a private dental office. A bachelor's or master's degree is usually required for research, teaching, or clinical practice in public or school health programs.

Interested students should contact the Assessment Office for a packet detailing steps for admission. Applicants must take an entrance exam, the Health Occupation Aptitude Exam. The ranking for admission is developed using raw scores and weighting of select coursework and experience.

The Dental Hygiene Program is accredited by:**Commission on Dental Accreditation (CODA)**

211 East Chicago Avenue
Chicago, IL 60611

Career Opportunities: Practice in a private dental office, cleaning teeth, exposing x-rays, providing dental care instructions, and maintaining patient records.

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Effective Date: Spring 2015



FALL SEMESTER

Dept. No.		Hrs.	Gr.
ALH 110	Issues in Health and Patient Care	3	___
ENG 101	English Composition	3	___
Any IAI Math	OR MAT 108 College Algebra ³	3-4	___
		9-10	

SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ALH 112	Pathophysiology and Terminology ¹	3	___
PHY 121	Technical Physics OR PHS 105 Physics for Non-Science Majors	3	___
SOC 133	Principles of Sociology OR PSY 132 General Psychology	3	___
SPE 115	Speech OR SPE 116 Interpersonal Communication	3 12	___

All of the above coursework must be completed before starting any Diagnostic Cardiac Sonography Specialization.

FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
DMS 104	Diagnostic Ultrasound Foundations ²	3	___
DMS 202	Cardiac Anatomy and Physiology ²	4	___
DMS 204	Cardiac Ultrasound Imaging/Lab I ²	6	___
DMS 206	Cardiac Ultrasound Clinic I ²	3	___
		16	

FIRST YEAR – SUMMER SEMESTER

Dept. No.		Hrs.	Gr.
DMS 236	Cardiac Ultrasound Clinic III	5	___
		5	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
DMS 200	Medical Physics and Instrumentation	5	___
DMS 224	Cardiac Ultrasound Imaging/Lab II	6	___
DMS 226	Cardiac Ultrasound Clinic II	6	___
		17	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
DMS 230	Cardiac Seminar	2	___
DMS 246	Cardiac Ultrasound Clinic IV	10	___
		12	

*Students must maintain a grade of "C" or higher in all courses.

*Students must be certified for CPR at the start of the program and remain certified throughout the program.

¹ BIO 206 is a prerequisite or concurrent enrollment to ALH 112 recommend for Fall Semester. No prior credit will be given for BIO 206 Human Anatomy and Physiology II if this course was completed more than 5 years prior to program admittance or if the earned grade was lower than a "C." If a student elects to complete to complete BIO 206 prior to beginning the program, it will fulfill the UCC Life Science Group II course requirement for the SIU-C articulation agreement.

² Students not meeting the minimum course requirements for DMS 104, DMS 200, DMS 202, DMS 204, DMS 206, DMS 224, and DMS 226 are required to enroll in 6DMS 230, Skill Enhancement, and 6DMS 232, Skill Enhancement. These courses are not required for graduation from this program and therefore are ineligible for Title IV Financial Aid funding.

³ Students interested in pursuing Radiologic Sciences (Medical Sonography) at SIU should consider MAT 120, articulated substitute for HCM 365.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Sonographers can choose to work in clinics, hospitals, private practice physician offices, public health facilities, laboratories, and other medical settings performing examinations in their areas of specialization. Career advancement opportunities exist in education, administration, research, and in commercial companies as education/application specialists, sales representatives, and technical advisors.

The Diagnostic Cardiac Sonography Program is accredited by:
Commission on Accreditation of Allied Health Education Programs (CAAHEP)
25400 U.S. Highway 19 North
Suite 158
Clearwater, FL 33763

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Effective Date: Spring 2016



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
DRT 181	4	___
DRT 185	2	___
ENG 101	3	___
ENG 113		___
MAC 200	4	___
MAT 113	<u>3</u>	___
	16	

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ARC 201	3	___
DRT 183	2	___
DRT 187	3	___
DRT 281	3	___
DRT 283	3	___
PSC 131	<u>3</u>	___
	17	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ARC 184	4	___
CIS 207	3	___
DRT 182	4	___
DRT 190	2	___
SPE 115	<u>3</u>	___
	16	

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ATI 200	1-3	___
DRT 186	2	___
DRT 282	3	___
DRT 286	3	___
IND 201	2	___
PHY 121	3	___
PSY 132	<u>3</u>	___
	19	

****The Drafting/CAD Program is no longer accepting students at John A. Logan College. Students with questions about other programs being taught at John A. Logan College are encouraged to contact the Office of Academic Advisement at 618-985-3741, extension 8070. Students currently enrolled in this major are following the Teach-Out Model through May 2017.**

¹ Requires a grade of "C" or higher.

²The ATI 200 Applied Technologies Internship is a variable 1-3 credit hour course. In order to fulfill the requirements for this degree the completion of 3 credit hours is required.

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: This curriculum is designed to prepare students for positions in the field of mechanical and architectural drafting. Emphasis is placed on the use of computer-aided drafting (CAD) to accomplish these goals. All practical work experience in layout and detailing is in accordance with standard practices recommended by the U. S. Department of Defense, American Society of Automotive Engineers, and other recognized standardized agencies. This is an ADDA certified drafting program.

Career Opportunities: CAD technician, draftsman, detailer, junior tool designer, engineering draftsman, CAD operator, CAD technician draftsman, mechanical/industrial/architectural drafter.

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Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Spring 2016



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ECE 150	Infancy Development	3	___
ECE 155	The Early Childhood Profession	3	___
ECE 160	Development and Care of Children	4	___
ECE 272	Language and Literacy Development	3	___
PSY 132	General Psychology	<u>3</u>	___
		16	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ALH 101	Cardiopulmonary Resuscitation	1	___
ART 111	Art Appreciation	3	___
ECE 265	Curriculum Development	3	___
ENG 101	English Composition I ¹	3	___
LIT 264	Literature for Children	3	___
PSY 262	Child Psychology	<u>3</u>	___
		16	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ECE 260	Parent Involvement	3	___
ECE 267	Child Care Laboratory	5	___
SOC 263	Marriage and the Family	3	___
MAT 113	Introduction to Contemporary Mathematics ² OR MAT 120 Elementary Statistics ² OR BUS 111 Business Mathematics	3	___
SPE 115	Speech	<u>3</u>	___
		17	

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ECE 266	Pre-School Administration	3	___
ECE 268	Child Care Laboratory	5	___
PNE 100	Nutrition	3	___
EDC 208	Characteristics and Methods for Teaching Exceptional Children	<u>3</u>	___
		14	

*Or any higher math course.

¹ Requires a grade of "C" or higher.

² Recommended for transfer students.

The Early Childhood Education AAS Degree Program (ECE 0005) is the parent program to:

- Early Childhood Education Director's Credential Certificate Program (00CHC0018)
- Family Child Care Certificate Program (ECE 0006)

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: Graduates of this two-year Early Childhood Education Program will be trained to provide education and care for children in public and private child care settings to include the following: maintaining a safe and healthy learning environment; providing experiences to promote physical, intellectual, social/emotional, and language/literacy development; using positive guidance/discipline strategies; establishing positive and productive relationships with families; and operating a well-run program for children that adheres to legal requirements and a professional code of ethics.

Career Opportunities: Director, assistant director, lead teacher, teacher, and an assistant in child care programs, Head Start, and school-age programs. Also qualified to be a parent educator and coordinator, child development specialist, work in social service programs, Even Start programs, and Child Care Resource and Referral. Teacher aide and assistant, school office assistant, school library assistant, playground assistant in grades Pre-K through twelve. Graduates of this program are also qualified to own and operate child care centers.

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Effective Date: Spring 2014



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ELT 102	Basic Electricity and Wiring	4	___
ELT 111	Digital Electronics I	3	___
ENG 101	English Composition 1 ¹ OR ENG 113 Professional Technical Writing ¹	3	___
MAT 111	Pre-Calculus	5	___
MFT 103	Industrial Robots and PLCs	3	___
		<u>18</u>	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 103	Applied DC/AC Circuits	4	___
ELT 112	Digital Electronics II	3	___
ELT 150	Applied Solid State Electronics	4	___
MAT 131	Calculus I	5	___
		<u>16</u>	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
CPS 176	Introduction to Computer Programming	4	___
ELT 215	IOT and Embedded Systems	3	___
ELT 270	Introduction to Smart Grid	3	___
PHY 155	College Physics I	5	___
		<u>15</u>	

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 200	Introduction to Microprocessors	3	___
ELT 220	Linear Integrated Circuits	3	___
ELT 224	Power Distribution and Motors	3	___
ENG 102	English Composition II ¹	3	___
PSC 131	American Government OR HIS 201 United States History I OR HIS 202 United States History II	3	___
SPE 115	Speech OR SPE 116 Interpersonal Communication	3	___
		<u>18</u>	

*Completion of MAT 201 is recommended prior to transfer to SIU-C.

¹ Requires a grade of "C" or higher.

<u>Fall only courses:</u>	<u>Spring only courses:</u>
ELT 102	ELT 103
ELT 111	ELT 150
ELT 151	ELT 224
ELT 270	
MFT 103	

The Electrical Engineering Technology AAS Degree (ELT 3012) is an ICCB approved extension of the Electronics Technology AAS Degree (00ELT3010).

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: The graduate in Electronics Engineering Technology will be prepared for entry-level careers in areas such as: Product development and support Technician, Field engineering/service Technician, Test Engineering Technician, Technical documentation, Technical sales/marketing, Telecommunications and wireless systems development and support, Research and development, Quality assurance, Technical documentation.

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Effective Date: Fall 2016



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ELT 102 Basic Electricity and Wiring	4	___
ELT 111 Digital Electronics I	3	___
MAT 113 Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3	___
SPE 115 Speech OR SPE 116 Interpersonal Communication	3	___
MFT 103 Industrial Robots and PLCs	3	___
	<u>3</u>	
	16	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ELT 103 Applied DC/AC Circuits	4	___
ELT 104 Introduction to VFDs	2	___
ELT 112 Digital Electronics II	3	___
ELT 150 Applied Solid State Electronics	4	___
MFT 201 PLC Manufacturing Systems	3	___
	<u>3</u>	
	16	

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ELT 151 Applied Solid State Circuits	4	___
ELT 214 A+ Preparation IT Technician	3	___
ELT 215 IOT and Embedded Systems	3	___
ELT 270 Introduction to Smart Grid	3	___
ENG 101 English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	<u>3</u> 16	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ELT 210 A+ Preparation Essentials	3	___
ELT 200 Introduction to Microprocessors	3	___
ELT 220 Linear Integrated Circuits	3	___
ELT 224 Power Distribution and Motors	3	___
PHY 121 Technical Physics	3	___
PSC 131 American Government OR HIS 201 United States History I OR HIS 202 United States History II	<u>3</u> 18	___

¹ Requires a grade of “C” or higher.

Fall only courses:

ELT 102 ELT 236
ELT 111 ELT 151
ELT 214 ELT 270
MFT 103

Spring only courses:

ELT 103 ELT 210
ELT 104 ELT 224
ELT 150 MFT 201

The Electronics Technology AAS Degree (00ELT3010) is the parent program to:

- Computer Support and Networking (00ELT3015)
- Electrical Engineering Technology AAS Degree (ELT 3012)
- Industrial Maintenance Engineering AAS Degree (00ELT3012)

Service Course: ELT 240 FCC General Class License Preparation. This course is designed to help prepare the student to take the General Radio Telephone Operator’s Exam.

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: This two-year program is designed to provide a thorough understanding of DC/AC fundamentals, solid state electronics, digital electronics, microprocessor operations, and industrial electronics. Upon completion of this program, the student will be awarded an associate degree in electronics technology. For students entering the program with prior education or on-the-job experience, it is possible to test out of the basic courses. For additional information, students should see their advisor or the chairperson of the Division of Applied Technologies. Because the electronics curriculum has been articulated with the College of Engineering and Technology at SIU, a graduate of this program has the option of seeking employment directly after graduation or transferring to SIU to pursue a B. S.

Career Opportunities: The Electronics Technician has career opportunities in many entry-level areas such as: Electronic equipment installation and repair, Maintenance Technician, Broadcast Communications Technician, System Technician, Plant Technician, Telephone Technician, Fiber Optic Technician, Telecommunications Technician and Technical Report Writers. The typical job related activities may involve assembly, installation, maintenance, testing, troubleshooting and repair.

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Effective Date: Fall 2016



FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	102	Basic Electricity and Wiring	4	—
ELT	111	Digital Electronics I	3	—
MAT	113	Introduction to Contemporary Mathematics OR		
		MAT 100 Mathematics for Applied Technologies OR		
		MAT 120 Elementary Statistics	3	—
MFT	103	Industrial Robots and PLCs	<u>3</u>	—
			13	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	103	Applied DC/AC Circuits	4	—
ELT	112	Digital Electronics II	3	—
MFT	201	PLC Manufacturing Systems	3	—
SPE	115	Speech OR	<u>3</u>	—
		SPE 116 Interpersonal Communication	13	—

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	214	A+ Preparation IT Technician	3	—
ELT	215	IOT and Embedded Systems	3	—
ELT	270	Introduction to Smart Grid	3	—
PSC	131	American Government OR	<u>3</u>	—
		HIS 201 United States History I OR	12	—
		HIS 202 United States History II		

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	104	Introduction to VFDs	2	—
ELT	150	Applied Solid State Electronics	4	—
ELT	200	Introduction to Microprocessors	3	—
ELT	210	A+ Preparation Essentials	<u>3</u>	—
			12	

THIRD YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	151	Applied Solid State Circuits	4	—
ENG	101	English Composition 1 ¹ OR	3	—
		ENG 113 Professional Technical Writing ¹		
PHY	121	Technical Physics	<u>3</u>	—
			10	

THIRD YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	220	Linear Integrated Circuits	3	—
ELT	224	Power Distribution and Motors	<u>3</u>	—
			6	

¹ Requires a grade of "C" or higher.

Service Course: ELT 240 FCC General Class License Preparation. This course is designed to help prepare the student to take the General Radio Telephone Operator's Exam.

Fall only courses:

ELT 102	ELT 236
ELT 111	ELT 151
ELT 214	ELT 270
	MFT 103

Spring only courses:

ELT 103	ELT 210
ELT 104	ELT 224
ELT 150	MFT 201

The Electronics Technology AAS Degree (00ELT3010) is the parent program to:

- Computer Support and Networking (00ELT3015)
- Electrical Engineering Technology AAS Degree (ELT 3012)
- Industrial Maintenance Engineering AAS Degree (00ELT3012)

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: This two-year program is designed to provide a thorough understanding of DC/AC fundamentals, solid state electronics, digital electronics, microprocessor operations, and industrial electronics. Upon completion of this program, the student will be awarded an associate degree in electronics technology. For students entering the program with prior education or on-the-job experience, it is possible to test out of the basic courses. For additional information, students should see their advisor or the chairperson of the Division of Applied Technologies.

Because the electronics curriculum has been articulated with the College of Engineering and Technology at SIU, a graduate of this program has the option of seeking employment directly after graduation or transferring to SIU to pursue a B. S.

Career Opportunities: Entry-level position as an electronics technician.

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Effective Date: Fall 2016



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
EMS 250 Paramedic I	10	___
ENG 101 English Composition ¹ OR ENG 113 Professional & Technical Writing ¹	3	___
PSY 132 General Psychology OR SOC 133 Principles of Sociology	<u>3</u> 16	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
EMS 251 Paramedic II	13	___
MGT 112 Principles of Management ² OR BUS 110 Introduction to Business	<u>3</u> 16	___

FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
EMS 252 Paramedic III	<u>7.5</u> 7.5	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
BIO 205 Human Anatomy and Physiology I	4	___
EMS 253 Paramedic IV	<u>12.5</u> 16.5	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
BIO 206 Human Anatomy and Physiology II	4	___
MAT 113 Introduction to Contemporary Mathematics ³ OR MAT 104 Mathematics for Allied Health*	3	___
SPE 115 Speech ³ OR SPE 116 Interpersonal Communication	3	___
IAI Electives in Humanities and Fine Arts OR IAI Electives in Physical and Life Sciences	<u>6</u> 16	___

* Or any higher math course.

* Students must complete EMT 111 prior to EMS program.
Current Illinois EMT-B or EMT-I certification is required.

¹ Requires a grade of "C" or higher.

² Offered in the spring semester only.

³ Recommended for transfer students.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Graduates of the program are qualified to take the State Certification Examination which is required for paramedic licensure in the state of Illinois. Licensed paramedics have employment opportunities in hospitals, ambulance services, fire departments, colleges and within various governmental programs.

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Effective Date: Fall 2014



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ART 101	Two Dimensional Design	3	___
ART 180	Drawing I	3	___
CIS 207	Computer Applications	3	___
ENG 101	English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	___
GRD 110	Graphics Design I	<u>5</u>	___
		17	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ART 220	History of Art I OR ART 291 History of Photography	3	___
ART 290	Computer Art I	3	___
CIS 240	Web Page Design	3	___
GRD 210	Graphics Design III	5	___
MAT 113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	<u>3</u> 17	___

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ART 296	Photography I	3	___
GRD 120	Graphics Design II	5	___
PSY 132	Psychology	3	___
SPE 115	Speech OR SPE 116 Interpersonal Communication	<u>3</u> 14	___

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ART 292	Computer Art II	3	___
ART 293	Art Preparation and Portfolio	1	___
CIS 210	Presentation Graphics	2	___
GRD 220	Animation	3	___
GRD 230	Video Production	3	___
MKT 224	Advertising	<u>3</u>	___
		15	

FIRST YEAR – SUMMER SEMESTER

Dept. No.		Hrs.	Gr.
ATI 200	Applied Technologies Internship ²	<u>1-3</u>	___
		3	

¹ Requires a grade of "C" or higher.

² The ATI 200 Applied Technologies Internship is a variable 1-3 credit hour course. In order to fulfill the requirements for this degree the completion of 3 credit hours is required.

The Graphics Design AAS Degree (GRD 2004) is the parent program to: Graphics Design Certificate Program (GRD 0005)

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: The program will prepare graduates to enter the profession of Graphic Design in print shops, magazine companies, newspaper companies, television stations and other related industries. The needs for each company varies, but graphic designer's responsibilities may include the creation of graphics, photography, animation, page setup, layout, logo design, and web page design. The program is geared toward students desiring a career in graphics design, dislocated workers and incumbent workers desiring to upgrade their existing skills, as well as students with interest in artistic expression.

Beginning salaries are comparable to other technical careers with the possibility of advancement within a particular company. A job placement service is provided for all John A. Logan College graduates to help students find employment.

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Effective Date: Spring 2015



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr. H
BIO 105	Human Biology	4	___
HIT 101	Introduction to Health Information	3	___
HIT 206	Medical Insurance and Billing Procedures	3	___
HIT 217	Medical Terminology	3	___
MAT 120	Elementary Statistics	<u>3</u>	___
		16	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ENG 101	English Composition I ¹	3	___
HIT 201	Health Data and Statistics	2	___
HIT 202	Clinical Practicum I	2	___
HIT 203	Management in Health Care	3	___
HIT 205	ICD-10-CM/PCS Advanced Coding	5	___
HIT 211	Medico Legal Aspects	<u>2</u>	___
		17	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
HIT 102	Health Records Procedures	3	___
HIT 204	ICD-10-CM Coding Basics	3	___
HIT 210	CPT Coding	3	___
HIT 215	Pathophysiology	4	___
HIT 218	Introduction to Pharmacology	<u>3</u>	___
		16	

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
CIS 105	Current Operating Systems/Security	3	___
HIT 212	Quality Management	3	___
HIT 213	Clinical Practicum II	2	___
HIT 216	Reimbursement Management	3	___
SPE 115	Speech Elective ²	<u>3</u>	___
		17	

Fall Only Courses:

HIT 101	HIT 205
HIT 201	HIT 206
HIT 202	HIT 211
HIT 203	

Spring Only Courses:

CIS 105	HIT 212
HIT 102	HIT 215
HIT 204	HIT 216
HIT 210	HIT 218

* Retention in the HIT program requires that the HIT student earn a grade of “C” or better in all HIT classes and maintain an overall GPA of 2.0 (“C” or better). If a student fails any one of the HIT courses, the course must be repeated with a passing grade (“A”, “B”, or “C”). HIT courses are only offered once a year, with the exception of HIT 213 and HIT 217, so the student will have to wait to take courses until a prerequisite course has been completed with a passing grade. All courses must be taken in sequence as specified by course prerequisites unless permission is granted by the program director.

Students interested in pursuing the Health Care Management Capstone Option at SIUC should, in addition, consider completing one or more of the following course equivalents to the HCM degree requirements: ECO 202 and PSY 132 to satisfy the six hour Social Science requirement for Capstone at SIUC.

¹ Requires a grade of “C” or higher.

² Elective (Humanities/Fine Arts OR Social/Behavioral Sciences) must be an IAI (Illinois Articulation Initiative) approved course.

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information:

The health information technician possesses both administrative and technical skills necessary to maintain components of health record systems consistent with the medical, administrative, ethical, legal, accreditation, and regulatory requirements of the health care delivery system. The individual plays an important role in ensuring the health care facility receives appropriate reimbursement for treatment rendered. Since reimbursement is based on the diagnoses listed in the medical record, this is accomplished by analyzing and coding the medical record accurately.

Health information technicians have traditionally been employed in hospitals. However, with changing health care needs, professionals have chosen careers in physicians’ group practices, managed care groups, home health care, hospices, long-term care, and ambulatory surgery. Additionally, careers in health information management go beyond health care facilities. Professionals work in insurance companies, peer review organizations, accounting firms, consulting companies, law firms, computer equipment companies, prisons, and contracted service agencies.

The Health Information Technology Program is accredited by:

Commission on Accreditation of Health Informatics and Information Management (CAHIIM)

233 N. Michigan Avenue
21st Floor
Chicago, IL 60601

Career Opportunities: Employment in hospitals, physicians' group practices, managed care groups, home health care, hospices, long-term care, and ambulatory surgery, employment with insurance companies, peer review organizations, accounting firms, consulting companies, law firms, computer equipment companies, prisons, and contracted service agencies.

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Effective Date: Spring 2017



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
HAC 102	Residential Electrical Wiring	4	___
HAC 121	Heating I	4	___
MAT 113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3	___
PSY 132	General Psychology	3	___
WEL 150	Oxy-Acetylene Fusion Welding I	1	___
WEL 152	Brazing and Soldering	1	___
		<u>16</u>	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
HAC 105	Basic Sheet Metal Layout	3	___
HAC 107	Electrical Controls and Circuitry	3	___
HAC 122	Heating II	4	___
HAC 131	Refrigeration & Air Conditioning I	4	___
SPE 115	Speech OR SPE 116 Interpersonal Communication	3 17	___

FIRST YEAR – SUMMER SEMESTER (OPTIONAL)

ATI 200	Applied Technologies Internship ² (Summer only)	1-3 1-3	___
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Fall Only Courses:

HAC 102
HAC 106
HAC 121
HAC 132
HAC 222
HAC 240

Spring Only Courses:

ELT 224
HAC 105
HAC 107
HAC 122
HAC 131

HAC 142
HAC 207
HAC 224
HAC 279

¹ Requires a grade of "C" or higher.

² Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

The Heating and Air Conditioning Degree Program (HAC0095) is the parent program to:

- Heating and Air Conditioning Certificate Program (HAC 0006)

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: This program prepares students for careers in the heating and air conditioning industry. The curriculum provides theory as well as sufficient laboratory experience to prepare graduates for immediate employment. Students will be trained for competency in installing, operating, troubleshooting, and maintaining all types of environmental control equipment. The graduate will receive an AAS degree. All students registered for heating and air conditioning classes will be required to furnish a basic tool set. The basic tool set will be necessary by the beginning of the fifth week of the semester. The set includes the following:

Nutdrivers

- Nutdriver ND5 ¼"
- Nutdriver ND7 5/16"
- Manifold Gauge Set

Pliers

- 7" Diagonal Pliers
- 7 ½" Longnose Pliers
- 6" Slip Joint Pliers
- ARC Joint 9-1/2" Pliers

Screwdrivers

- Phillips Stubby Screwdriver
- #2 x 4" Phillips Screwdriver
- Flat Stubby Screwdriver
- 3/16" x 6" Slotted Screwdriver
- 5/16" x 6" Slotted

Sockets

- 1/4" Socket Set
- 3/8" Socket Set

Wrenches

- 6" Adjustable Wrench
- 8" Adjustable Wrench
- 10" Adjustable Wrench
- 12" Adjustable Wrench
- Hex Wrench Set
- Service Valve Wrench

Additional Tools

- Wire Strippers
- AW Sperry SPR Clamp-On Amp Meter
- UEI M110A Multimeter
- Pocket Thermometer
- Inspection Mirror
- Sling Psychrometer
- Red and Green Tin Snips
- Tinnerns Hammer
- Dividers

Note: Costs of supplies vary by supplier. Tools may be purchased at Sears, Snap-On, True Value, etc.

The Heating & Air Condition Program is accredited by the:

Partnership of Air Conditioning, Heating, and Refrigeration Accreditors (PAHRA)

2111 Wilson Blvd., Suite 500
Arlington, VA 22201-3001

Career Opportunities: Technician, installer, maintenance, service manager, self-employment.

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Effective Date: Fall 2016



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CMG 110 Wood Frame Construction	4	___
ELT 102 Basic Electricity and Wiring	4	___
HAC 121 Heating I	4	___
MAT 113 Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3	___
SPE 115 Speech OR SPE 116 Interpersonal Communication	<u>3</u> 18	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ELT 150 Applied Solid State Electronics	4	___
HAC 131 Refrigeration and Air Conditioning I	4	___
IDM 120 Safety and Environmental Management	2	___
PSC 131 American Government OR HIS 201 United States History I OR HIS 202 United States History II	3	___
WEL 201 Industrial Maintenance Welding Lab	<u>6</u> 19	___

Fall Only Courses:

ELT 102
HAC 121
HAC 132
IDM 210
MFT 103

Spring Only Courses:

ELT 104 HAC 131
ELT 150 IDM 120
ELT 224 MFT 201

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CMG 107 Construction Document Interpretation	3	___
IDM 210 Hydraulics & Pneumatics	4	___
HAC 132 Refrigeration and Air Conditioning II	4	___
MAC 200 Machine Tool Lab	4	___
MFT 103 Industrial Robots & PLCs	<u>3</u> 18	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
DRT 185 Computer Graphics I	2	___
ELT 224 Power Distribution and Motors	3	___
ENG 101 English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	___
HAC 107 Electrical Controls and Circuitry	3	___
MFT 201 PLC Manufacturing Systems	3	___
PHY 121 Technical Physics	<u>3</u> 17	___

SECOND YEAR – SUMMER SEMESTER OPTIONAL

Dept. No.	Hrs.	Gr.
ATI 200 Applied Technologies Internship ² OR PSY 110 College Success and Career Planning ²	1-3	___

¹ Requires a grade of "C" or higher.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

All students in this program will be required to furnish a basic tool set. The set includes the following:

Screwdrivers

- #2 Phillips Screwdriver
- ¼" Standard Screwdriver

Pliers

- Needle Nose Pliers
- Side Cutter (Diagonal) Pliers
- Lineman's Pliers

Additional Tools

- Pocket Knife for Stripping Cable (Lock-Back) or Cable Stripper
- Wire Strippers
- Digital Multimeter (DMM) - must measure volts, ohms, and milli-amps

Note: Cost varies from different suppliers.

Career Opportunities: Industrial Maintenance/repair position, facilities maintenance

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Effective Date: Fall 2016



FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	102	Basic Electricity and Wiring	4	___
ELT	111	Digital Electronics	3	___
MAT	113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 111 Pre-Calculus OR MAT 120 Elementary Statistics	3-5	___
MFT	103	Industrial Robots & PLCs	3	___
PSY	132	General Psychology	3	___
			<u>16-18</u>	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	103	Applied DC/AC Circuits	4	___
ELT	104	Introduction to VFDs	2	___
ELT	112	Digital Electronics II	3	___
ELT	150	Applied Solid State Electronics	4	___
MFT	201	PLC Manufacturing Systems	3	___
			<u>16</u>	

OPTIONAL

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Gr.
ATI	200	Applied Technologies Internship ¹	3	___

¹ Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

² Requires a grade of "C" or higher.

³ Electives:

- CPS 176 Introduction to Computer Programming 4
- DRT 185 Computer Graphics I 2
- ELT 200 Introduction to Microprocessors 3
- ELT 215 IOT and Embedded Systems 3
- IDM 207 Building Mechanics and Maintenance 4

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
CIS	207	Computer Applications	3	___
ELT	151	Applied Solid State Circuits	4	___
ENG	101	English Composition I ² OR ENG 113 Professional Technical Writing ²	3	___
IDM	210	Hydraulics & Pneumatics	4	___
SPE	115	Speech OR SPE 116 Interpersonal Communication	<u>3</u> 17	___

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ELT	220	Linear Integrated Circuits	3	___
ELT	224	Power Distribution and Motors	3	___
IDM	120	Safety & Environmental Management	2	___
MAC	180	Blue Print Reading	3	___
PHY	155	College Physics I	5	___
		Technical Electives ³	<u>2-4</u>	___
			18-20	

Fall only courses:

- ELT 102 ELT 103
- ELT 111 ELT 104
- ELT 151 ELT 150
- IDM 210
- MFT 103

Spring only courses:

- IDM 120
- IDM 207
- MFT 201
- ELT 224

The Industrial Maintenance Engineering AAS Degree (00ELT3012) is an ICCB approved extension of the Electronics Technology AAS Degree (00ELT3010) and is the parent program to: Industrial PLC Systems Certificate (00ELT3013)

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Career Opportunities: Industrial Maintenance Engineering technicians solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance. In manufacturing, the Industrial Maintenance Engineering technician many assist engineers and scientists, especially in research and development. Duties many include quality control, inspecting products and processes, conducting tests, repairing and maintaining of industrial equipment or collecting data.

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FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
BUS	116	Keyboarding I ¹	3	___
BUS	135	Office Language Skills	3	___
HIT	217	Medical Terminology	3	___
BUS	255	Customer Service	3	___
CIS	101	Introduction to Computers ² OR CIS 207 Computer Applications ²	<u>3</u> 15	___

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
BUS	235	Business Correspondence	3	___
BUS	236	Records Management	1	___
BUS	261	MRT Transcription ³	3	___
BUS	270	Medical Office Procedures	3	___
CIS	105	Current Operating Systems/Security	3	___
MAT	113	Introduction to Contemporary Mathematics ² OR BUS 111 Business Mathematics ²	<u>3</u> 16	___

Fall Only Courses:

BUS 255

Spring Only Courses:

BUS 270 CIS 105
BUS 275
BUS 280

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ACC	100	Business Accounting	3	___
ALH	101	Cardiopulmonary Resuscitation	1	___
BUS	222	Legal/Social Environment of Business	3	___
CIS	104	Spreadsheet Design	3	___
CIS	110	Introduction to Word Processing	2	___
SPE	115	Speech ² OR SPE 116 Interpersonal Communication ²	<u>3</u> 15	___

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
BUS	275	Medical Office Coding and Insurance	3	___
BUS	280	Computer Applications for the Medical Office	3	___
CIS	120	Database Management	3	___
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	___
ENG	101	English Composition I ³ OR ENG 113 Professional Technical Writing ³	3	___
IAI Humanities OR IAI Fine Arts Elective ⁴			<u>3</u> 18	___

¹ Proficiency exams are available for BUS 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing). See your advisor or the chairperson of the Business Department for information.

² Students pursuing the Health Care Management Capstone Option at SIUC or a baccalaureate degree at another institution should take CIS 207, MAT 113 and SPE 115.

³ Requires a grade of "C" or higher.

⁴ Preferred IAI Humanities and Fine Arts electives: LIT 235, LIT 280, PHL 121, SPE 113
The Medical Administrative Assistant AAS Degree (00BUS0012) is the parent program to:

- Medical Billing and Coding Certificate Program (00BUS0020)
- Medical Clerk Certificate Program (00BUS0017)

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Additional Information: This is a two-year program leading to an Associate in Applied Science degree. The Medical Administrative Assistant Program prepares students for office support positions in a doctor's office, clinic, hospital, or other health care-related organizations. Besides exposure to executive secretarial courses, participants gain experience with computer applications, medical terminology, CPR, medical office procedures, and [The Medical Manager](#) ©.

Career Opportunities: Positions as a medical office assistant, medical transcriptionist, and medical receptionist are available in hospitals, clinics, doctors' offices, health care organizations, insurance companies, health foundations, local industries, and state and federal government agencies.



FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
BIO 205 Human Anatomy and Physiology I	<u>4</u>	___
	4	

SECOND YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
ENG 101 English Composition I ²	3	___
SPE 115 Speech	<u>3</u>	___
	6	

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
BIO 206 Human Anatomy and Physiology II	4	___
CHM 141 General, Organic, and Biochemistry I ¹	4	___
Any IAI Math OR MAT 108 College Algebra	3-4	___
MLT 120 Introduction to Clinical Lab	<u>3</u>	___
	14-15	

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
MLT 223 Immunohematology (1st 10 1/2 weeks)	4	___
MLT 228 Hematology and Hemostasis (1st 10 1/2 weeks)	5	___
MLT 251 Clinical Rotation I (Last 6 1/2 weeks)	<u>3</u>	___
	12	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
BIO 226 General Microbiology ²	4	___
CHM 142 General, Organic, and Biochemistry II	4	___
MLT 121 Serology	1.5	___
MLT 122 Clinical Microscopy	1.5	___
MLT 123 Phlebotomy	<u>3</u>	___
	14	

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
MLT 225 Clinical Chemistry (1st 10 1/2 weeks)	4	___
MLT 229 Applied Clinical Microbiology (1st 10 1/2 weeks)	5	___
MLT 252 Clinical Rotation II (Last 6 1/2 weeks)	3	___
PSY 132 General Psychology	<u>3</u>	___
	1	

*Retention in the MLT program requires that the MLT students earn a grade of "C" or better in all MLT and natural science courses (chemistry, microbiology, anatomy and physiology). The student must achieve a "C" average in the MLT curriculum in order to graduate. If a student fails an MLT or a required natural science course, the course must be repeated with a passing grade ("A", "B", or "C"). MLT courses are only offered once a year, so the student will have to wait to take courses until the prerequisite course has been completed with a passing grade. All courses must be taken in sequence as specified by course prerequisites unless permission is granted by the program director. "C" average = 2.0 on a 4- pt. scale; 3.0 on a 5-pt. scale.

Students wanting to transfer to SIU-C in Health Care Management must complete ACC 200, BUS 215, and MAT 108.

¹ Students must have consent of instructor if they take MAT 108 concurrently.

² Requires a grade of "C" or higher.

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Additional Information:

The Profession. The Medical Laboratory Technician (MLT) is employed in clinical laboratories of hospitals, clinics, physician's offices, and other health care facilities performing varied laboratory procedures and diagnostic tests. Laboratory tests are performed on body fluids such as blood, which is obtained by the technician through venipuncture. The MLT works as a bench technician under the direct supervision of a physician and/or medical technologist in the areas of blood banking, clinical chemistry, hematology, microbiology, urinalysis, coagulation, and immunology. The MLT is an integral part of the health care team focused on providing optimum patient care. The technician monitors quality control, performs maintenance on equipment and instruments, applies basic scientific principles to laboratory techniques and procedures, recognizes factors that affect procedures and results (taking corrective action when indicated), relates laboratory findings to common disease processes, and interacts with other health care personnel and patients.

The Program. The Medical Laboratory Technology (two-year) Associate Degree Program is offered through the Southern Illinois Collegiate Common Market (SICCM) and is a cooperative program with John A. Logan College, Rend Lake College, Shawnee Community College, Kaskaskia College, and

Southeastern Illinois College. Each spring semester, students from each college are admitted to begin the program the following fall semester. Biology 205 should be taken prior to beginning the program.

MLT Program admission is non-discriminatory, but certain personal and physical attributes are key to success in the profession. These may include the following: good general physical health, good vision (may be corrected), good color vision, and good manual dexterity.

Students are admitted to the MLT program and register for all courses through their home campus. General education courses are taken at the home campus, but MLT core courses are taught at various campuses, requiring students to travel an hour or more to classes. When registering for courses, students should consider travel time between their home campus and campuses where MLT core courses are scheduled. MLT courses may be taught in the day and/or evening based on part-time faculty availability. MLT courses of the second year are taught in the first 10 1/2 weeks of the semester. Courses are scheduled back-to-back to reduce student travel time. Clinical rotations are required in the second year of the program. These consist of two 16-day rotations during the last 6 1/2 weeks of the semester and are completed in labs of area hospitals. Students will be assigned to clinical sites as close to their home as possible, but students may have to travel considerable distances.

The SICCM MLT Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119, telephone: (773) 714-8880. Students who have completed the program requirements are eligible to take the national certification examination offered by the Board of Certification of the American Society of Clinical Pathologists (ASCP). The certified graduate may then use the title "MLT (ASCP)."

Career Opportunities: Medical laboratory technician.

Major Employers: Clinical laboratories of hospitals, clinics, physician's offices, and other health care facilities performing laboratory procedures and diagnostic tests.

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Effective Date: Spring 2011



FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
ALH 101 Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification ¹	.5-1	___
BIO 206 Human Anatomy and Physiology II ²	4	___
CHM 141 General, Organic, and Biochemistry I	<u>4</u>	___
	8.5-9	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ADN 220 Nursing Care of Adult II	7	___
ADN 221 Family Nursing	5	___
ADN 231 Advanced Pharmacology II	1.5	___
BIO 226 General Microbiology ²	<u>4</u>	___
	17.5	

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ADN 201 Health Assessment and Nursing Care	4	___
ADN 202 Nursing Care of Adult I	7	___
ADN 213 Nursing Today & Tomorrow	2	___
ADN 218 Mental Health Issues in Nursing	3	___
ADN 230 Advanced Pharmacology I	<u>1.5</u>	___
	17.5	

SECOND YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
MAT 113 Introduction to Contemporary Mathematics ³ OR MAT 120 Elementary Statistics ³ OR MAT 104 Mathematics for Allied Health	3	___
SPE 115 Speech OR SPE 116 Interpersonal Communication	<u>3</u>	___
	6	

* Students must maintain "C" or higher in all courses. All students must complete the practical nursing curriculum. All PN courses must be completed with a "C" or better prior to beginning ADN courses. It is strongly recommended that all ADN general education courses are completed prior to beginning the ADN program. The following courses are included in the minimum hours of this degree:

Course	Credit Hours	Course	Credit Hours
BIO 205 Human Anatomy and Physiology I	4	PNE 171 Pharmacology in Nursing II	2
ENG 101 English Composition I	3	PNE 194 Community Nursing Clinical	1
PNE 100 Nutrition	3	PNE 209 I.V. Therapy (or comparable I.V. course)	.5
PNE 101 Fundamentals of Nursing	3	PSY 132 General Psychology	<u>3</u>
PNE 105 Nursing Throughout the Life Cycle	2		
		TOTAL CREDIT HOURS	21.5

ATI scores at Level 2 are required before a course grade will be issued. ATI National Average Score must be obtained on RN Predictor prior to exiting the program. (2 attempts maximum)

A national licensure examination test must be passed in order to be employed in this career.

¹ Students must be certified in CPR annually (ALH 102 CPR Recertification) before starting Clinical Rotations.

² Courses are not offered every semester and must be taken the semester indicated or before.

³ Recommended for transfer students.

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Additional Information: The Associate Degree Nursing Program provides practical nurses the opportunity to achieve an associate degree in nursing and take the NCLEX-RN Exam; builds on the practical nurse program of education in communication skills, nursing process, anatomy, physiology, pathophysiology, nutrition, pharmacology, psychology, and basic nursing skills; provides appropriate educational opportunities to prepare the graduate to adhere to standards and scope of practice as set forth in the Illinois Nursing Act of 2000; and creates an environment that encourages lifelong learning and professional development.

This unique program is designed to prepare the student for the practice of professional nursing as defined in the Illinois Nursing Act and meets the requirements for schools approved for associate degree nursing by the Illinois Department of Professional Regulation.

The applicant should contact the Assessment Office at the College to request an admissions packet for the Associate Degree Nursing Program. The steps to be followed are specified in the packet.

In addition to completing a College application, the applicant must be able to do the following:

- provide proof of successful completion of an approved school of practical nursing
- successfully complete the associate degree nursing pre-entrance examination and the ASSET Test
- successfully demonstrate knowledge and abilities of fundamental nursing skills
- provide proof of sound health to practice nursing; and be eligible for nursing licensure in Illinois.

The selection procedures are listed in the admissions packet.

The goals of the ADN program are as follows:

1. To prepare nurses who possess the competencies defined by the ADN Council of the NLN and adhere to the standards and scope of practice set forth in the Illinois Nursing Act of 2007 and American Nursing Association Standards.
2. To support and encourage professional continuing education.
3. To actively maintain and pursue articulation with baccalaureate-level nursing programs.
4. To collaborate with district and regional health care providers to identify entry level employment skills required of ADN graduates.
5. To work with all College departments to provide a high-quality education.
6. To prepare graduates to live and work in a globally interdependent and multicultural society.
7. To maintain faculty, physical facilities, equipment, and clinical facility contracts conducive to a positive learning environment.
8. To serve as a resource to nursing professionals in the area.

Upon satisfactory completion of the program, the student will be eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Career Opportunities: Specializations include obstetrics, surgery, intensive care unit, medical/surgical, emergency room, pediatrics, dialysis, case management, public health, insurance, office nursing and administration, home health.

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Effective Date: Spring 2013



FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Gr.
ADN	203	Intro to Conceptual Framework ¹	3	___
ADN	206	Cardiovascular Nursing Interventions	<u>3</u>	___
			6	

FIRST YEAR – INTERSESSION

Dept.	No.		Hrs.	Gr.
ADN	226	Neuro/Sensory Nursing Interventions	<u>3</u>	___
			3	

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
ADN	205	Respiratory Nursing Intervention	3	___
ADN	207	Metabolic/Endocrine Nursing Interventions	3	___
ADN	212	Psychiatric Nursing Interventions	2	___
ADN	224	Obstetrical Nursing Interventions	2	___
ADN	230	Pharmacology I	<u>1.5</u>	___
			11.5	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ADN	210	GI/GU Nursing Interventions	3	___
ADN	223	Pediatric Nursing Interventions	2	___
ADN	225	Ortho/Derm Nursing Interventions	3	___
ADN	228	Nursing Leadership Today & Tomorrow	3	___
ADN	231	Advanced Pharmacology II	<u>1.5</u>	___
			12.5	

*The following courses are prerequisites for this degree: ALH 101 Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification¹, BIO 206 Human Anatomy and Physiology II², BIO 226 General Microbiology², CHM 141 General, Organic, and Biochemistry I, Intro to Contemporary Mathematics³ OR MAT 120 Elementary Statistics³ OR Mat 104 Mathematics for Allied Health, SPE 115 Speech OR SPE 116 Interpersonal Communication.

**Students must maintain “C” or higher in all courses. All students must complete the practical nursing curriculum and be listed as good standing as an LPN on IDFPR. All PN and ADN general education courses must be completed with a “C” or better prior to beginning ADN Hybrid Online courses. The following courses are included in the minimum hours of this degree:

<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 205 Human Anatomy and Physiology I	4	PNE 171 Pharmacology in Nursing II	2
ENG 101 English Composition I	3	PNE 194 Community Nursing Clinical	1
PNE 100 Nutrition	3	PNE 209 I.V. Therapy (or comparable I.V. course)	.5
PNE 101 Fundamentals of Nursing	3	PSY 132 General Psychology	<u>3</u>
PNE 105 Nursing Throughout the Life Cycle	2		
		TOTAL CREDIT HOURS	21.5

ATI scores at Level 2 are required before a course grade will be issued. ATI National Average Score must be obtained on RN Predictor prior to exiting the program. (2 attempts maximum)

A comprehensive NCLEX online virtual review is required after the last class of the program.

Prior to acceptance an online general education course or Practical Nursing course must be successfully completed.

A national licensure examination test must be passed in order to be employed in this career.

¹ Students must be certified in CPR annually (ALH 102 CPR Recertification) before starting Clinical Rotations.

² Courses are not offered every semester and must be taken the semester indicated or before.

³ Recommended for transfer students.

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog). Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: The Associate Degree Nursing Program provides practical nurses the opportunity to achieve an associate degree in nursing and take the NCLEX-RN Exam; builds on the practical nurse program of education in communication skills, nursing process, anatomy, physiology, pathophysiology, nutrition, pharmacology, psychology, and basic nursing skills; provides appropriate educational opportunities to prepare the graduate to adhere to standards and scope of practice as set forth in the Illinois Nursing Act of 2000; and creates an environment that encourages lifelong learning and professional development.

This unique program is designed to prepare the student for the practice of professional nursing as defined in the Illinois Nursing Act and meets the requirements for schools approved for associate degree nursing by the Illinois Department of Professional Regulation.

The applicant should contact the Assessment Office at the College to request an admissions packet for the Associate Degree Nursing Program. The steps to be followed are specified in the packet.

In addition to completing a College application, the applicant must be able to do the following:

- provide proof of successful completion of an approved school of practical nursing
- successfully complete the associate degree nursing pre-entrance examination and the ASSET Test
- successfully demonstrate knowledge and abilities of fundamental nursing skills
- provide proof of sound health to practice nursing; and be eligible for nursing licensure in Illinois.

The selection procedures are listed in the admissions packet.

The goals of the ADN program are as follows:

1. To prepare nurses who possess the competencies defined by the ADN Council of the NLN and adhere to the standards and scope of practice set forth in the Illinois Nursing Act of 2007 and American Nursing Association Standards.
2. To support and encourage professional continuing education.
3. To actively maintain and pursue articulation with baccalaureate-level nursing programs.
4. To collaborate with district and regional health care providers to identify entry level employment skills required of ADN graduates.
5. To work with all College departments to provide a high-quality education.
6. To prepare graduates to live and work in a globally interdependent and multicultural society.
7. To maintain faculty, physical facilities, equipment, and clinical facility contracts conducive to a positive learning environment.
8. To serve as a resource to nursing professionals in the area.

Upon satisfactory completion of the program, the student will be eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Career Opportunities: Specializations include obstetrics, surgery, intensive care unit, medical/surgical, emergency room, pediatrics, dialysis, case management, public health, insurance, office nursing and administration, home health.

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Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Fall 2016



FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
ALH 101 Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification ¹	.5-1	___
BIO 206 Human Anatomy and Physiology II ²	4	___
CHM 141 General, Organic, and Biochemistry I	<u>4</u>	___
	8.5-9	

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ADN 201 Health Assessment and Nursing Care	4	___
ADN 202 Nursing Care of Adult I	<u>7</u>	___
	11	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ADN 213 Nursing Today & Tomorrow	2	___
ADN 218 Mental Health Issues in Nursing	3	___
ADN 230 Advanced Pharmacology I	<u>1.5</u>	___
	6.5	

SECOND YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
MAT 113 Introduction to Contemporary Mathematics ³ OR MAT 120 Elementary Statistics ³ OR MAT 104 Mathematics for Allied Health	3	___
SPE 115 Speech OR SPE 116 Interpersonal Communication	<u>3</u>	___
	6	

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ADN 221 Family Nursing	5	___
BIO 226 General Microbiology ²	<u>4</u>	___
	9	

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ADN 220 Nursing Care of Adult II	7	___
ADN 231 Advanced Pharmacology II	<u>1.5</u>	___
	8.5	

* Students must maintain "C" or higher in all courses. All students must complete the practical nursing curriculum. All PN courses must be completed with a "C" or better prior to beginning ADN courses. It is strongly recommended that all ADN general education courses are completed prior to beginning the ADN program. The following courses are included in the minimum hours of this degree:

<u>Course</u>	<u>Credit Hours</u>	<u>Course</u>	<u>Credit Hours</u>
BIO 205 Human Anatomy and Physiology I	4	PNE 171 Pharmacology in Nursing II	2
ENG 101 English Composition I	3	PNE 194 Community Nursing Clinical	1
PNE 100 Nutrition	3	PNE 209 I.V. Therapy (or comparable I.V. course)	.5
PNE 101 Fundamentals of Nursing	3	PSY 132 General Psychology	<u>3</u>
PNE 105 Nursing Throughout the Life Cycle	2		
		TOTAL CREDIT HOURS	21.5

ATI scores at Level 2 are required before a course grade will be issued. ATI National Average Score must be obtained on RN Predictor prior to exiting the program. (2 attempts maximum)

A national licensure examination test must be passed in order to be employed in this career.

¹ Students must be certified in CPR annually (ALH 102 CPR Recertification) before starting Clinical Rotations.

² Courses are not offered every semester and must be taken the semester indicated or before.

³ Recommended for transfer students.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: The Associate Degree Nursing Program provides practical nurses the opportunity to achieve an associate degree in nursing and take the NCLEX-RN Exam; builds on the practical nurse program of education in communication skills, nursing process, anatomy, physiology, pathophysiology, nutrition, pharmacology, psychology, and basic nursing skills; provides appropriate educational opportunities to prepare the graduate to adhere to standards and scope of practice as set forth in the Illinois Nursing Act of 2000; and creates an environment that encourages lifelong learning and professional development.

This unique program is designed to prepare the student for the practice of professional nursing as defined in the Illinois Nursing Act and meets the requirements for schools approved for associate degree nursing by the Illinois Department of Professional Regulation.

The applicant should contact the Assessment Office at the College to request an admissions packet for the Associate Degree Nursing Program. The steps to be followed are specified in the packet.

In addition to completing a College application, the applicant must be able to do the following:

- provide proof of successful completion of an approved school of practical nursing
- successfully complete the associate degree nursing pre-entrance examination and the ASSET Test
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1. To prepare nurses who possess the competencies defined by the ADN Council of the NLN and adhere to the standards and scope of practice set forth in the Illinois Nursing Act of 2007 and American Nursing Association Standards.
2. To support and encourage professional continuing education.
3. To actively maintain and pursue articulation with baccalaureate-level nursing programs.
4. To collaborate with district and regional health care providers to identify entry level employment skills required of ADN graduates.
5. To work with all College departments to provide a high-quality education.
6. To prepare graduates to live and work in a globally interdependent and multicultural society.
7. To maintain faculty, physical facilities, equipment, and clinical facility contracts conducive to a positive learning environment.
8. To serve as a resource to nursing professionals in the area.

Upon satisfactory completion of the program, the student will be eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Career Opportunities: Specializations include obstetrics, surgery, intensive care unit, medical/surgical, emergency room, pediatrics, dialysis, case management, public health, insurance, office nursing and administration, home health.

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Effective Date: Spring 2013



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
HIT 217	Medical Terminology	3	___
ENG 101	English Composition I	3	___
OTA 110	Clinical Observation	2	___
OTA 130	Introduction to Occupational Therapy	2	___
OTA 131	Disease and Impact on Occupation	3	___
OTA 132	Occupational Development	1	___
OTA 210	Occupational Therapy Theory I	4	___
		<u>18</u>	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
OTA 200	Psychosocial Therapy and Practice	3	___
OTA 205	Occupational Therapy in Pediatrics	4	___
OTA 230	Clinical Rotation II	2	___
OTA 231	Occupational Therapy Theory II	1.5	___
OTA 232	Aging and Impact on Occupation	1.5	___
PSY 262	Child Psychology	3	___
		<u>15</u>	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
BIO 206	Human Anatomy and Physiology II	4	___
OTA 112	Activities of Daily Living	3	___
OTA 120	Occupational Therapeutic Media	3	___
OTA 122	Occupational Therapy Group Process	2	___
OTA 133	Clinical Rotation I	1	___
OTA 134	OT in Physical Disabilities	3	___
PSY 132	General Psychology	3	___
		<u>19</u>	

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
OTA 217	Fieldwork Experience I ¹ (Class meets 8 weeks)	4.5	___
OTA 218	Fieldwork Experience II ¹ (Class meets 8 weeks)	4.5	___
OTA 250	Occupational Therapy Administration	3	___
		<u>12</u>	

FIRST YEAR – SUMMER SEMESTER

Dept. No.		Hrs.	Gr.
MAT 120	Elementary Statistics OR MAT 104 Mathematics for Allied Health	3	___
SPE 115	Speech	3	___
		<u>6</u>	

*BIO 205 - Human Anatomy and Physiology I is a prerequisite for this program.

Students must maintain "C" overall average plus "C" or better in all OTA classes and all required general education classes.

¹ Must be completed within 18 months of academic coursework.

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information:

The OTA courses have both lecture and hands-on laboratory components. Portions of the lecture section of some OTA courses are web-based. During the program, students will develop entry-level competencies necessary to provide services to persons of all ages who have functional loss due to physical, neurological, social/emotional, cognitive, or developmental disabilities.

The Occupational Therapy Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the **American Occupational Therapy Association (AOTA)**
4720 Montgomery Lane
Suite 200
Bethesda, Maryland 20814-3449

The profession tailors rehabilitation individually for each client. Through evaluation and treatment, it seeks to restore or improve function in occupational performance. Treatment is provided within the context of the client's life environments and relationships. Occupation may be defined as the ordinary things people do each day to work, to play, and to take care of themselves. Occupational therapy is based on the idea that our personal identity and feeling of value is closely tied to what we are able to do. We all choose many "occupational" roles that are important to us and make us excited to engage in life. When our function becomes impaired, we may lose both our independence and sense of self-worth.

The practice of OT utilizes the therapeutic use of purposeful and meaningful occupations in treatment, as well as focusing on these occupations as the goal of treatment. OT intervention may include restoration of performance abilities; instruction in compensatory techniques; adaptation of tasks, processes, or environments; disability prevention techniques; and health promotion strategies. Occupational therapy assistants, under the supervision of an occupational therapist, will work directly with persons to achieve a maximum level of independent living by developing the capacities that remain after disease, accident, or other disability.

OT serves a diverse population in a wide variety of settings such as hospitals; clinics; facilities for rehabilitation, extended, and long-term care; sheltered workshops; schools; camps; private homes; physicians' offices; community programs; and private practice.

Admission Requirements

1. Graduate from an approved high school, or demonstrate equivalent competency (G.E.D. examination).
2. Complete general admission procedures for John A. Logan College.
3. By March 1, file the following OTA application information with the Assessment Office at John A. Logan College:
 - A. Completed OTA application form.
 - B. Health Occupations Aptitude Test results.
 - C. Official transcripts of previous college experience.
4. Achieve competitive level on a composite selection score for the College. The five top-scoring applicants are awarded admission. This score is based upon the Health Occupations Aptitude Examination--Revised test results and weighted grades for previous college coursework taken within, or transferring to, the occupational therapy assistant required curriculum.

Accreditation Status

The SICCM Occupational Therapy Assistant Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P. O. Box 31220, Bethesda, MD 20824-1220. ACOTE's phone number c/o AOTA is 301-652-AOTA. Program graduates will qualify to sit for the National Board for Certification in Occupational Therapy, Inc. (NBCOT) national certification examination. This is a computer-delivered examination. Successful completion of this exam confers the title of Certified Occupational Therapy Assistant (COTA). Illinois and most states additionally require licensure to practice, usually basing this on the NBCOT exam results. A felony conviction may adversely affect ability to sit for the NBCOT exam and/or attain state licensure.

The Associate in Applied Science degree in occupational therapy assistant is offered at five community colleges through the Southern Illinois Collegiate Common Market. Five students are admitted from each college for an entering total of twenty-five. Admitted students take general education courses on their own campuses and OTA courses together in a central laboratory. After classes and the fieldwork internship are completed, they graduate at their entering college.

Career Opportunities: An occupational therapy assistant (OTA) provides services to persons of all ages who have functional loss due to physical, neurological, social/emotional, cognitive, or developmental disabilities.

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Effective Date: Spring 2015



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
BUS 110 Introduction to Business	3	___
CIS 207 Computer Applications	3	___
ENG 101 English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	___
MAT 113 Introduction to Contemporary Mathematics OR BUS 111 Business Mathematics	3	___
MKT 130 Sales I	3	___
PSY 132 General Psychology	3	___
	18	

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
BUS 222 Legal/Social Environment of Business	3	___
BUS 235 Business Correspondence	3	___
BUS 255 Customer Service	3	___
ECO 201 Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	___
MKT 113 Principles of Marketing I Business Elective ²	3	___
	18	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ACC 100 Business Accounting	3	___
IAI Humanities/Fine Arts Elective OR IAI Physical Science/Life Science Elective	3	___
SPE 115 Speech	3	___
Business Elective ²	3	___
Business Elective ²	2	___
Business Elective ²	3	___
	17	

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ACC 105 Payroll Accounting	3	___
MGT 112 Principles of Management	3	___
MGT 228 Small Business Management Business Elective ²	3	___
	12	

Fall Only Courses:

BUS 255
MKT 130

Spring Only Courses:

ACC 105
CIS 105
CIS 245
MGT 112
MGT 228

¹ Requires a grade of "C" or higher.

² Business electives may include the following prefixes: ACC, BUS, CIS, ECO, MGT, MKT (recommended CIS 104, CIS 120, CIS 220, CIS 225, CIS 240, CIS 245)

The Business Management AAS Degree (BUS 2006) is the parent program to: Business Management Certificate Program (BUS 2007)

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Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: entry-level management positions in retail management, sales management, office management, and restaurant management; possible career opportunities within local, state, and federal government agency facilities.

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Effective Date: Fall 2015



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ELT 102	Basic Electricity and Wiring	4	___
ELT 125	Energy Auditing & Thermography	4	___
ELT 143	Renewable Energy Principles	3	___
HAC 121	Heating I	4	___
HAC 140	Weatherization	3	___
		<u>18</u>	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 224	Power Distribution and Motors	3	___
ELT 243	Renewable Energy Systems	3	___
ELT 260	Introduction to Hydropower	3	___
HAC 122	Heating II	4	___
PHY 121	Technical Physics	3	___
		<u>16</u>	

FIRST YEAR – SUMMER SEMESTER (OPTIONAL)

Dept. No.		Hrs.	Gr.
ATI 200	Applied Technologies Internship ¹ OR PSY 110 College Success and Career Planning ¹	1-3	___

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
CIS 101	Introduction to Computers ¹ (optional)	3	___
ECO 201	Introduction to Macroeconomics	3	___
ENG 101	English Composition I ² OR ENG 113 Professional Technical Writing ²	3	___
SPE 115	Speech	3	___
	Approved Elective ³	<u>3</u>	___
		12-15	

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
HAC 131	Refrigeration & Air Conditioning I	4	___
HAC 224	Geothermal Systems	3	___
HAC 241	Building Systems Performance	3	___
MAT 113	Intro to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3-4	___
	Approved Elective ³	<u>3</u>	___
		16-17	

Fall Only Courses

ELT 102
ELT 125
ELT 143
HAC 121
HAC 140
HAC 240
MFT 103

Spring Only Courses

ELT 243
ELT 260
ELT 270
HAC 107
HAC 122
HAC 131
HAC 224

* The Sustainable Energy AAS Degree is offered through the Illinois Green Economy Network's Career Pathways Project in conjunction with Southeastern Illinois College and Heartland Community College.

¹ Although ATI 200 or PSY 110 and CIS 101 are recommended, they are not required for graduation from this program and therefore are ineligible for Title IV financial aid funding. CIS 101 is recommended to provide students with adequate computer skills necessary for success in the program.

² Requires a grade of "C" or higher.

³ Students can choose approved electives offered through John A. Logan College, Heartland Community College, or Southeastern Illinois College. Some electives may be offered online. Please seek assistance from your advisor to enroll in these electives.

Course Number	Course Title	Credit Hours	College
ELT 270	Introduction to Smart Grid	3	John A. Logan College
ENGY 111	Intro to Biofuels	3	Southeastern Illinois College
ENGY 131	Biodiesel Production	3	Southeastern Illinois College
HAC 107	Electrical Controls and Circuitry	3	John A. Logan College
HAC 240	Installation of HVAC Systems	3	John A. Logan College
MAC 180	Blueprint Reading	3	John A. Logan College
MFT 103	Industrial Robots and PLCs	3	John A. Logan College
REEC 220	Solar Thermal Systems	3	Heartland Community College
REEC 120	Renewable Energy & Sustainability	3	Heartland Community College

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Effective Date: Spring 2015

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

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All students registered for heating and air conditioning classes are required to furnish a basic tool set. The basic tool set will be necessary by the beginning of the fifth week of the semester. The set includes the following:

Nutdrivers

- Nutdriver ND5 ¼"
- Nutdriver ND7 5/16"
- Manifold Gauge Set

Pliers

- 7" Diagonal Pliers
- 7 ½" Longnose Pliers
- 6" Slip Joint Pliers
- ARC Joint 9-1/2" Pliers

Screwdrivers

- Phillips Stubby Screwdriver
- #2 x 4" Phillips Screwdriver
- Flat Stubby Screwdriver
- 3/16" x 6" Slotted Screwdriver
- 5/16" x 6" Slotted

Sockets

- 1/4" Socket Set
- 3/8" Socket Set

Wrenches

- 6" Adjustable Wrench
- 8" Adjustable Wrench
- 10" Adjustable Wrench
- 12" Adjustable Wrench
- Hex Wrench Set
- Service Valve Wrench

Additional Tools

- Wire Strippers
- AW Sperry SPR Clamp-On Amp Meter
- UEI M110A Multimeter
- Pocket Thermometer
- Inspection Mirror
- Sling Psychrometer
- Red and Green Tin Snips
- Tinnerns Hammer
- Dividers

Note: Costs of supplies vary by supplier. Tools may be purchased at Sears, Snap-On, True Value, etc.

Additional Information: This program prepares students for careers in the heating and air conditioning industry with an emphasis on energy efficiency and pollution reduction. The curriculum provides theory as well as sufficient laboratory experience to prepare graduates for immediate employment. Students will be trained for competency in installing, operating, troubleshooting, and maintaining all types of environmental control equipment. Besides becoming specialized HVAC technicians, students may choose to pursue careers as energy auditors, weatherization installers, or obtain more specific accreditations such as BPI Certification (Building Performance Institute, Inc.) and be nationally qualified for residential energy efficiency retrofitting.

Students are required to sit for EPA testing which is required for buying and handling refrigeration. The testing agency sets the price of the test.

Career Opportunities: Energy Auditor, Technician, Installer, Maintenance Service Manager, HVAC Energy Efficiency Specialist, Hydroelectric Production Managers, Geothermal Technicians, Weatherization Installers, Power Plan Operators, Biofuels Production Managers, Maintenance and Repair Workers



FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
BIO	226	General Microbiology	4	___
MAT	120	Elementary Statistics (IAI) OR MAT 104 Mathematics for Allied Health	3	___
VET	110	Small Animal Nursing I	3	___
VET	112	Animal Anatomy and Physiology I	4	___
VET	117	Animal Radiology	2	___
VET	118	Veterinary Practice Management	2	___
			<u>18</u>	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
SPE	115	Speech	3	___
VET	219	Animal Clinical Lab II	3	___
VET	233	Animal Surgical Technology II	3	___
VET	238	Animal Pharmacology II	2	___
VET	239	Animal Diseases	2	___
		Social Science Elective (IAI Approved)	<u>3</u>	___
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
VET	111	Small Animal Nursing II	3	___
VET	113	Animal Anatomy and Physiology II	3	___
VET	116	Large Animal Nursing	3	___
VET	119	Animal Clinical Lab I	3	___
VET	133	Animal Surgical Technology I	3	___
VET	138	Animal Pharmacology I	2	___
			<u>17</u>	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ENG	101	English Composition I	3	___
VET	235	Laboratory and Exotic Animals	3	___
VET	232	Vet Tech Internship II	4	___
VET	236	Animal Management and Nutrition	<u>3</u>	___
			13	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Gr.
VET	231	Vet Tech Internship I	<u>3</u>	___
			3	

*All courses require a grade of "C" or higher.

****The Veterinary Technology Program is no longer accepting students at John A. Logan College. Students with questions about other programs being taught at John A. Logan College are encouraged to contact the Office of Academic Advisement at 618-985-3741, extension 8070. Students currently enrolled in this major are following the Teach-Out Model through May 2018.**

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Additional Information: The applicant should contact the Assessment Office of the College to request an admissions packet for the Veterinary Technology AAS Degree Program. The steps to be followed are specified in the packet. The veterinary technology major in Applied Science is offered at the community colleges through the Southern Illinois Collegiate Common Market (SICCM). Students take general education courses on their own campuses and VET courses together in a central classroom. Students are required to earn a "C" or better in all program courses. Students withdrawing or failing the Veterinary Technology Program must follow the application procedure outline in the packet provided by each college for re-entry. A student success plan/contract will accompany the readmission to assure student success in the program. Students are allowed to re-enter only if space is available after all new and continuing students from your respective college are admitted for the requested school year.

Graduates of the program will qualify to sit for the national certification examination (VTNE exam). Successful completion of this exam confers the title of Certified Veterinary Technician.

The SICCM Veterinary Technology Program is accredited by the American Veterinary Medical Association, 1931 N Meacham Road, Suite 100, Schaumburg, IL 60173-4360. Telephone: 847-925-8070, Fax: 847-925-1329

Career Opportunities: Veterinary Technicians typically conduct clinical work in a private practice under the supervision of a veterinarian. Additional job opportunities include working in animal shelters, wildlife rehabilitation, medical research laboratories, and private industry.

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Effective Date: Fall 2013



FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
IND	201	Metallurgy	2	___
MAT	113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies	3	___
WEL	150	Oxy-Acetylene Fusion Welding I	1	___
WEL	151	Oxy-Acetylene Fusion Welding II	2	___
WEL	152	Brazing & Soldering	1	___
WEL	153	Oxy-Acetylene Cutting	1	___
WEL	154	Arc Welding I	2	___
WEL	155	Arc Welding II	2	___
WEL	156	Arc Welding III	1	___
WEL	200	Welding Theory	<u>2</u>	___
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ENG	101	English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	___
MAC	180	Blueprint Reading	3	___
WEL	157	Arc Welding IV	1	___
WEL	158	Arc Welding V	1	___
WEL	159	Arc Welding	1	___
WEL	160	M.I.G. Welding	2	___
WEL	161	Cored Wire Welding	2	___
WEL	162	T.I.G. Welding	1	___
WEL	163	Weld Testing & Inspection ¹	2	___
WEL	198	T.I.G. Welding Aluminum	1	___
WEL	199	T.I.G. Welding Stainless Steel	<u>1</u>	___
			18	

Fall only courses: Spring only courses:

IDM 210 DRT 192
MAC 200

¹ Requires a grade of "C" or higher.

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Upon successful completion of the AAS degree, the student will have the opportunity to enter the workforce as a welding technician. The program will prepare graduates for entry into union trades positions including boilermakers, plumbers & pipefitters, structural steel workers, rail car repair and general maintenance; small and medium job shops.

The Welding Program is accredited by: American Welding Society 8669 NW 36 Street, Suite 130, Doral, FL 33116

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Effective Date: Spring 2015



FALL SEMESTER

Dept. No.		Hrs.	Gr.
ACC 200	Financial Accounting I	3	—
BUS 116	Keyboarding I ¹	3	—
BUS 135	Office Language Skills	3	—
MAT 113	Introduction to Contemporary Mathematics OR	3-4	—
	MAT 108 College Algebra OR		
	BUS 111 Business Mathematics		
Business Elective ²		<u>2-3</u>	—
		14-16	

SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ACC 105	Payroll Accounting	3	—
ACC 201	Financial Accounting II	3	—
BUS 117	Keyboarding II ¹	3	—
BUS 236	Records Management	1	—
CIS 104	Spreadsheet Design	3	—
SPE 115	Speech OR	<u>3</u>	—
	SPE 116 Interpersonal Communication	16	

Fall Only Courses Spring Only Courses

BUS 255
CIS 110BUS 117
CIS 210CIS 105

ACC 105

¹ Proficiency exams are available for BUS 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) and BUS 117 (requiring 55 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Department for information.

² Recommended Electives:

BUS 110	Introduction to Business	3
BUS 235	Business Correspondence	3
BUS 255	Customer Service	3
CIS 105	Current Operating System/Security	3
CIS 110	Introduction to Word Processing	2
CIS 120	Database Management	3
CIS 210	Presentation Graphics	2

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Bookkeeping-Clerical Studies Certificate Program \(00BUS0053\)](http://www.jalc.edu/gainful_employment/bookkeeping_clerical_studies/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar:
http://www.jalc.edu/gainful_employment/bookkeeping_clerical_studies/Gedt.html

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Effective Date: Spring 2017

Additional Information: This is a one-year program leading to a Certificate of Achievement. It is designed to prepare bookkeepers and general clerical office workers. Accounting courses develop the ability to analyze and record business transactions; other business courses help to develop necessary office skills and a knowledge of office procedures.

Career Opportunities: Graduates of the program are qualified to fill positions such as the following: general bookkeeper, accounts receivable clerk, accounts payable, clerk, payroll clerk, file clerk, civil service employee, and many general and combination office positions requiring some knowledge of bookkeeping.



FIRST YEAR — FALL SEMESTER

Dept. No.	Hrs.	Gr.
ACC 200 Financial Accounting I	3	___
MAT 113 Introduction to Contemporary Mathematics OR	<u>3</u>	___
MAT 108 College Algebra OR	6	___
BUS 111 Business Mathematics		

FIRST YEAR — SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ACC 105 Payroll Accounting	3	___
ACC 201 Financial Accounting II	<u>3</u>	___
	6	___

Fall Only Courses:

ACC 218

Spring Only Courses:

ACC 105
ACC 225
CIS 220

SECOND YEAR — FALL SEMESTER

Dept. No.	Hrs.	Gr.
ACC 202 Managerial Accounting	3	___
ACC 218 Tax Accounting	3	___
CIS 104 Spreadsheet Design	3	___
SPE 115 Speech OR	<u>3</u>	___
SPE 116 Interpersonal Communication	12	___

SECOND YEAR — SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ACC 225 Integrated Accounting on Computers	3	___
CIS 220 Advanced Spreadsheet Design	<u>3</u>	___
	6	___

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Accounting Certificate Program \(00ACC0063\)](http://www.jalc.edu/gainful_employment/accounting/Gedt.html). You can also access this information by typing the following URL into your browser's address bar: http://www.jalc.edu/gainful_employment/accounting/Gedt.html

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Effective Date: Spring 2017

Additional Information: This program, composed largely of accounting courses, is designed for the student who desires to gain and/or increase skills in the area of accounting. Successful completion of the program will lead to the awarding of a certificate of achievement.

Career Opportunities: Accounting Clerk, Bookkeeping Clerk, Payroll Clerk.



FALL SEMESTER

Dept. No.		Hrs.	Gr.
BUS 116	Keyboarding I ¹	3	___
BUS 135	Office Language Skills	3	___
BUS 255	Customer Service	3	___
CIS 101	Introduction to Computers OR	<u>3</u>	___
	CIS 207 Computer Applications	12	___

SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ACC 100	Business Accounting OR	3	___
	ACC 200 Financial Accounting I		
BUS 235	Business Correspondence	3	___
MGT 112	Principles of Management	3	___
SPE 115	Speech OR	<u>3</u>	___
	SPE 116 Interpersonal	12	___
	Communication		

<u>Fall Only Courses</u>	<u>Spring Only Courses</u>
BUS 255	MGT 112

¹ Proficiency exams are available for BUS 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) and BUS 117 (requiring 55 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Department for information.

The Customer Service Certificate Program (00BUS0021) is an ICCB approved extension of the Administrative Assistant AAS Degree (00BUS0009).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Customer Service Certificate Program \(00BUS0021\)](http://www.jalc.edu/gainful_employment/customer_service/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar: http://www.jalc.edu/gainful_employment/customer_service/Gedt.html.

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Effective Date: Fall 2015

Career Opportunities: Students successfully completing this program will receive a Certificate of Achievement. This one-year curriculum provides students with the training required to fill support services positions such as a customer service representative or associate in any type of business or other organization.



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
IPP 111 Non-Verbal Language	3	___
IPP 141 American Sign Language (ASL I) ^{1,2}	<u>4</u>	___
	7	

SECOND YEAR – FALL SEMESTER*

Dept. No.	Hrs.	Gr.
IPP 143 American Sign Language (ASL III) ¹	5	___
IPP 211 ASL Linguistics I	<u>3</u>	___
	8	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
IPP 142 American Sign Language (ASL II) ^{1,2}	4	___
IPP 151 Deaf Studies/Culture	<u>3</u>	___
	7	

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
IPP 212 ASL Linguistics II	3	___
IPP 244 ASL IV–Survey of ASL Literature ¹	<u>4</u>	___
	7	

FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
IPP 144 ASL Classifiers	<u>3</u>	___
	3	

¹ A grade of “C” or higher is required in:

- IPP 141 American Sign Language (ASL I)
- IPP 142 American Sign Language (ASL II)
- IPP 143 American Sign Language (ASL III)
- IPP 244 ASL IV–Survey of ASL Literature

² Competency in American Sign Language communication (“C” or better in IPP 141 and 142) must be achieved before starting second year of classes.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–ASL Deaf Studies Certificate Program \(IPP0192\)](http://www.jalc.edu/gainful_employment/asl_deaf_studies/Gedt.html).

You can also access this information by typing the following URL into your browser’s address bar:

http://www.jalc.edu/gainful_employment/asl_deaf_studies/Gedt.html

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Effective Date: Spring 2013

Additional Information: This certificate program is designed to train individuals to become competent using American Sign Language with the deaf and hard-of-hearing population. The program introduces students to the history, characteristics, and needs of the hard of hearing along with American Sign Language.

Career Opportunities: Graduates of this program would work in the public school system, kindergarten through twelfth grade, as teachers assistants. Graduates of this program would also be able to tutor deaf and hard of hearing children and provide other support services for deaf and hard of hearing children, work as job coaches for deaf and hard of hearing adults, in rehabilitation facilities with deaf and hard of hearing persons, and in any situation where skill in American Sign Language is required. This program would also assist interpreters to improve their general interpreting skills by providing additional language training.



**PAINT AND METAL TECHNICIAN
Certificate Program**

Career Curriculum AUT 0115
Certificate Program
Minimum Hrs. 18
Major Code: 1.2 470603K

Dept.	No.		Hrs.	Gr.
ACT	190	Auto Body Repair I	2	_____
ACT	191	Metal Finishing and Painting	2	_____
ACT	192	Frame and Body Alignment	2	_____
ACT	193	Advanced Auto Body Repair	1	_____
ACT	194	Body Shop Management	1	_____
ACT	196	Auto Body Lab	5	_____
ACT	197	Auto Body Repair and Paint Lab II	5	_____
			<u>18</u>	

The Paint & Metal Technician Certificate Program (AUT 0115) is an ICCB approved extension of the Auto Collision Technology Certificate Program (AUT 0014).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Paint and Metal Technician Certificate Program \(AUT 0115\)](http://www.jalc.edu/gainful_employment/paint_and_metal_technician/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar:
http://www.jalc.edu/gainful_employment/paint_and_metal_technician/Gedt.html

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Effective Date: Spring 2012

Career Opportunities: Auto Body Painter, Painter’s Helper, Paint Prepper, Auto Body Shop Receptionist, Entry-Level Metal Fabricator, Collision Technician



FALL SEMESTER

Dept. No.		Hrs.	Gr.
ACT 190	Auto Body Repair I	2	___
ACT 191	Metal Finishing and Painting	2	___
ACT 196	Auto Body Lab	5	___
ACT 294	Plastics and Adhesives	2	___
WEL 150	Oxy-Acetylene Fusion Welding I	1	___
WEL 160	M.I.G. Welding	2	___
WEL 196	M.I.G. Welding -- Aluminum	<u>1</u>	___
		15	

SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ACT 192	Frame and Body Alignment	2	___
ACT 193	Advanced Auto Body Repair	1	___
ACT 194	Body Shop Management	1	___
ACT 197	Auto Body Repair and Paint Lab II	5	___
ACT 273	Chassis Electrical	3	___
ACT 291	Mechanical Systems for Collision Technology	<u>2</u>	___
		14	

SUMMER SEMESTER

Dept. No.		Hrs.	Gr.
ACT 293	Structural Damage Repair	1	___
ACT 296	Structural Damage Repair Lab	<u>4</u>	___
		5	

FALL SEMESTER

Dept. No.		Hrs.	Gr.
AST 173	Braking Systems	4	___
AST 280	Air Conditioning	4	___
AST 281	Suspension and Steering	4	___
SPE 115	Speech	<u>3</u>	___
		15	

OPTIONAL

Dept. No.		Hrs.	Gr.
ATI 200	Applied Technologies Internship ¹	1-3	___

The Auto Collision Technology Certificate Program (AUT 0014) is the parent program to:

- Basic Paint Prep Technician Certificate Program (AUT 0114)
- Paint & Metal Technician Certificate Program (AUT 0115)
- Unibody Repair Technician Certificate Program (AUT 0116)

¹ Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Auto Collision Technology Certificate Program \(AUT0014\)](http://www.jalc.edu/gainful_employment/auto_collision_technology/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar: http://www.jalc.edu/gainful_employment/auto_collision_technology/Gedt.html

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Effective Date: Fall 2008
rev. 01/2013

Career Opportunities: Service Writer, Body Shop Estimator, Insurance Estimator, Auto Body Painter, Body Shop Manager, Collision Technician, Painter’s Helper, Detailer, Body Shop Receptionist, Entry-Level Auto Body Metal Fabricator, Auto Body Shop Owner



FIRST SEMESTER – FALL

Dept. No.	Hrs.	Gr.
First Half		
AST 172 Introduction to Automotive Services	2	___
AST 173 Braking Systems	4	___
Second Half		
AST 170 Engine Repair	4	___
AST 180A Basic Electrical Systems	2	___
	12	

SECOND SEMESTER – SPRING

Dept. No.	Hrs.	Gr.
First Half		
AST 171A Ignition Systems	4	___
AST 180B Starting and Charging Systems	2	___
Second Half		
AST 171B Fuel and Exhaust Systems	4	___
AST 180C Electrical Accessories	2	___
	12	

THIRD SEMESTER – FALL

Dept. No.	Hrs.	Gr.
First Half		
AST 200 Alternative Fuels	2	___
AST 280 Air Conditioning	4	___
Second Half		
AST 273 Automotive Computer Electronics	2	___
AST 281 Suspension and Steering	4	___
	12	

FOURTH SEMESTER – SPRING

Dept. No.	Hrs.	Gr.
First Half		
AST 270 Manual Drive Trains and Axles	4	___
AST 276 Emission Control Systems	2	___
Second Half		
AST 271 Automatic Transmissions/Transaxles	4	___
AST 279 ASE Testing	2	___
	12	
OPTIONAL		
Dept. No.	Hrs.	Gr.
ATI 200 Applied Technologies Internship ¹	1-3	___

¹ Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Auto Services Technology Certificate Program \(00AST0052\)](http://www.jalc.edu/gainful_employment/auto_services_technology/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar: http://www.jalc.edu/gainful_employment/auto_services_technology/Gedt.html

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**Effective Date: Fall 2008
 rev. 01/2013**

All students registered for Automotive Services Technology classes will be required to furnish a basic tool set. The set includes the following:

Drive Sockets (1/4" sq.)

- (10) 6-pt Standard (5/32" through 1/2")
- (10) 6-pt. Metric (4, 5, 5.5, 6 through 12 mm)
- (1) Quick Release Ratchet
- (1) Extension

Drive Sockets (3/8" sq.)

- (9) 6-pt. or 12-pt. Standard (3/8" through 7/8")
- (10) 6-pt. or 12-pt. Metric (10mm through 19mm)
- (1) Ratchet
- (1) Extension (3"), (1) Extension (6")

Drive Sockets (1/2" sq.)

- (4) 6-pt. or 12-pt. Standard (15/16", 1", 1 1/16", 1 1/8")
- (4) 6-pt. or 12-pt. Metric (21mm, 22mm, 24mm, 27mm)
- (1) Ratchet
- (1) Extension (3")

Wrenches (combination)

- (7) Standard (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
- (7) Metric (10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm)

Screwdrivers

- (2) Slotted (1 small, 1 large)
- (2) Phillips (1 small, 1 large)

Pliers

- (1) Slip Joint Pliers
- (1) Diagonal Cutting

Additional Tools

- (1) Hammer
- (1) Locking Tool Box

Additional Information: Principles of design and operation provide for an exact appreciation of the functions of automotive units. Coordinated laboratory work develops the ability to execute diagnostic tests and complete the repairs that are indicated. The curriculum prepares students for employment as line mechanics, diagnostic technicians, and industrial maintenance personnel, as well as shop managers, company technicians, factory representatives, or teachers.

Career Opportunities: Line mechanic, diagnostic technician, factory representative, factory technician, self-employment, automotive technician at dealerships, independent garages, automotive specialty shops, and parts-related businesses.



FIRST YEAR - FALL SEMESTER

Dept. No.		Hrs.	Gr.
BUS 110	Introduction to Business	3	___
BUS 235	Business Correspondence	3	___
BUS 255	Customer Service	3	___
ECO 201	Introduction to Macroeconomics OR	<u>3</u>	___
	ECO 202 Introduction to Microeconomics	12	___

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ACC 100	Business Accounting	3	___
MAT 113	Introduction to Contemporary Mathematics OR	3	___
	BUS 111 Business Mathematics		
MKT 113	Principles of Marketing I	3	___
MKT 130	Sales I	<u>3</u>	___
		12	___

FIRST YEAR - SPRING SEMESTER

Dept. No.		Hrs.	Gr.
BUS 222	Legal/Social Environment of Business	3	___
CIS 207	Computer Applications	3	___
IDM 120	Safety and Environmental Management	2	___
MGT 112	Principles of Management	3	___
MGT 228	Small Business Management	<u>3</u>	___
		14	___

Fall Only Courses:

BUS 255
MKT 113
MKT 130

Spring Only Courses:

IDM 120
MGT 112
MGT 228

The Business Management Certificate Program (BUS 2007) is an ICCB approved extension of the Business Management AAS Degree (BUS 2006).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Business Management Certificate Program \(BUS 2007\)](http://www.jalc.edu/gainful_employment/business_management/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar: http://www.jalc.edu/gainful_employment/business_management/Gedt.html

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Effective Date: Fall 2015

Career Opportunities: entry-level management positions in retail management, sales management, office management, and restaurant management; possible career opportunities within local, state, and federal government agency facilities.



**COMPUTER INFORMATION SYSTEMS (CIS)
Certificate Program**

Career Curriculum CIS 0401
Certificate Program
Minimum Hrs. 31
Major Code: 1.2 110401J

FALL SEMESTER

SPRING SEMESTER

Dept. No.	Hrs.	Gr.	Dept. No.	Hrs.	Gr.
ACC 100	3	___	BUS 237	3	___
BUS 116	3	___	CIS 104	3	___
CIS 101	3	___	CIS 120	3	___
CIS 110	2	___	CIS 208	3	___
CIS 210	2	___	CIS 230	3	___
MAT 113	<u>3</u>	___		15	
	16				

Fall Only Courses: Spring Only Courses:

CIS 110BUS 237 CIS 230

CIS 210 CIS 208

¹ Proficiency exam is available for BUS 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Department for information.

The Computer Information Systems Certificate Program (CIS 0401) is an ICCB approved extension of the Computer Information Systems AAS Degree (CIS 0400).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet-Computer Information Systems Certificate Program \(CIS 0401\)](#). You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/computer_information_systems/Gedt.html

Additional Information: Students who successfully complete this program will have the minimum skills necessary to maintain an existing small business automated system. They will be able to perform the duties necessary to enter, store, retrieve, transfer, update, and maintain data files. They will possess the required technical knowledge to ensure the proper care of equipment and software. Students who complete this one-year program will receive a Certificate of Achievement.

Career Opportunities: Upon successful completion of this program, students will have the minimum skills necessary to maintain an existing small business information system; perform the duties necessary to enter, store, retrieve, transfer, update, and maintain computerized information; and possess the required technical knowledge to ensure the proper care of equipment and software.

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**Effective Date: Fall 2008
Rev. Spring 2017**



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CIS 120 Database Management	3	___
CIS 200 Network Essentials	3	___
CIS 206 Managing Network Environments I	3	___
ELT 214 A+ Preparation IT Technician	<u>3</u>	___
	12	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 208 Security Awareness	3	___
CIS 230 Operating Systems	3	___
ELT 210 A+ Preparation Essentials	3	___
ELT 218 Introduction to Networking Technologies	<u>3</u>	___
	12	

Fall Only Courses:

CIS 200
CIS 206
ELT 214

Spring Only Courses:

CIS 208
CIS 230
ELT 210
ELT 218

Upon completion, students can sit for the following standard exams: CompTia A+, Net+, Security+.

The Computer Networking Certificate Program (CIS 1206) is an ICCB approved extension of the Computer Information Systems AS Degree (CIS 0400).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Computer Networking Certificate Program \(CIS 1206\)](#).

You can also access this information by typing the following URL into your browser’s address bar:

http://www.jalc.edu/gainful_employment/computer_networking/Gedt.html

*John A. Logan College reserves the right to modify this curriculum guide as needed.
Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Fall 2015

Career Opportunities: Upon successful completion of this certificate, the student will be prepared to design, repair, and maintain a computer system as well as troubleshoot and administer a network.



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ELT 102 Basic Electricity and Wiring	4	___
IDM 210 Hydraulics and Pneumatics	4	___
IND 201 Metallurgy	2	___
MAC 200 Machine Tool Laboratory	4	___
MFT 103 Industrial Robots and PLCs	3	___
	<u>17</u>	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
IDM 120 Safety and Environmental Management	2	___
MAC 154 Introduction to CNC	2	___
MAC 159 CAM Operations	2	___
MAC 180 Blueprint Reading	3	___
MFT 201 PLC Manufacturing Systems	3	___
WEL 150 Oxy-Acetylene Fusion Welding I	1	___
WEL 151 Oxy-Acetylene Fusion Welding II	2	___
WEL 162 T.I.G. Welding	<u>1</u>	___
	16	

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–CNC Machinist Certificate Program \(MAC 2014\)](http://www.jalc.edu/gainful_employment/cnc_machinist/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar: http://www.jalc.edu/gainful_employment/cnc_machinist/Gedt.html

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Effective Date: Fall 2014

All students registered for this program will be required to furnish a basic tool set. The set includes the following:

- Combination square (recommend: Starrett, Mitutoyo or Fowler)
- Micrometer set 1” & 2” (recommend: Starrett, Mitutoyo or Fowler) *optional*
- 6” dial calipers (recommend: Starrett, Mitutoyo or Fowler)
- Carbide tipped scribe
- Steel toed work boots/shoes
- Safety glasses with side shields
- 6” flexible rule
- Shop apron
- Ball end Allen wrench set (standard and metric)
- Red lead pencil, grease pencil, and fine tip Sharpie
- Tool box
- 25’ tape measure
- Blue jeans (100% cotton)
- Long sleeve shirt (100% cotton)
- Leather welding gloves
- Channel lock pliers
- Composition notebook (qty 2)
- 3 ring binder with 1 package of tab dividers
- Scientific calculator (TI30XA or equivalent) *no programmable calculators*
- Digital multi-meter (DMM) must measure volts, ohms, and milli-amps
- Replacement fuses for meter
- 15 amp fuses (qty 4)
- Needle nose pliers
- Lineman’s pliers
- Cable stripper
- #2 Phillips screwdriver
- ¼” standard screwdriver

Note: Cost varies from different suppliers.

Career Opportunities: Beginning salaries are comparable to other technical careers with many positions offering an opportunity for quick advancement. These positions can be found in our region and throughout the nation from manufacturing companies, industrial companies, government agencies, and the mining industry.

Upon completion of the CNC Machine Certificate program, a student may find employment as a machine tool operator/programmer, CNC machinist, lather operator, mill operator, or a general machinist. This program provides the student with an opportunity to start as a higher level in the work force with quick advancement within a company possible.

A job placement service is provided for all John A. Logan College graduates in an effort to assist students in finding gainful employment. Each year new graduates prepare or update resumes and submit them to the college Placement Office for review by potential employers.



This program is offered through a partnership with the Illinois Laborer's and Contractors as part of their Joint Apprenticeship and Training Program. Enrollment is restricted to new and current apprentices.

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
LBR 111 Orientation to Laborers Craft	2	___
LBR 112 Occupational Safety and Health	1	___
LBR 113 Mason Tending	3	___
LBR 114 Concrete Practices and Procedures	3	___
LBR 139 Highway Construction Plan Reading	3	___
LBR 152 Bridges	3	___
LBR 153 Hazardous Waste	4	___
	19	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
LBR 115 Asphalt Technology and Construction	3	___
LBR 116 Apprenticeship I	3	___
LBR 131 Principles of Pipelaying	3	___
LBR 133 Asbestos Abatement	3	___
LBR 136 Apprenticeship II	3	___
LBR 150 Basic Construction Surveying	3	___
LBR 156 Apprenticeship III	3	___
	21	

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Effective Date: Spring 2012

Career Opportunities: At the completion of this certificate, the student apprentice will have acquired the entry-level knowledge and skills necessary to be employed as a laborer in the construction industry. The student will have mastered skills in mason tending, concrete procedures, asphalt technology, pipe laying, construction plan reading, asbestos and hazardous waste abatement, bridges, basic surveying and all applicable OSHA standards of safety. The student will be prepared to be employed as journeyman laborers.



FALL SEMESTER

Dept. No.	Hrs.	Gr.
COS 101 Cosmetology Theory I	6	___
COS 111 Cosmetology Laboratory I	<u>11</u>	___
	17	

SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
ALH 101 Cardiopulmonary Resuscitation OR ALH 102 CPR Recertification	.5-1	___
COS 113 Cosmetology Lab III (Summer only)	3	___
COS 114 Cosmetology Internship Program (Summer only)	<u>2</u>	___
	5.5-6	

SPRING SEMESTER

Dept. No.	Hrs.	Gr.
COS 102 Cosmetology Theory II	5	___
COS 112 Cosmetology Lab	<u>11</u>	___
	16	

* COS 260 Cosmetology Review is an optional refresher course to meet IDFPFR licensure requirements.

The Cosmetology Certificate (00COS0056) is the parent program to:

- Cosmetology Teacher Program Certificate (00COS0057)

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Cosmetology Certificate Program \(00COS0056\)](#).

You can also access this information by typing the following URL into your browser's address bar:

http://www.jalc.edu/gainful_employment/cosmetology/Gedt.html

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Effective Date: Spring 2012

Additional Information: The Cosmetology Program is designed to give students thorough training in the arts, skills, and applied sciences that deal with adornment through care and treatment of the hair, nails, and skin.

The Cosmetology Licensure Certificate Program meets the standards of the Department of Financial and Professional Regulation-Division of Professional Regulations, State of Illinois, in total hours, teaching staff, equipment, facilities, library, and course content.

Graduates are prepared for licensure by the Department of Financial and Professional Regulation-Division of Professional Regulations, State of Illinois, upon passing the Illinois Cosmetology examination. This qualifies the graduate for employment.

Career Opportunities: Cosmetologist, salon owner, salon manager, manicurist/pedicurist/nail technician, hairstylist/hair dresser, sales representative.



COSMETOLOGY TEACHER PROGRAM
Advanced Certificate Program*

Career Curriculum 00COS0057 Certificate Program Minimum Hrs. 13 Major Code: 1.2 120413Q
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SEMESTER HOURS

Dept.	No.		Hrs.	Gr.
COS	250	Instructional Strategies ¹	5	—
COS	251	Cosmetology Teacher Program ¹	<u>8</u>	—
			13	

*Prerequisite: Illinois Cosmetology License.

¹ Courses are taught on an independent basis and can be taken in either the fall, spring or summer semester.

The Cosmetology Teacher Program Certificate (00COS0057) is an ICCB approved extension of the Cosmetology Certificate Program (00COS0056).

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Effective Date: Fall 2008
Rev. 10/2011

Career Opportunities: Cosmetology teacher in the state of Illinois with the opportunity for reciprocity in other states in equal agreement.



**INFORMATION SYSTEM TECHNICIAN
Certificate Program**

Career Curriculum ELT 0106
Certificate Program
Minimum Hrs. 12
Major Code: 1.2 470104Q

Dept.	No.		Hrs.	Gr.
CIS	208	Security Awareness	3	___
ELT	210	A+ Preparation Essentials	3	___
ELT	214	A+ Preparation IT Technician	3	___
ELT	218	Introduction to Network Technologies	<u>3</u> 12	___

The Information System Technician Certificate Program (ELT 0106) is an ICCB approved extension of the Computer Support and Networking AAS Degree (00ELT3015).

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Effective Date: Spring 2009

Career Opportunities: computer hardware engineer, computer technician, computer support specialists, network/computer support administrator, network installer.



FALL SEMESTER

Dept. No.	Hrs.	Gr.
DNA 100 Oral & Dental Anatomy	2	___
DNA 102 Dental Assisting Procedures I	4	___
DNA 104 Dental Radiography I	3	___
DNA 107 Dental Materials	3	___
DNA 108 Head and Neck Anatomy	2	___
DNA 110 Infection Control	1	___
DNA 113 Oral Embryology and Histology	2	___
	17	

SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
PSY 132 General Psychology ¹	3	___
SPE 115 Speech ¹ OR	3	___
SPE 116 ¹ Interpersonal Communication	6	___

SPRING SEMESTER

Dept. No.	Hrs.	Gr.
DNA 101 Dental Emergencies and Pathology	2	___
DNA 103 Dental Assisting Procedures II	2	___
DNA 105 Dental Radiography II	2	___
DNA 106 Preventive Dental Health Education	3	___
DNA 109 Dental Office Procedures	2	___
DNA 112 Dental Assisting Externship	5	___
	16	

* Students must maintain a grade of "C" or higher in all courses.

¹ All required general education classes must be completed with a grade of "C" or higher.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Dental Assisting Certificate Program \(DNA 0039\)](#). You can also access this information by typing the following URL into your browser's address bar: http://www.jalc.edu/gainful_employment/dental_assisting/Gedt.html

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Effective Date: Fall 2010
Rev. 03/2012

Additional Information:

The Dental Assisting Program prepares students to become highly competent individuals possessing the skills and knowledge necessary for performing the many tasks required to provide quality dental care. As a member of the dental health team, the dental assistant is responsible for providing such services as assisting the dentist with operative and surgical procedures, manipulating of dental materials, taking radiographs, providing oral health instructions, and performing office management skills. Classroom theory, laboratory practice, and clinical training on campus and in the dental office are included in this certificate program.

Graduates will be eligible to sit for the Dental Assisting National Board Exam, and successful candidates may use the title "Certified Dental Assistant (CDA)." Certification is highly recommended and mandatory in some states. This certificate program is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the Council on Post-Secondary Accreditation and by the United States Department of Education. The Southern Illinois Dental Society endorses the John A. Logan College Dental Assisting Program.

Entrance exams will be given with the ranking of raw scores and weighting of the two general education classes (SPE 115 or SPE 116 and PSY 132). Selection and registration will be completed in late April. A final entrance exam will be given in early July for any unfilled slots.

Career Opportunities: To obtain employment in a private dental office or state facility. Duties include working directly with dentist, laboratory duties and office experiences. Dental assistants must be reliable, work well with others and have good manual dexterity. This occupation is projected to grow in the next few years.

The Dental Assisting Program is accredited by:
Commission on Dental Accreditation (CODA)
211 East Chicago Avenue
Chicago, IL 60611



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
DMS 104	Diagnostic Ultrasound Foundations ¹	3	___
DMS 202	Cardiac Anatomy and Physiology ¹	4	___
DMS 204	Cardiac Ultrasound Imaging/Lab I ¹	6	___
DMS 206	Cardiac Ultrasound Clinic I ¹	<u>3</u>	___
		16	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
DMS 200	Medical Physics and Instrumentation	5	___
DMS 224	Cardiac Ultrasound Imaging/Lab II	6	___
DMS 226	Cardiac Ultrasound Clinic II	<u>6</u>	___
		17	

FIRST YEAR – SUMMER SEMESTER

Dept. No.		Hrs.	Gr.
DMS 236	Cardiac Ultrasound Clinic III	<u>5</u>	___
		5	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
DMS 230	Cardiac Seminar	2	___
DMS 246	Cardiac Ultrasound Clinic IV	<u>10</u>	___
		12	

* Students seeking the advanced certificate in Diagnostic Cardiac Sonography must have completed equivalent prerequisites required in the associate degree program for Diagnostic Cardiac Sonography while completing the following programs and courses:

Prerequisites (2 year):

- Associate Degree Nursing
- Medical Laboratory Technician
- Occupational Therapy Assistant
- Physical Therapy Assistant
- Radiologic Technology

• Respiratory Therapy

Bachelor of Science:

- Nursing
- Allied Health
- Occupational Therapy

General Education Courses Diagnostic Cardiac Sonography

¹ Students not meeting the minimum course requirements for DMS 104, DMS 202, DMS 204 and DMS 206 are required to enroll in 6DMS 230, Skill Enhancement, and 6DMS 232, Skill Enhancement. These courses are not required for graduation from this program and therefore are ineligible for Title IV Financial Aid funding.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Diagnostic Cardiac Sonography Certificate Program \(00DMS0015\)](http://www.jalc.edu/gainful_employment/cardiac_medical_sonography/Gedt.html). You can also access this information by typing the following URL into your browser's address bar:

http://www.jalc.edu/gainful_employment/cardiac_medical_sonography/Gedt.html

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Effective Date: Fall 2013

Additional Information:

Graduates will be able to apply for the national examination upon successful completion of the program. Although registration is not required for employment, hospitals prefer to hire registered sonographers. In some states registered staff is a requirement for insurance reimbursement.

This advanced certificate program prepares students to become highly competent sonographers possessing the skills and knowledge necessary to produce and evaluate ultrasound images and related data that are used by a physician to render a medical diagnosis.

Classroom learning, laboratory practice, and clinical training at affiliated hospitals are included in this program.

An 18-month advanced certificate program is offered. Graduates will be able to apply for their registry examinations and successful candidates will be able to use the title "Registered Diagnostic Cardiac Sonographer (RDCS)." The program requires a minimum academic and clinical grade of "C" in each DMS course. A grade of less than "C" is considered a failing grade.

Interested students should contact the Assessment Office for a packet detailing steps for admission. Applicants must take an entrance exam, the Health Occupation Aptitude Exam. The ranking for admission is developed using raw scores and weighing of select previous coursework and experience. Selection and registration will be completed in late April.

Career Opportunities: Sonographers can choose to work in clinics, hospitals, private practice physician offices, public health facilities, laboratories, and other medical settings performing examinations in their areas of specialization. Career advancement opportunities exist in education, administration, research, and in commercial companies as education/application specialists, sales representatives, and technical advisors.



FIRST YEAR – FALL SEMESTER

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.	Dept. No.	Hrs.	Gr.
ECE 150	3	___	ALH 101	1	___
ECE 155	3	___	ECE 265	3	___
ECE 160	4	___	ECE 266	3	___
ECE 260	3	___	ECE 267	5	___
ECE 272	3	___	LIT 264	3	___
	16			15	

The Family Child Care certificate program (ECE 0006) is an ICCB approved extension of the Early Childhood Education A.A.S. degree program (ECE 0005).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Family Child Care Certificate Program \(ECE 0006\)](#).

You can also access this information by typing the following URL into your browser’s address bar:
http://www.jalc.edu/gainful_employment/family_child_care/Gedt.html

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Effective Date: Fall 2014

Additional Information: Currently the Department of Children and Family Services (DCFS) requires licensed “Group Day Care Home” providers to complete 30 hours of college credit. This allows the Group Day Care Home to care for up to 16 children with the support of a full-time and part-time assistant. This DCFS educational requirement does not apply to a licensed “Day Care Home” provider serving 8 children alone or serving 12 children with the support of an assistant. In order to meet the DCFS high-quality program standards, child care providers seeking accreditation and higher child care reimbursement rates will benefit from additional educational requirements.

Career Opportunities: The Family Child Care Certificate program prepares individuals to provide professional, high-quality care and early education to children in a home setting. Please note: The completion of 60 college credit hours or an associate degree is required for teachers in child care centers and assistant teachers in public schools.



Dept.	No.		Hrs.	Gr.
ECE	279	Management Internship ¹	4	_____
ECE	280	Professional Development	<u>4</u>	_____
			8	

* Prerequisite: A.A.S. in Early Childhood Education

¹ One year of full-time early childhood education management experience in a licensed center will waive this course.

The Early Childhood Education Director's Credentials Certificate Program (00CHC0018) is an ICCB approved extension of the Early Childhood Education AAS Degree (ECE 0005).

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Effective Date: Spring 2011

Additional Information: John A. Logan College Early Childhood Education Program is approved by the Illinois Network of Child Care Resources & Referral Agencies (INCCRRA) as an Illinois Director Credential Entitled Institution. John A. Logan College works directly with Gateways to Opportunity, a branch of INCCRRA to award this credential. As an entitled Illinois Director Credential (IDC) institution, John A. Logan College Early Childhood Education Program will verify the attainment of the IDC requirements and submit recommendation to the statewide Professional Development Advisory Council (PDAC) for review and confirmation. Upon the approval of PDAC, the IDC will be awarded. Core knowledge and skills will be validated in 5 areas:

1. General Education
2. Early Childhood/School-age Knowledge
3. Management Knowledge & Skills
4. Management & Teaching Experience
5. Professional Contributions to the Field

Students interested in the Illinois Director Credential should see the Early Childhood Education academic advisor. Students can complete the requirements for the IDC by:

1. First completing the AAS Degree in Early Childhood Education;
2. Completing the child care Management Internship (ECE 279); and
3. Completing 2 professional development activities (ECE 280).

The Illinois Director Credential prepares students to work more effectively as child care advocates and administrators in early childhood programs. The attainment of the IDC is one to be proud of. It serves as a symbol of individual achievement and demonstration of leadership and commitment beyond the scope of daily routine management through professional contributions to the field. The IDC is a tool to promote high standards of excellence, professionalism among staff, and quality care and education of children enrolled in early childhood programs. For more information about the IDC credential, call 1-888-548-8080 or visit Gateways to Opportunity website @ www.ilgateways.com.

Career Opportunities: Assistant director, director, supervisor, coordinator, or child care advocate in child care center or other early childhood programs, organizations or social services for children and their families.



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
EMS 250 Paramedic I	<u>10</u> 10	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
EMS 253 Paramedic IV	<u>12.5</u> 12.5	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
EMS 251 Paramedic II	<u>13</u> 13	___

FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
EMS 252 Paramedic III	<u>7.5</u> 7.5	___

* Students must complete EMT 111--Emergency Medical Technician I prior to entering the EMS program. Current Illinois EMT-Basic (EMT-B) or EMT-Intermediate (EMT-I) certification is required.

Graduates after January 1, 2013 will be eligible to sit for the Illinois Department of Public Health, EMT-Paramedic (EMT-P) licensing exam but ineligible to sit for the National Registry of Emergency Medical Technicians Exam (NREMT).

The Emergency Medical Services Certificate Program (EMS 0102) is an ICCB approved extension of the Emergency Medical Services AAS Degree (EMS 0101).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet--Emergency Medical Services Certificate Program \(EMS 0102\)](http://www.jalc.edu/gainful_employment/emergency_medical_services/Gedt.html). You can also access this information by typing the following URL into your browser's address bar: http://www.jalc.edu/gainful_employment/emergency_medical_services/Gedt.html

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Effective Date: Fall 2012

Career Opportunities: Graduates of the program will be eligible to sit for the Illinois Department of Public Health, EMT-Paramedic (EMT-P) licensing exam which is required for paramedic licensure in the state of Illinois. Licensed paramedics have employment opportunities in hospitals, ambulance services, fire departments, colleges and within various governmental programs.



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ART 101 Two Dimensional Design	3	___
ART 180 Drawing I	3	___
CIS 207 Computer Applications	3	___
GRD 110 Graphics Design I	5	___
	14	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ART 220 History of Art I OR ART 291 History of Photography	3	___
ATI 200 Applied Technologies Internship	1	___
CIS 240 Web Page Design	3	___
GRD 210 Graphics Design III	5	___
	12	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ART 290 Computer Art I	3	___
ART 296 Photography I	3	___
GRD 120 Graphics Design II	5	___
IND 138 Industrial Seminar	1	___
	12	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ARC 202 Presentation Drawings	3	___
ART 292 Computer Art II	3	___
GRD 220 Animation	3	___
MKT 224 Advertising	3	___
	12	___

The Graphics Design Certificate Program (GRD 0005) is an ICCB approved extension of the Graphic Design Associate in Applied Science Degree (GRD 2004).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Graphics Design Certificate Program \(GRD 0005\)](#).

You can also access this information by typing the following URL into your browser’s address bar:

http://www.jalc.edu/gainful_employment/graphics_design/Gedt.html

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Effective Date: Spring 2012
Rev. 03/2012

Career Opportunities: Graphic designers work for print shops, magazine companies, newspaper companies, advertising agencies, television stations and other related industries. The needs for each company vary, but a graphic designer’s responsibilities may include the creation of graphics, photography, animation, page setup, layout, logo design, and web page design.

The certificate program is geared toward students desiring a career in graphics design, updating their existing skills, or having an interest in artistic expression. This program is ideal for dislocated or incumbent workers who wish to concentrate their education toward graphics design related classes.

Beginning salaries are comparable to other technical careers with the possibility for advancement within a particular company. A job placement service is provided for all John A. Logan College graduates to help students find employment.



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
BIO 105	Human Biology	4	___
HIT 101	Introduction to Health Information	3	___
HIT 206	Medical Insurance and Billing Procedures	3	___
HIT 217	Medical Terminology	<u>3</u>	___
		13	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
HIT 102	Health Record Procedures	3	___
HIT 204	ICD-10-CM Coding Basics	3	___
HIT 210	CPT Coding	3	___
HIT 215	Pathophysiology	4	___
HIT 218	Introduction to Pharmacology	<u>3</u>	___
		16	

Fall Only Courses:

HIT 101
HIT 206

Spring Only Courses:

HIT 102 HIT 215
HIT 204 HIT 218
HIT 210

*Students must maintain a grade of "C" or higher in all courses.

*All HIT courses, with the exception of HIT 217, are only offered once a year, so the student will have to wait to take courses until a prerequisite course has been completed with a passing grade.

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Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Fall 2017

Additional Information: This certificate will prepare individuals to work as medical billers and coders for doctors' offices, group practices, clinics, and some legal practices specializing in personal injury cases. It also helps individuals prepare for the Certified Professional Coder (CPC®) exam sponsored by the American Academy of Professional Coders.

Career Opportunities: This includes health care offices and clinics, large legal firms specializing in personal injury cases, health care insurance companies, government agencies responsible for Medicaid and Medicare disbursements, and others.



FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
HAC 102	Residential Electrical Wiring	4	___
HAC 121	Heating I	4	___
MAT 113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3	___
WEL 150	Oxy-Acetylene Fusion Welding I	1	___
WEL 152	Brazing and Soldering	<u>1</u>	___
		13	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 224	Power Distribution and Motors	3	___
HAC 105	Basic Sheet Metal Layout	3	___
HAC 107	Electrical Controls and Circuitry	3	___
HAC 122	Heating II	4	___
HAC 131	Refrigeration & Air Conditioning I	<u>4</u>	___
		17	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
CMG 107	Construction Document Interpretation	3	___
HAC 106	Advanced Sheet Metal Layout	2	___
HAC 132	Refrigeration & Air Conditioning II	4	___
HAC 222	Advanced Heating Systems	3	___
HAC 240	Installation of HVAC Systems	<u>3</u>	___
		15	

SUMMER SEMESTER (OPTIONAL)

Dept. No.		Hrs.	Gr.
ATI 200	Applied Technologies Internship ¹ OR PSY 110 College Success and Career Planning ¹	<u>1-3</u>	___
		1-3	

¹ Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

The Heating and Air Conditioning Certificate Program (HAC 0006) is the parent program to:

- Heating and Air Conditioning Installer Certificate Program (HAC 2006)

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Heating and Air Conditioning Certificate Program \(HAC 0006\)](http://www.jalc.edu/gainful_employment/heating_and_air_conditioning/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar:

http://www.jalc.edu/gainful_employment/heating_and_air_conditioning/Gedt.html

*John A. Logan College reserves the right to modify this curriculum guide as needed.
Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Fall 2016

Additional Information: This program prepares students for careers in the heating and air conditioning industry. The curriculum provides theory as well as sufficient laboratory experience to prepare graduates for immediate employment. Students will be trained for competency in installing, operating, troubleshooting, and maintaining all types of environmental control equipment. The graduate will receive a Certificate of Achievement.

All students registered for heating and air conditioning classes will be required to furnish a basic tool set. The basic tool set will be necessary by the beginning of the fifth week of the semester. The set includes the following:

Sockets

- 1/4" Socket Set

Screwdrivers

- Phillips Stubby Screwdriver
- #2 x 4" Phillips Screwdriver
- Flat Stubby Screwdriver
- 3/16" x 6" Slotted Screwdriver
- 5/16" x 6" Slotted Screwdriver

Nutdrivers

- Nutdriver ND5 1/4"
- Nutdriver ND7 5/16"

Pliers

- Sidecutters
- 7 1/2" Longnose Pliers
- Channel Locks

Wrenches

- 6" Adjustable Wrench
- 8" Adjustable Wrench
- 10" Adjustable Wrench
- 12" Adjustable Wrench
- Hex Wrench Set
- Service Valve Wrench
- Combination Wrench Set 1/4" to 3/4"

Additional Tools

- Wire Strippers
- Clamp-On Amp Meter
- Digital Multimeter (must read D.C. microamps-MA)
- Manifold Gauge Set
- Pocket Thermometer
- Inspection Mirror
- Sling Psychrometer
- Red and Green Tin Snips
- Tinnerns Hammer
- Dividers

Note: Cost varies from different suppliers. Tools may be purchased at Sears, Snap-On, True Value, etc.

Career Opportunities: Technicians, installers or maintenance personnel.



**HOME PERFORMANCE SPECIALIST
Certificate Program**

Career Curriculum HAC 2016
Certificate Program
Minimum Hrs. 25
Major Code: 150503K

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CMG 100 Construction Orientation	1	___
CMG 110 Wood Frame Construction	4	___
HAC 102 Residential Electrical Wiring	4	___
HAC 140 Weatherization	<u>3</u>	___
	12	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CMG 107 Construction Document Interpretation	3	___
HAC 131 Refrigeration I	4	___
HAC 224 Geothermal Systems	3	___
HAC 241 Building Systems Performance	<u>3</u>	___
	13	

Fall Only Courses

CMG 100
CMG 110
HAC 102
HAC 140

Spring Only Courses

HAC 131
HAC 224
HAC 241

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Home Performance Specialist Certificate Program \(HAC2016\)](http://www.jalc.edu/gainful_employment/home_performance_specialist/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar:
http://www.jalc.edu/gainful_employment/home_performance_specialist/Gedt.html

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Effective Date: Fall 2016

Career Opportunities: Energy Auditor, Home Performance Coordinator, Energy Consultant, Installation of Home Performance products (ERV’s, Insulation services, and HRV systems), Sales Consultant, Building Inspector



FALL SEMESTER

Dept. No.		Hrs.	Gr.
ELT 102	Basic Electricity and Wiring	4	___
IDM 210	Hydraulics & Pneumatics	4	___
MAT 113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 111 Pre-Calculus OR MAT 120 Elementary Statistics	3-5	___
MFT 103	Industrial Robots and PLCs	3	___
		14-16	

SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 103	Applied DC/AC Circuits	4	___
ELT 104	Introduction to VFDs	2	___
ELT 150	Applied Solid State Electronics	4	___
ELT 224	Power Distribution and Motors	3	___
MFT 201	PLC Manufacturing Systems	3	___
		16	___

Fall only courses:

ELT 102
IDM 210
MFT 103

Spring only courses:

ELT 104
ELT 150
ELT 224
MFT 201

The Industrial PLC Systems Certificate Program (00ELT3013) is an ICCB approved extension of the Industrial Maintenance Engineering AAS Degree (00ELT3012) which is the parent to:

- PLC Technician Certificate (ELT 2006)

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Industrial PLC Systems Certificate Program \(00ELT3013\)](#). You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/industrial_plc_systems/Gedt.html

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Effective Date: Fall 2016

Career Opportunities: Entry-level PLC maintenance and PLC System Programmer.



FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
BIO	105	Human Biology ¹	4	___
MAS	101	Introduction to Massage Therapy	3	___
MAS	102	Massage Therapy I	5	___
MAS	103	Body Anatomy for Massage Therapy	5	___
			<u>17</u>	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
MAS	104	Anatomy and Physiology for Massage	5	___
MAS	105	Massage Therapy II	5	___
MAS	106	Advanced Massage Therapy	3	___
MAS	107	Massage Clinic	4	___
			<u>17</u>	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Gr.
MAS	108	Massage Therapy Clinic Practice	1.5	___

* Contact Bill Connell at extension 8106 for additional information and registration.

¹ It is strongly recommended that students complete BIO 105 prior to MAS program. Prior credit will not be given if the earned grade is less than a "C."

Students must earn a grade of "C" or better in all MAS classes.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Massage Therapy Certificate Program \(MAS 2004\)](#).

You can also access this information by typing the following URL into your browser's address bar:

http://www.jalc.edu/gainful_employment/message_therapy/Gedt.html

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Effective Date: Spring 2015
Rev. 04/2015

Career Opportunities: Graduates of the program are qualified to take the National Certification Examination for Therapeutic Massage and Bodywork, which is required for massage therapy licensure in the state of Illinois. Licensed massage therapists have employment opportunities in private practice, pain and rehabilitation clinics, health clubs, spas and salons, hotels, athletic events, and other locations.



FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
BIO 105 Human Biology ¹	4	___
MAS 101 Introduction to Massage Therapy	3	___
MAS 102 Massage Therapy I	5	___
MAS 103 Body Anatomy for Massage Therapy	<u>5</u>	___
	17	

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
MAS 104 Anatomy and Physiology for Massage	5	___
MAS 105 Massage Therapy II	5	___
MAS 106 Advanced Massage Therapy	3	___
MAS 107 Massage Clinic	<u>4</u>	___
	17	

FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
MAS 108 Massage Therapy Clinic Practice	1.5	___

* Contact Bill Connell at extension 8106 for additional information and registration.

¹ It is strongly recommended that students complete BIO 105 prior to MAS program. Prior credit will not be given if the earned grade is less than a "C."

Students must earn a grade of "C" or better in all MAS classes.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Massage Therapy Certificate Program \(MAS 2004\)](http://www.jalc.edu/gainful_employment/message_therapy/Gedt.html). You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/message_therapy/Gedt.html

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Effective Date: Summer 2010
Rev. 04/2015

Career Opportunities: Graduates of the program are qualified to take the National Certification Examination for Therapeutic Massage and Bodywork, which is required for massage therapy licensure in the state of Illinois. Licensed massage therapists have employment opportunities in private practice, pain and rehabilitation clinics, health clubs, spas and salons, hotels, athletic events, and other locations.



FIRST YEAR – SUMMER SEMESTER

Dept. No.		Hrs.	Gr.
BIO 205	Human Anatomy & Physiology I	4	—
		4	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
HIT 102	Health Record Procedures	3	—
HIT 204	ICD-10-CM Coding Basics	3	—
HIT 210	CPT Coding	3	—
HIT 215	Pathophysiology	4	—
HIT 218	Introduction to Pharmacology	3	—
		16	

FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
BIO 206	Human Anatomy & Physiology II	4	—
HIT 101	Introduction to Health Information	3	—
HIT 206	Medical Insurance and Billing Procedures	3	—
HIT 217	Medical Terminology	3	—
		13	

Fall Only Courses:

HIT 101
HIT 206

Spring Only Courses:

HIT 102 HIT 215
HIT 204 HIT 218
HIT 210

*Students must maintain a grade of "C" or higher in all courses.

*All HIT courses, with the exception of HIT 217, are only offered once a year, so the student will have to wait to take courses until a prerequisite course has been completed with a passing grade.

The Medical Billing and Coding Certificate Program (00BUS0020) is an ICCB approved extension of the Medical Administrative Assistant AAS degree (00BUS0012).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Medical Billing and Coding Certificate Program \(00BUS0020\)](http://www.jalc.edu/gainful_employment/medical_billing_and_coding/Gedt.html). You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/medical_billing_and_coding/Gedt.html

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Effective Date: Fall 2016

Additional Information: This certificate will prepare individuals to work as medical billers and coders for doctors' offices, group practices, clinics, and some legal practices specializing in personal injury cases. It also helps individuals prepare for the Certified Professional Coder (CPC®) exam sponsored by the American Academy of Professional Coders.

Career Opportunities: This includes health care offices and clinics, large legal firms specializing in personal injury cases, health care insurance companies, government agencies responsible for Medicaid and Medicare disbursements, and others.



FALL SEMESTER

Dept. No.	Hrs.	Gr.
BUS 116 Keyboarding I ¹	3	___
BUS 135 Office Language Skills	3	___
HIT 217 Medical Terminology	<u>3</u>	___
	9	

SPRING SEMESTER

Dept. No.	Hrs.	Gr.
BUS 236 Records Management	1	___
BUS 270 Medical Office Procedures	3	___
CIS 101 Introduction to Computers OR CIS 207 Computer Applications	<u>3</u> 7	___ ___

Spring Only Courses:
BUS 270

¹ Proficiency exam is available for BUS 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Education Department for information.

The Medical Clerk Certificate Program (00BUS0017) is an ICCB approved extension of the Medical Administrative Assistant AAS Degree (00BUS0012).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Medical Clerk Certificate Program \(00BUS0017\)](#).

You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/medical_clerk/Gedt.html

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Effective Date: Fall 2016

Career Opportunities: Positions as a medical office receptionist, medical file clerk, hospital clerk, medical records clerk, intake clerk, and those formerly known as ward clerks.



FIRST YEAR – SUMMER SEMESTER

Dept. No.	Hrs.	Gr.
BUS 115 Keyboarding ¹	1	___
NAD 101 Nursing Assistant Training ²	<u>7</u>	___
	8	

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
BIO 105 Human Biology ³	4	___
MDA 120 Introduction to Medical Assisting	3	___
MDA 122 Medical Office Procedures	4	___
MDA 124 Medical Terminology & Coding	3	___
MDA 126 Introduction to Electronic Health Records	<u>2</u>	___
	16	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
MDA 130 Pharmacology ⁴	3	___
MDA 132 Medical Clinic Procedures	4	___
MDA 133 Medical Office Laboratory Procedures	2	___
MDA 134 Externship	<u>3</u>	___
	12	

All MDA courses must be taken in the sequence stated in the curriculum.
Students must maintain a "C" or higher in all courses in order to graduate from the program.
Drug screening, immunizations and criminal background checks are required for externships.

¹ Proficiency exam is available for BUS 115 for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Department for information.

² NAD 101 must be completed by the end of the first semester or prior to application into the Medical Assistant program.
Registration with the Illinois Department of Health-Health Care Worker Registry is required for background check purposes only.

³ BIO 205 & BIO 206 may be substituted for BIO 105.

⁴ Prerequisite: Math placement score above the College's developmental level of MAT 051 or MAT 104 with a grade of "C" or higher.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Medical Assistant Certificate Program \(MDA 2006\)](http://www.jalc.edu/gainful_employment/medical_assistant/Gedt.html). You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/medical_assistant/Gedt.html

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Effective Date: Fall 2011
Rev. 03/2012

Career Opportunities: This certificate program is a concentrated program of study in medical assisting designed to train individuals to become multi-skilled professionals in an ambulatory healthcare setting. Medical assistants are allied health professionals who function as a member of a health care delivery team and perform routine, yet essential, administrative and clinical procedures.

Graduates are eligible to sit for the following certification exams:

- Registered Medical Assistant (RMA)
- National Certified Medical Assistant (NCMA)



**MEDICAL TRANSCRIPTION LANGUAGE SPECIALIST
Certificate Program**

Career Curriculum BUS 0075
Certificate Program
Minimum Hrs. 38
Major Code: 1.2 510708W

FALL SEMESTER

Dept.	No.		Hrs.	Gr.
BIO	105	Anatomy and Physiology	3	___
BUS	116	Keyboarding I ¹	3	___
BUS	135	Office Language Skills	3	___
HIT	217	Medical Terminology	3	___
BUS	236	Records Management	1	___
CIS	101	Introduction to Computers OR	<u>3</u>	___
		CIS 207 Computer Applications	16	___

SUMMER SEMESTER

Dept.	No.		Hrs.	Gr.
BUS	250	Medical Transcription II	3	___
BUS	251	Medical Transcription Internship	<u>1</u>	___
			4	___

SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
BUS	117	Keyboarding II ¹	3	___
HIT	215	Pathophysiology	3	___
BUS	261	MRT Transcription ²	3	___
BUS	270	Medical Office Procedures	3	___
BUS	280	Computer Applications for the Medical Office	3	___
CIS	105	Current Operating Systems/Security	<u>3</u>	___
			18	___

Spring Only Courses

BUS 270
BUS 280

¹ Proficiency exams are available for BUS 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) and BUS 117 (requiring 55 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Department for information.

² Requires a grade of "C" or higher.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Medical Language Specialist Certificate Program \(BUS 0075\)](http://www.jalc.edu/gainful_employment/medical_language_specialist/Gedt.html). You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/medical_language_specialist/Gedt.html

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Effective Date: Spring 2017

Additional Information: This is a one-year certificate program leading to a Certificate of Achievement. It is designed for the individual desiring a document processing position in the medical field. Emphasis is on the study and use of medical terminology in medical transcription. Proficiency can be acquired in the preparation of medical documents.

Career Opportunities: Upon completion of the program, a graduate will be qualified to fill positions in hospitals, clinics, and doctors' offices and perform medical transcription and other related tasks.



**NURSING ASSISTANT
Certificate Program**

Career Curriculum 00NAD0055
Certificate Program
Minimum Hrs. 7
Major Code: 1.2 513902K

Dept.	No.		Hrs.	Gr.
NAD	101	Nursing Assistant Training	$\frac{7}{7}$	—

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**Effective Date: Fall 2008
Rev. 10/2011**

Additional Information: This course is designed for students interested in becoming nursing assistant. Students receive training that will enable them to work in hospitals, long-term care facilities, or other health care facilities. A criminal background check is completed as a part of the program. This program is approved by the Illinois Department of Public Health.

Career Opportunities:

- Acute Care Hospitals
- Nursing Homes Long-term Care
- Rehabilitation Centers
- Assisted Living Centers
- Home Health



REQUIRED GENERAL EDUCATION COURSES

Dept. No.		Hrs.	Gr.
ALH 101	Cardiopulmonary Resuscitation ¹ or ALH 102 CPR Recertification	.5-1.0	___
BIO 205	Human Anatomy and Physiology I ²	4	___
ENG 101	English Composition I	3	___
PNE 100	Nutrition	3	___
PSY 132	General Psychology	3	___
		13.5-14.0	

FIRST SEMESTER -- SPRING

Dept. No.		Hrs.	Gr.
PNE 101	Fundamentals of Nursing	3	___
PNE 102A	Nursing Procedures I	1.5	___
PNE 102B	Nursing Procedures II	1.5	___
PNE 103	Clinical Nursing	2	___
PNE 161	Pharmacology in Nursing I	2	___
		10	

SECOND SEMESTER – SUMMER

Dept. No.		Hrs.	Gr.
PNE 105	Nursing throughout the Life Cycle	2	___
PNE 193	Pediatric Nursing	2	___
PNE 194	Community Nursing Clinical	1	___
		5	

THIRD SEMESTER -- FALL

Dept. No.		Hrs.	Gr.
PNE 171	Pharmacology in Nursing II	2	___
PNE 204	Adult Nursing I	2	___
PNE 205	Medical/Surgical Clinic I	2	___
		6	

FOURTH SEMESTER – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
PNE 206	Adult Nursing II	2	___
PNE 207	Medical/Surgical Clinic II	2	___
PNE 208	Mental Health Nursing	1	___
PNE 209	I.V. Therapy	2	___
		5.5	

FIFTH SEMESTER – SUMMER

Dept. No.		Hrs.	Gr.
PNE 183	Maternal and Newborn Health	2	___
PNE 184	Obstetric Clinical	1	___
		3	

*Students must maintain a "C" or higher in all courses.

¹ Students must be certified in CPR annually before starting clinical rotation.

² BIO 205 Human Anatomy and Physiology I must be completed by the end of the first semester or prior to program admittance. No prior credit will be given if a grade lower than a "C" was earned. It is strongly recommended that students without a high school or college background in biology take BIO 100 or 101 or 105 prior to BIO 205.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Practical Nursing Certificate Program \(00LPN0061\)](http://www.jalc.edu/files/uploads/global/consumer_information/pdfs/gainful_employment/practical_nursing.pdf). You can also access this information by typing the following URL into your browser's address bar:

http://www.jalc.edu/files/uploads/global/consumer_information/pdfs/gainful_employment/practical_nursing.pdf

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Effective Date: Fall 2011

Additional Information:

The applicant should contact the Assessment Office at the College and request an admissions packet to the Practical Nursing Program. The steps to be followed are specified in the packet.

The Practical Nursing Program is designed to provide an individual with the knowledge and skills to function as a safe and effective member of the health care team in the role of the practical nurse. Classroom theory, laboratory practice, and clinical experience are included in this three-semester certificate program. This program is accredited by the North Central Association of Colleges and Schools and approved by the Illinois Department of Professional Regulations, and the ICCB. The accreditation and approval of these agencies allow a graduate of the program to do the following:

1. Write the CAT-NCLEX-PN Examination. (This is the licensing examination that a graduate of any nursing program must pass in order to be employed as a practical nurse.)

2. Be employed as a practical nurse in any health care setting of choice, including state and federal institutions.
3. Be employed in any state in the nation.

Some agencies and the military may have additional requirements for employment.

In addition to completing a College application, the applicant must be able to do the following: provide proof of graduation from an accredited high school, or possess a G.E.D. certificate; successfully complete the practical nursing pre-entrance examination, including mathematics and communication, ASSET Test or COMPASS Test, and provide proof of sound health to practice nursing.

The selection procedures are listed in the admission packet.

The graduate of the John A. Logan College Practical Nursing Program will be able to do the following:

1. The graduate will have satisfactory knowledge of nursing theory and skill in all areas of the developed curriculum to produce a satisfactory score on the CAT-NCLEX-PN.
2. The graduate will have sufficient competencies needed by individuals preparing for gainful employment in the vocation of practical nursing to be recognized as a safe and effective beginning practitioner.
3. The graduate will be able to relate effectively with people in daily endeavors through verbal and nonverbal communication.
4. The graduate will be able to utilize the nursing process in problem solving.
5. The graduate will be able to assist in planning and implementing a health care/teaching plan designed to meet the identified needs of the client.
6. Each graduate will accept responsibility for his/her own attitudes and actions.
7. The graduate will recognize his/her individual capabilities and limitations when functioning as a member of a health care team in a variety of settings.
8. The graduate will recognize the importance of integrity and self-imposed high standards of performance as a means of perpetuating regard for the vocation of practical nursing.
9. To maintain faculty, physical facilities, equipment, and clinical agency contracts conducive to a positive learning environment.
10. To serve as a resource to nursing professionals in the area.
11. To support and encourage professional continuing education.
12. To actively maintain and pursue articulation with ADN-level nursing programs.

Career Opportunities:

- Medical office practices
- Flu clinics
- Home Health; Private Duty (especially disabled pediatric home bound patients)
- Nursing Homes
- Assisted Living Centers
- Senior Citizen Centers
- Rehabilitation Centers



FIRST SEMESTER -- FALL

Dept.	No.		Hrs.	Gr.
ALH	101	Cardiopulmonary Resuscitation ¹ or ALH 102 CPR Recertification	.5-1.0	___
BIO	205	Human Anatomy and Physiology I ²	4	___
PNE	100	Nutrition	3	___
PNE	101	Fundamentals of Nursing	3	___
PNE	102A	Nursing Procedures I	1.5	___
PNE	102B	Nursing Procedures II	1.5	___
PNE	103	Clinical Nursing	2	___
PNE	105	Nursing throughout the Life Cycle	2	___
PNE	161	Pharmacology in Nursing I	<u>2</u>	___
			19.5-20.0	

THIRD SEMESTER -- SUMMER

Dept.	No.		Hrs.	Gr.
ENG	101	English Composition I	3	___
PNE	206	Adult Nursing II	2	___
PNE	207	Medical/Surgical Clinic II	2	___
PNE	208	Mental Health Nursing	1	___
PNE	209	I.V. Therapy	<u>.5</u>	___
			8.5	

SECOND SEMESTER -- SPRING

Dept.	No.		Hrs.	Gr.
PNE	171	Pharmacology in Nursing II	2	___
PNE	183	Maternal and Newborn Health	2	___
PNE	184	Obstetrics Clinical	1	___
PNE	193	Pediatric Nursing	2	___
PNE	194	Community Nursing Clinical	1	___
PNE	204	Adult Nursing I	2	___
PNE	205	Medical/Surgical Clinic I	2	___
PSY	132	General Psychology	<u>3</u>	___
			15	

*Students must maintain a "C" or higher in all courses.

¹ Students must be certified in CPR annually before starting clinical rotation.

² BIO 205 Human Anatomy and Physiology I must be completed by the end of the first semester of program admittance. No prior credit will be given if a grade lower than a "C" was earned. It is strongly recommended that students without a high school or college background in biology take BIO 100 or 101 or 105 prior to BIO 205.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Practical Nursing Certificate Program \(OOLPN0061\)](http://www.jalc.edu/gainful_employment/practical_nursing/Gedt.html).

You can also access this information by typing the following URL into your browser's address bar:

http://www.jalc.edu/gainful_employment/practical_nursing/Gedt.html

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 Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Fall 2011
Rev. 03/2012

Additional Information:

The Practical Nursing Program is designed to provide an individual with the knowledge and skills to function as a safe and effective member of the health care team in the role of the practical nurse. Classroom theory, laboratory practice, and clinical experience are included in this three-semester certificate program. This program is accredited by the North Central Association of Colleges and Schools and approved by the Illinois Department of Professional Regulations, and the ICCB. The accreditation and approval of these agencies allow a graduate of the program to do the following:

1. Write the CAT-NCLEX-PN Examination. (This is the licensing examination that a graduate of any nursing program must pass in order to be employed as a practical nurse.)
2. Be employed as a practical nurse in any health care setting of choice, including state and federal institutions.

3. Be employed in any state in the nation.

Some agencies and the military may have additional requirements for employment.

The applicant should contact the Assessment Office at the College and request an admissions packet to the Practical Nursing Program. The steps to be followed are specified in the packet.

In addition to completing a College application, the applicant must be able to do the following: provide proof of graduation from an accredited high school, or possess a G.E.D. certificate; successfully complete the practical nursing pre-entrance examination, including mathematics and communication, ASSET Test or COMPASS Test, and provide proof of sound health to practice nursing.

The selection procedures are listed in the admission packet.

The graduate of the John A. Logan College Practical Nursing Program will be able to do the following:

1. The graduate will have satisfactory knowledge of nursing theory and skill in all areas of the developed curriculum to produce a satisfactory score on the CAT-NCLEX-PN.
2. The graduate will have sufficient competencies needed by individuals preparing for gainful employment in the vocation of practical nursing to be recognized as a safe and effective beginning practitioner.
3. The graduate will be able to relate effectively with people in daily endeavors through verbal and nonverbal communication.
4. The graduate will be able to utilize the nursing process in problem solving.
5. The graduate will be able to assist in planning and implementing a health care/teaching plan designed to meet the identified needs of the client.
6. Each graduate will accept responsibility for his/her own attitudes and actions.
7. The graduate will recognize his/her individual capabilities and limitations when functioning as a member of a health care team in a variety of settings.
8. The graduate will recognize the importance of integrity and self-imposed high standards of performance as a means of perpetuating regard for the vocation of practical nursing.
9. To maintain faculty, physical facilities, equipment, and clinical agency contracts conducive to a positive learning environment.
10. To serve as a resource to nursing professionals in the area.
11. To support and encourage professional continuing education.
12. To actively maintain and pursue articulation with ADN-level nursing programs.

Career Opportunities:

- Medical office practices
- Flu clinics
- Home Health; Private Duty (especially disabled pediatric home bound patients)
- Nursing Homes
- Assisted Living Centers
- Senior Citizen Centers
- Rehabilitation Centers



FALL SEMESTER

Dept.	No.		Hrs.	Gr.
BUS	116	Keyboarding I ¹	3	—
BUS	135	Office Language Skills	3	—
CIS	101	Introduction to Computers OR CIS 207 Computer Applications	<u>3</u> 9	—

SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
BUS	235	Business Correspondence	3	—
BUS	236	Records Management	1	—
MAT	113	Introduction to Contemporary Mathematics OR BUS 111 Business Mathematics	3	—
SPE	115	Speech OR SPE 116 Interpersonal Communication	<u>3</u> 10	—

¹ Proficiency exam is available for BUS 116 (requiring a production test as well as 40 wpm with no more than three errors on a three-minute straight-copy timing) for students entering the program with a sound background in keyboarding. See your advisor or the chairperson of the Business Education Department for information.

The Office Assistant Certificate Program (00BUS0016) is an ICCB approved extension of the Office Supervision and Management AAS degree (00BUS0013).

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Office Assistant Certificate Program \(00BUS0016\)](#).

You can also access this information by typing the following URL into your browser's address bar:

http://www.jalc.edu/gainful_employment/office_assistant/Gedt.html

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Effective Date: Fall 2015

Career Opportunities: Positions as an office assistant or a general office clerk are available in almost every area of the economy. Those industries employing the largest number include local government, general medical and surgical hospitals, elementary and secondary schools, colleges, universities, professional schools, and employment services.



FIRST SEMESTER – FALL

Dept.	No.		Hrs.	Gr.
BIO	206	Human Anatomy and Physiology II ¹	4	___
STP	121	Introduction to Surgical Technology	3	___
STP	122	Principles and Practices of Surgical Technology	6	___
STP	127	Pharmacology for Health Professions	<u>3</u>	___
			16	

THIRD SEMESTER -- SUMMER

Dept.	No.		Hrs.	Gr.
STP	124	Surgical Procedures II	3	___
STP	126	Clinical Rotation in Surgical Technology II	<u>5</u>	___
			8	

SECOND SEMESTER -- SPRING

Dept.	No.		Hrs.	Gr.
STP	123	Surgical Procedures I	5	___
BIO	226	General Microbiology ¹	4	___
STP	125	Clinical Rotation in Surgical Technology I ²	<u>5</u>	___
			14	

*Students must maintain a "C" or higher in all STP and general education classes.
BIO 205 is a prerequisite and must be completed before starting the program.

¹ BIO 206 must be completed by the end of the first semester.
BIO 226 must be completed by the end of the second semester

² Students must be certified in CPR for Healthcare Providers at the start of the program.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Surgical Technology Certificate Program \(ORT 5199\)](http://www.jalc.edu/gainful_employment/surgical_technology/Gedt.html). You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/surgical_technology/Gedt.html

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**Effective Date: Spring 2009
Rev. 8/2014**

Additional Information: The Surgical Technology Certificate is a one-year program offered at the community colleges through the Southern Illinois Collegiate Common Market (SICCM). This program is designed to provide students with the knowledge, skills, and attitudes necessary to practice as certified surgical technologists. Students successfully completing the program will be fully qualified for jobs as scrub surgical technologists and circulating surgical technologists in hospitals, surgical centers, clinics, and physicians' offices. The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), by recommendation of the Accreditation Review Committee on Education in Surgical Technology. Graduates of the accredited Surgical Technology program will sit for the National Certifying Exam for Surgical Technologists. The exam will be scheduled at the student's home campus. It is administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA), which is accredited by the National Commission for Certifying Agencies (NCCA). Successful completion of this exam confers the title of Certified Surgical Technologist (CST). The program is offered off campus in a central laboratory.

Career Opportunities: Assist during surgical operations in hospitals, doctor's offices and outpatient care centers.

The Surgical Technology Program is accredited by:
Commission on Accreditation of Allied Health Education Programs
25400 U.S. Highway 19 North
Suite 158
Clearwater, FL 33763



FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
IND 201 Metallurgy	2	___
WEL 150 Oxy-Acetylene Fusion Welding I	1	___
WEL 151 Oxy-Acetylene Fusion Welding II	2	___
WEL 152 Brazing & Soldering	1	___
WEL 153 Oxy-Acetylene Cutting	1	___
WEL 154 Arc Welding I	2	___
WEL 155 Arc Welding II	2	___
WEL 156 Arc Welding III	1	___
WEL 200 Welding Theory	<u>2</u>	___
	14	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
MAC 180 Blueprint Reading	3	___
WEL 157 Arc Welding IV	1	___
WEL 158 Arc Welding V	1	___
WEL 159 Arc Welding	1	___
WEL 160 M.I.G. Welding	2	___
WEL 161 Cored Wire Welding	2	___
WEL 162 T.I.G. Welding	1	___
WEL 163 Weld Testing & Inspection	<u>2</u>	___
	13	

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Welding Technology Certificate Program \(00WEL0060\)](http://www.jalc.edu/gainful_employment/welding_technology/Gedt.html). You can also access this information by typing the following URL into your browser’s address bar: http://www.jalc.edu/gainful_employment/welding_technology/Gedt.html

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Effective Date: Fall 2008
Rev. 03/2012

The Welding Program is accredited by:

American Welding Society
8669 NW 36 Street
Suite 130
Doral, FL 33166

Career Opportunities: Upon successful completion of the Welding Technology Certificate, the student will have the opportunity to enter the workforce as a welding technician. The program will prepare graduates for entry into union trades positions including boilermakers, plumbers & pipefitters, structural steel workers, rail car repair and general maintenance; small and medium job shops.

Course Descriptions

All course descriptions are located on our website, for access click the following link [Course Descriptions](#).

Explanation of Course Descriptions

PHY 202 DYNAMICS

← Course prefix, course number, and course name

IAI

← Illinois Articulation Initiative Course Number

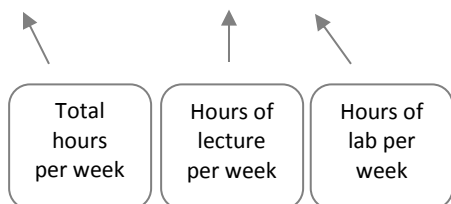
3 hours

← Credit hours to be earned

Prerequisites: PHY 201

← Requirements and/or course(s) to be completed before enrolling in the course

3 hours weekly (3 – 0)



A continuation of PHY 201. Methods of elementary classical mechanics as applied to particles and rigid bodies in nonequilibrium situations. Vector algebra is used extensively and some vector calculus is introduced.

← Course description

Accounting (ACC)

ACC 100 Business Accounting

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a practical accounting course for non-accounting majors. It includes a study of the elements of accounting, accounting procedures, conceptual framework, business transactions, common journals, posting, trial balance, worksheet, adjusting entries, income statement, balance sheet, statement of owner's equity, closing entries, post-closing trial balance, accounting for cash, accounting for purchases and sales, and payroll accounting.

ACC 105 Payroll Accounting

3 Hours

Prerequisites: ACC 100 or ACC 200 or consent of department chair

3 hours weekly (3-0)

Introduction to payroll accounting as related to business. Includes law related to payroll, wages and salaries, social security taxes, income tax withholding, unemployment compensation taxes, and payroll transactions.

ACC 200 Financial Accounting I

IAI – BUS 903

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Financial Accounting is designed to be a complete learning package for the first accounting course at the college level. Financial Accounting presents accounting as an information system that produces summary

financial statements, primarily for users external to a business or other enterprise. Students study the forms of business organizations and the common transactions entered into by businesses. The emphasis is on understanding and applying basic accounting principles and other concepts that guide the reporting of the effect of transactions and other economic events on the financial condition and operating results of a business. How to analyze and interpret historical financial statements and the limitation of using these in making forward-looking business decisions are included. The course will expose the students to such topics as ethics, alternative forms of business organizations, typical business practices, legal instruments and financial statements. Woven throughout all of this is the step-by-step instruction needed to understand and apply the concepts, principles, and practices of the modern accounting system according to generally accepted accounting principles.

ACC 201 Financial Accounting II

IAI – BUS 903

3 Hours

Prerequisites: ACC 200

3 hours weekly (3-0)

Financial Accounting II is designed to complement the learning process started in Financial Accounting I. This course will continue the study of the forms of business organization and the transactions required for the owner's equity section of partnerships and corporations. The primary content will be accounting for current and long-term assets and liabilities, stock and bond transactions from both the issuer's and the buyer's perspective, corporate financial statements, including accounting for cash flow, extraordinary items, discontinued operations, changes in accounting principles, income taxes, and financial statement analyses.

Present value will be introduced in conjunction with the valuation of both assets and liabilities.

ACC 202 Managerial Accounting

IAI – BUS 904

3 Hours

Prerequisites: ACC 201 (SIU 220) and sophomore standing

3 hours weekly (3-0)

This course provides an introduction to accounting techniques used by internal company managers when they are faced with planning, directing, controlling and decision-making activities in their organizations. Managerial accounting is presented as a system of producing information for use in internally managing a business. The course emphasizes the identification, accumulation, and interpretation of information for planning, controlling, and evaluating the performance of separate components of a business. Included is the identification and measurement of the costs of producing goods or services and how to analyze and control these costs. Decision models commonly used in making specific short- and long-term business decisions are also included. Accounting information can be used to identify and analyze alternatives and to guide the manager to a course of action that will yield the greatest benefit to the firm. While the major emphasis in financial accounting is on the accumulation and presentation of historical accounting data to external decision-makers, the emphasis in managerial accounting is on the presentation and analysis of that data to the internal decision-makers.

ACC 218 Tax Accounting

3 Hours

Prerequisites: ACC 201

3 hours weekly (3-0)

Introduction to federal income tax structure as related to the individual and to the small business person. Includes individual income tax return, gross income and exclusions, business income and expenses, itemized deductions, other incentives, credits, and special taxes.

ACC 225 Integrated Accounting on Computers

3 Hours

Prerequisites: ACC 100 or ACC 200 or consent of department chair

3 hours weekly (3-0)

Introduction to computerized accounting programs. Includes accounts payable, accounts receivable, depreciation, financial statements, general ledger, inventory, and payroll.

Automotive Collision Technology (ACT)

ACT 190 Auto Body Repair I

2 Hours

Prerequisites: None

2 hours weekly (2-0)

A study of the basics of minor dent and rust repair, using fiberglass polyester, two-agent chemically activated fillers, dent puller, and shaping tools. Plastic identification and flex panel repair are included.

ACT 191 Metal Finishing and Painting

2 Hours

Prerequisites: None

2 hours weekly (2-0)

A study in the use of abrasives and solvent type paint preparations, application of lacquer, enamel and water base types of paint, and automotive cleanup and buffing equipment.

ACT 192 Frame and Body Alignment

2 Hours

Prerequisites: ACT 190, 191, 196

2 hours weekly (2-0)

This course teaches how to analyze and correct one or more damaged automobile sections in order to accomplish a perfect profile and to correct damage in stretching or shrinking of the metal. Studies of heavy auto damage and the use of porto-powers, frame straightening machines and gauging and alignment tools, as well as alignment of door, hood, and deck lid, and replacement of detachable parts are also included. A major emphasis is placed on unitized body repair.

ACT 193 Advanced Auto Body Repair

1 Hour

Prerequisites: ACT 190, 191, 196

1 hour weekly (1-0)

A study in the use of abrasives and solvent type paint preparations, applications of lacquer, and enamel types of paint. Interior and accent application, custom painting and fiberglass finishings, and use of water base and baked-on finishes are emphasized.

ACT 194 Body Shop Management

1 Hour

Prerequisites: ACT 190, 191, 196

1 hour weekly (1-0)

A study of body shop management, time management, space, tools, employees, insurance, safety, and estimate writing will be covered.

ACT 196 Auto Body Lab

5 Hours

Prerequisites: Concurrent enrollment in ACT 190, 191

15 hours weekly (0-15)

This lab will enable students to practice the topics covered in ACT 190 and ACT 191 with the basic application of auto repair filler, patches, and paints. The student will also use buffers, solvents, and chemicals appropriate for new and used car cleanup.

ACT 197 Auto Body Repair and Paint Lab II

5 Hours

Prerequisites: Concurrent enrollment in ACT 192, 193, 194

15 hours weekly (0-15)

This lab will enable students to practice the topics covered in ACT 192, 193, and 194 with the basic application of auto repair filler, patches, and paints. The uses of frame straightening, gauging, and major panel replacement are strongly stressed.

ACT 273 Chassis Electrical

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A study of the electrical accessories of automobiles such as power windows, power seats, directional signals, and all other wiring. Diagnosis, repair, and troubleshooting are stressed. Theory is supplemented by laboratory work in ACT 197.

ACT 291 Mechanical Systems for Collision Technology

2 Hours

Prerequisites: None

2 hours weekly (2-0)

A study in basic cooling systems, drive train, fuel delivery, and exhaust systems. The identification, replacement, and testing of these areas as services in collision repair.

ACT 293 Structural Damage Repair

1 Hour

Prerequisites: None

1 hour weekly (1-0)

A study of the repair procedure used in structural damage repair, including replacement of panels, sectioning, and straightening methods. This course will include ASE- and ICAR-approved repairs.

ACT 294 Plastics and Adhesives

2 Hours

Prerequisites: None

4 hours weekly (1-3)

A study in the identification and preparation of plastics and flexible parts for repair. The repair including patching, bonding, shaping, and welding of panels and parts.

ACT 296 Structural Damage Repair Lab

4 Hours

Prerequisites: Concurrent enrollment in ACT 293

12 hours weekly (0-12)

This course teaches how to analyze and correct major collision damage to return the vehicle to the original dimension and strength. Major emphasis is placed on unitized sections and straightening procedures.

Associate Degree Nursing (ADN)

ADN 100 ADN Orientation

.5 Hours

Prerequisites: Admission to ADN program

.5 hours weekly (.5-0)

This course will introduce students to the ADN program entry requirements for classroom, labs, and clinicals.

ADN 201 Health Assessment and Nursing Care

4 Hours

Prerequisites: BIO 205, 206, and acceptance into the Associate Degree Nursing Program

5 hours weekly (3-2)

This course introduces the student to the concepts that are the foundation of the nursing curriculum. Emphasis is placed on the study of basic human needs and the components of the nursing process. Physical assessment skills will be reviewed utilizing a systems approach. Other topics that will be covered include venipuncture and IV therapy, methods of documentation, and principles of good interpersonal communication.

ADN 202 Nursing Care of the Adult I

7 Hours

Prerequisites: Acceptance in the Associate Degree

Nursing Program and concurrent enrollment in ADN 201

10 hours weekly (4-6)

This course introduces concepts related to nursing care of adult and geriatric individuals experiencing acute and chronic alterations in health. Emphasis is placed on utilizing the nursing process as a framework for providing

and managing care to individuals along the wellness-illness continuum. Upon completion, students should be able to apply the nursing process to individuals experiencing acute and chronic alterations in their cardiovascular, respiratory, and neurological systems. Nursing roles, psychosocial needs of the client and family, teaching/learning principles, legal/ethical implications of care, and related health trends and issues are integrated through the class.

ADN 202S ADN Supplemental Instruction I

1 Hour

Prerequisites: Concurrent enrollment in ADN 202

2 hours weekly (0-2)

This course is designed to provide both individual and group supplemental instruction to complement the theory and clinical portions of the nursing course, ADN 202 Nursing Care of the Adult I. The purpose is to provide the student with necessary knowledge and skills to pass the national nursing exam (NCLEX-RN) and to be a safe beginning nurse practitioner. This course focuses on beginning critical thinking skills related to prioritizing nursing care and decision-making skills regarding nursing interventions for case studies of patients experiencing neurological, cardiovascular, and respiratory disorders.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

ADN 203 Intro to Conceptual Framework

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license.

3.5 hours weekly (2.5-1)

This course is designed to further the student's knowledge of the concepts that are foundational to the nursing curriculum, including assessment, pharmacological administration and intravenous therapy skills. Emphasis is placed on problem solving through application of the nursing process as well as understanding of pharmacological agents associated with disorders commonly encountered in nursing practice. Learning opportunities include both theory content and selected nursing lab experiences.

ADN 205 Respiratory Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in respiratory function and those associated disorders commonly encountered in nursing practice.

ADN 206 Cardiovascular Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in cardiovascular function and those

associated disorders commonly encountered in nursing practice.

ADN 207 MTBLC/ENDCRNE Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in metabolic-endocrine function and those associated disorders commonly encountered in nursing practice.

ADN 210 GI/GU Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in gastrointestinal/genitourinary function and those associated disorders commonly encountered in nursing practice.

ADN 212 Psychiatric Nursing Interventions

2 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

3 hours weekly (1-2)

This course is designed to further the student's knowledge in psychiatric function and those associated disorders commonly encountered in nursing practice.

ADN 213 Nursing Today and Tomorrow

2 Hours

Prerequisites: ADN 201

3 hours weekly (1-2)

Leadership in nursing, transition into the new graduate role, and current issues in nursing are the integral components of the terminal course of this program. Students will be given an opportunity to apply their knowledge and nursing skills in a practical experience.

ADN 218 Mental Health Issues in Nursing

3 Hours

Prerequisites: ADN 201

4 hours weekly (2-2)

This course includes concepts related to the nursing care of individuals experiencing alterations in social and psychological functioning. Emphasis is placed on utilizing the nursing process to provide and manage nursing care for individuals with common psychiatric disorders or mental health needs. Nursing roles, psychosocial needs of the client, and family teaching/learning principles, legal/ethical implications of care, commonly used medications, and related health trends and issues are integrated throughout the course. Upon completion, students should be able to apply psychosocial theories in the nursing care of individuals with psychiatric/mental health needs.

ADN 220 Nursing Care of the Adult II

7 Hours

Prerequisites: ADN 201, 202

10 hours weekly (4-6)

This course provides expanded concepts related to nursing care for individuals experiencing complex alterations in health. Emphasis is

placed on the nurse's role as a member of a multidisciplinary team and as a manager of care for a group of individuals. Care for patients with alterations in GI-GU metabolic/ endocrine, orthopedics, and skin function will be addressed. Nursing roles, psychosocial needs of the client and family, legal/ethical implications of care, teaching/learning principles, and related health trends and issues are integrated throughout the class.

ADN 220S Supplemental Instruction I

1 Hour

Prerequisites: Previous or concurrent enrollment in ADN 220 Nursing Care of the Adult II

2 hours weekly (0-2)

This course is designed to provide both individual and group supplemental instruction to complement the theory and clinical portions of the nursing course, ADN 220 Nursing Care of the Adult II. The purpose is to provide the student with necessary knowledge and skills to pass the national nursing exam (NCLEX-RN) and to be a safe beginning nurse practitioner.

ADN 221 Family Nursing

5 Hours

Prerequisites: ADN 201, 202

7 hours weekly (3-4)

This course includes nursing concepts related to the delivery of nursing care for the expanding family. Emphasis is placed on utilizing the nursing process as a framework for managing/providing nursing care to individuals and families along the wellness-illness continuum. Upon completion, students should be able to utilize the nursing process to deliver nursing care to mothers, infants, children, and families. The role of the associate degree nurse as a provider of care is emphasized, integrating

the concepts of caring, health care trends, cultural diversity, nutrition, pharmacology, and teaching/learning principles.

ADN 223 Pediatric Nursing Interventions

2 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

3 hours weekly (1-2)

This course is designed to further the student's knowledge in pediatric interventions and those associated disorders commonly encountered in nursing practice.

ADN 224 Obstetrical Nursing Interventions

2 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

3 hours weekly (1-2)

This course is designed to further the student's knowledge in obstetrical nursing interventions and those associated disorders commonly encountered in nursing practice.

ADN 225 Ortho/Derm Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in orthopedic/dermatological function and those associated disorders commonly encountered in nursing practice.

ADN 226 Neuro/Sensory Nursing Interventions

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

4 hours weekly (2-2)

This course is designed to further the student's knowledge in neurological/sensory function and those associated disorders commonly encountered in nursing practice.

ADN 228 Nursing Leadership Today & Tomorrow

3 Hours

Prerequisites: Acceptance into the Hybrid Online AAS in Nursing program. Unencumbered active Illinois LPN license. ADN 203 with a grade of "C" or higher.

3 hours weekly (2-1)

Leadership in nursing, transition into the new graduate role and current issues in nursing are the integral components of this course. This course is focused on leadership skills necessary to make the transition to the new graduate role. Learning opportunities include preparation for the NCLEX-RN examination.

ADN 230 Advanced Pharmacology I

1.5 Hours

Prerequisites: PNE 161, PNE 171

2 hours weekly (1-1)

Pharmacologic therapy plays an important role in the treatment of patients experiencing health problems. This course is designed to provide the student with further depth of study into the drugs used in treating patients experiencing cardiovascular, respiratory, neurological and psychiatric problems. Emphasis will be placed

on pharmacological classifications, major drugs under each classification, physiologic mechanism of action, usual dosages, routes of administration, expected therapeutic effect, specific nursing considerations, side effects, adverse/toxic effects and patient education.

ADN 231 Advanced Pharmacology II

1.5 Hours

Prerequisites: ADN 230

2 hours weekly (1-1)

Pharmacologic therapy plays an important role in the treatment of patients experiencing health problems. This course is designed to provide the student with further depth of study into the drugs used in treating patients experiencing problems. Emphasis will be placed on pharmacological classifications, major drugs under each classification, physiologic mechanism of action, usual dosages, routes of administration, expected therapeutic effect, specific nursing considerations, side effects, adverse/toxic effects and patient education.

Air Force ROTC (AFS)

AFS 101 The Air Force Today

1 Hour (Same as AS101 at SIUC)

Prerequisites: Concurrent enrollment in AFS 101A

Survey course briefly treating chief topics relating to the Air Force and defense. It focuses on the organizational structure and missions of Air Force organizations, officership and professionalism and includes an introduction to communicative skills.

AFS 101A Leadership Laboratory

2 Hours (Same as AS101A at SIUC)

Prerequisites: Concurrent enrollment in AFS 101

Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included; a pre-participatory sports physical must be completed prior to entering the fitness program.

AFS 102 The Foundation of the U.S. Air Force

1 Hour (Same as AS102 at SIUC)

Prerequisites: Concurrent enrollment in AFS 102A.

A survey course designed to introduce students to the United States Air Force and provide an overview of the basic characteristics, missions and organization of the Air Force.

AFS 102A Leadership Laboratory

2 Hours (Same as AS102A at SIUC)

Prerequisites: Concurrent enrollment in AFS 102

Weekly laboratory consisting of Air Force customs and courtesies, health and physical

fitness, and drill and ceremonies. A mandatory fitness program is included; a pre-participatory sports physical must be completed prior to entering the fitness program.

AFS 201 The Evolution of United States Air Force and Space Power I

1 Hour (Same as AS201 at SIUC)

Prerequisites: Concurrent enrollment in AFS 201A

Features topics on Air Force heritage and leaders; introduction to air and space power through examination of competencies and functions; and continued application of communication skills. Its purpose is to instill an appreciation of the development and employment of air power and to motivate sophomore students to transition from Air Force ROTC cadet to Air Force ROTC officer candidate. In addition, aspects of the 200 course begin to prepare cadets for their experiences at field training.

AFS 201A Leadership Laboratory

2 Hours (Same as AS201A at SIUC)

Prerequisites: Concurrent enrollment in AFS201

Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included; a pre-participatory sports physical must be completed prior to entering the fitness program.

AFS 202 The Evolution of the United States Air Force and Space Power II

1 Hour (Same as AS202 at SIUC)

Prerequisites: Concurrent enrollment in AFS 202A

Features topics on Air Force heritage and leaders; introduction to air and space power through examination of competencies and functions; and continued application of communication skills. Its purpose is to install an appreciation of the development and employment of air power and to motivate sophomore students to transition from Air Force ROTC cadet to Air Force ROTC officer candidate. In addition, aspects of the 200 course begin to prepare cadets for their experiences at field training.

AFS 202A Leadership Laboratory

2 Hours (Same as AS202A at SIUC)

Prerequisites: Concurrent enrollment in AFS202

Weekly laboratory consisting of Air Force customs and courtesies, health and physical fitness, and drill and ceremonies. A mandatory fitness program is included; a pre-participatory sports physical must be completed prior to entering the fitness program.

Allied Health (ALH)

ALH 101 Cardiopulmonary Resuscitation

1 Hour

Prerequisites: None

1 hour weekly (1-0)

A basic course designed to prepare students in emergency cardiopulmonary care with emphasis on early signs of cardiopulmonary problems, immediate care of the cardiopulmonary victim, and methods of accessing the emergency medical system. Beginning first aid procedures are also discussed.

ALH 102 CPR Recertification

.5 Hour

Prerequisites: CPR certification nearing expiration or expiration within the previous 6 months

8 hours total

A recertification course designed for those whose basic CPR card is nearing expiration or has expired within the previous six months. Early identification of cardiopulmonary distress, the immediate care for the victim, and methods of obtaining appropriate assistance for the victim will be stressed.

ALH 106 Introduction to Athletic Training

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed for students pursuing a career in athletic training. The course provides information about the NATA, job opportunities, incidence or injury, basic injury prevention, recognition and treatment.

ALH 107 Prevention and Care of Athletic Injuries

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to the prevention and care of athletic- related injuries.

ALH 110 Issues in Health and Patient Care

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course focuses on current legal and ethical issues in sonography and in health care delivery. An overview of sonography practice, present trends and associations will be discussed. Infection control, an analysis of death and dying and medical asepsis are introduced. Care of the patient with emphasis placed on basic human needs, communication, physical assessment skills and patient positioning is introduced.

ALH 112 Pathophysiology and Terminology

3 Hours

Prerequisites: BIO 206 with a grade of "C" or higher

3 hours weekly (3-0)

This course is designed to further the student's knowledge of pathophysiological disorders and basic terminology.

Army Military Science (AMS)

AMS 101 Introduction to Military Science

1-2 Hours (Same as AMS101 at SIUC)

Prerequisites: None

Variable hours weekly depending on course credit

Introduction to basic military science focusing on leadership skills and individual tasks. This introductory course will provide the student with realistic experience in leadership and hands-on experience with a variety of army equipment. This course offers a leadership laboratory.

AMS 102 Introduction to Military Science II

1-2 Hours (Same as AMS102 at SIUC)

Prerequisites: None

Variable hours weekly depending on course credit

Expanded introduction to basic military skills focusing on squad level tactics, written orders, security, first aid, and drill and ceremony. Realistic experiences that challenge the students' ability to apply their leadership with doctrinal guidelines. This course offers a leadership laboratory.

AMS 201 Basic Leadership Skills

3 Hours (Same as AMS201 at SIUC)

Prerequisites: None

3 hours weekly (3-0)

Applied leadership in a small group context. Exercises in self-confidence, group communications, and leadership evolved from situations where the group is required to function and survive on a self-sufficient basis. Principles of survival and cooperative effort will be explored in depth, with maximum

involvement of the student in leadership and problem-solving roles. Includes leadership lab.

AMS 202 Leadership Studies and Teamwork

3 Hours (Same as AMS202 at SIUC)

Prerequisites: None

3 hours weekly (3-0)

A study of the Military Management System, including the functional aspects of leadership within the military structure. Includes the presentation of military leadership traits, styles, approaches, managerial techniques, and communications. Includes a leadership laboratory.

Anthropology (ANT)

ANT 111 Anthropology

IAI – SI 900N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Anthropology 111 is an introduction to the study of evolution, human origins, archaeology and the development of human society in prehistory. The student will learn about the genetic, environmental, and cultural processes affecting human variation and adaptation. Students will also study the taxonomic classifications of past and present human and non-human primates, archaeological methods and dating techniques used to establish chronologies, the beginnings of human culture, the development of “stone age” societies, the peopling of the New World, and the formation of early cities.

ANT 202 America’s Diverse Cultures

IAI – S1 904D

3 Hours

Prerequisites: None

3 hours weekly (3-0)

With over 300 spoken languages representing as many ethnicities and sub-groups within the political state of America, what does it mean to be an American? The political, military, and economic structures, along with their symbols, provide Americans with a large ideal of a national life. On-the-other-hand, the wide range of social practices express the variety of patterns people maintain to meet the contingencies of daily life. This course is designed to explore the diverse patterns of American life through an ethno-historical perspective and seek some answer to the

question of what it is to be American. To this end, we will understand more than ethnicities; we will examine gender, the concept of race, age, social class, assimilation and acculturation, social policy issues and social problems using historical and anthropological investigation and evidence.

ANT 216 Cultural Anthropology

IAI – SI 901N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Cultural Anthropology is the comparative study of human culture and society. Students will examine problems central to the study of humanity and explore the nature of culture, society, language, kinship, marriage, social hierarchy, and other social creations (such as a person’s identity) through ethnographic accounts and anthropological theory. Thus the diverse ways in which humans have organized to meet the contingencies of daily life will provide a deeper understanding and respect for the different patterns of culture humans have created.

ANT 240 Introduction: Physical Anthropology

IAI – S1 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Physical Anthropology (also called Biological or Evolutionary Anthropology) is an introduction to humans as a biological species through time and geography. The course applies the scientific method to explore the beginnings of hominids, the origins of humans, and our relationship to our closest primate relatives. The human fossil record, genetics, evolutionary

theory, primate behavior and evolution, and similarities and differences in modern humans, including blood groups, skin color, and disease susceptibility are major topics of study to better understand our place in the web of life as a biological organism.

Architecture (ARC)

ARC 184 Architecture Documents I

4 Hours

Prerequisites: DRT 185 Computer Graphics I

6 hours weekly (2-4)

This course introduces the student to architectural drafting techniques. The student will learn how to develop plans for a residential building. Following are the key topics covered in class: site plan, floor plan, foundation plan, wall sections, elevations, electrical, and plumbing.

ARC 201 Strength of Materials

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A study of forces, components, resultants and equilibrants, stress and strain in compression, tension and shear, modulus of elasticity, controls, moments of inertia and section modulus of sections, shearing stress and diagrams, bending moments, and diagrams in beams.

ARC 202 Presentation Drawings

3 Hours

Prerequisites: ARC 184 Architecture Documents I or GRD 110 Graphics Design I

4 hours weekly (2-2)

Study of design principles of presentation drawings related to the architectural field. The different types of presentation methods including elevations, floor plans, site plans, and sections will be discussed. The various types of common media will be explored. The three different types of perspective drawings will be discussed and evaluated as each relates to

presentation drawings. Line types, color, and methods of shading will be used on projects.

Art (ART)

ART 101 Two-Dimensional Design

IAI – ART 907

3 Hours

Prerequisites: None

6 hours weekly (0-6)

This is a fundamental design course dealing with concepts and materials that can be applied to any two-dimensional work. Emphasis is placed on problem solving, developing perceptual skills, and critical judgment. This studio course explores fundamentals of formal systems and basic elements of visual organization. Basic health and safety issues will be taught relative to the materials used.

ART 102 Three-Dimensional Design

IAI – ART 908

3 Hours

Prerequisites: None

6 hours weekly (0-6)

Introduction to the basic elements of three-dimensional design; those ideas and concepts that concern themselves with structure and spatial organization used in investigating and solving basic sculptural problems/three-dimensional problems. Various materials will be used. Basic health and safety issues will be taught relative to the materials used.

ART 111 Art Appreciation

IAI – F2 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course attempts to develop interest, aptitude, and understanding through visual, verbal, and actual experience with media. A basis for approaching visual arts is also included. Emphasis is on exposure to the visual arts.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

ART 165 Fibers I

3 Hours

Prerequisites: None

6 hours weekly (0-6)

This is an introduction to fibers as an art form, emphasizing esthetic and technical development using existing fiber surfaces and/or fabricated surfaces. Basic health and safety issues will be taught relative to the materials used.

ART 180 Drawing I

IAI – ART 904

3 Hours

Prerequisites: None

6 hours weekly (0-6)

A basic course stressing understanding of visual perception, drawing media and drawing skills. Emphasis is placed on attaining a basic level of drawing skill, using a variety of media, solving problems in a creative and original manner, and learning how three-dimensional objects can be

rendered on the flat surface. Course includes vocabulary development, critical analysis activities, and reference to historic models of drawing. Basic health and safety issues will be taught relative to the materials used.

ART 205 Graphic Design

3 Hours

Prerequisites: ART 101 or consent of instructor

6 hours weekly (0-6)

An introduction to the theoretical and practical aspects of visual communication, including techniques, processes, terminology, and basic compositional and conceptual skills of graphic design. Emphasis will be placed on design problems that will develop perceptual skills and critical judgment.

ART 220 History of Art I

IAI – F2 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is the first part of a three-semester survey of Western and non-Western art from prehistory to the present. The origins and nature of art in a variety of ancient civilizations from around the world, such as Ancient Mesopotamia, Egypt, Greece, China, India and the Americas will be studied. Sculptures, painting, architecture, metalwork, ceramics, textiles and other art works are studied in their social and historical contexts, with consideration of issues of style, subject matter, meaning technique and aesthetics.

ART 221 History of Art II

IAI – F2 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is the second part of a three-semester survey of Western and non-Western art from prehistory to the present. Art from Ancient Rome to Early Renaissance in Europe, Africa and Asia will be studied. Sculptures, painting, architecture, metalwork, ceramics, textiles and other art works are studied in their social and historical contexts, with consideration of issues of style, subject matter, meaning technique and aesthetics.

ART 222I History of Modern Art

3 Hours

Prerequisites: Students enrolled in a study abroad program. (Contact the International Education Coordinator for more information.)

3 hours weekly (3-0)

This course examines Modern Art in historical perspective. We will trace its roots in 19th century individualism and the Impressionists' discovery of modern life and then follow the major movements and artists of the 20th century. Since the course is taught in the context of a European Studies Program, it will emphasize the European development and discuss American contributions, especially in the second half of the century, on a comparative basis.

ART 223 History of Art III

3 Hours

Prerequisite: None

3 hours weekly (3-0)

This course is the third part of a three-semester survey of Western and non-Western art from prehistory to the present. The focus will be on art produced from the 19th century to the 21st. Sculptures, painting, architecture, metalwork, ceramics, textiles and other art works are studied in their social and historical contexts, with consideration of issues of style, subject matter, meaning technique and aesthetics.

ART 250 Ceramics I

3 Hours

Prerequisites: None

6 hours weekly (0-6)

This is an introduction to fine arts ceramics. Handbuilding processes—pinching, slab construction, and coil building—will predominate with some opportunity for beginning wheel throwing. Projects will include both vessel making and sculpture. Students will gain familiarity with clay, slips, glazes, and simple firing techniques. In addition they will be introduced to the scope of historical and contemporary ceramic art. Basic health and safety issues will be taught relative to the materials used.

ART 255 Life Drawing

3 Hours

Prerequisites: ART 180 or consent of instructor

6 hours weekly (0-6)

This is an introduction to basic concepts and procedures as experienced through a variety of drawing media that function as graphic expression. Basic information and practice in

drawing the human figure and related concerns constitute the substance of this course. Basic health and safety issues will be taught relative to the materials used.

ART 256 Drawing II

IAI – ART 905

3 Hours

Prerequisites: ART 180 or consent of instructor

6 hours weekly (0-6)

This course provides the opportunity to extend knowledge and practice in drawing still life, landscape, human figure, and perspective while gaining increased control of assorted drawing media. It gives the student opportunity for additional development beyond beginning drawing and life drawing. A minimum of 120 hours of studio work is required. Basic health and safety issues will be taught relative to the materials used.

ART 260 Beginning Painting

3 Hours

Prerequisites: ART 101 or 180 or consent of instructor

6 hours weekly (0-6)

Concepts, procedures, and material are all important for the painting discipline. This course provides an opportunity to work in several different painting media. Basic information about varied paints, painting materials, and practices are part of the format. Basic health and safety issues will be taught relative to the materials used.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

ART 290 Computer Art I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is an introduction to computer applications in the visual arts. Students will utilize computer equipment and software in approaching visual image manipulation and generation, including the integration of computer hardware, software and peripheral equipment to create and combine traditional and contemporary visualizations with art and design. Issues of personal health and safety relative to this process are thoroughly discussed and practiced.

ART 291 History of Photography

IAI – F2 904

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is about the historical development of photography as an art form from 1839 to the present, including critical analysis of types of photographs and aesthetic movements in photography. A close look at those considered established masters and others will be studied and critiqued for composition, their aesthetic and humanistic values, emphasizing photographs as expressions of the ideas and beliefs of photographers within their cultural and social content.

ART 292 Computer Art II

3 Hours

Prerequisites: ART 290

4 hours weekly (2-2)

This course continues building esthetic and technical skills begun in the introductory level course and refines those skills. Students will utilize computer equipment and professional digital imaging software, a printer and media storage devices to complete imaging projects. Foundation techniques will include proper layout, design, resolution, printing, and techniques critical to computer art. This course will enable students to better understand the power of this art form.

ART 293 Art Preparation and Portfolio

1 Hour

Prerequisites: ART 101, ART 102, ART 180 or an Art Elective

2 hours weekly (0-2)

This course will prepare art and art education students with skills and materials they will need to apply to BA and BFA programs. It will also teach advanced skills for preparing canvases for painting.

ART 296 Photography I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

An introductory course covering the basic principles of digital photography as an art medium, including equipment selection and use, image processing, and relevant aesthetic, historic, cultural, and critical issues. Students will receive instruction on a variety of

photographic subjects and will participate in photographic assignments and critiques.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

ART 299I Studio Art: Printmaking

3 Hours

Prerequisites: Beginning Drawing. Students enrolled in a study abroad program. (Contact the International Education Coordinator for more information.)

5 hours weekly (1-4)

The course is designed as an introduction to the major techniques of printmaking. In addition, several workshops will introduce students to Salzburg artists. Students with a previous background in printmaking may work in an area/technique of their choice and develop their own project(s) for the semester. Students are encouraged to keep a sketchbook throughout the semester as a collection and resource of visual ideas.

Automotive Services Technology (AST)

AST 170 Engine Repair

4 Hours

Prerequisites: None

8 hours weekly (2-6) (Meets 4 hours daily for 30 days or 16 hours weekly for 7.5 weeks)

A study of the diagnosis and repair of cylinder heads and valve trains, short blocks, and lubrication and cooling system components. General engine diagnosis and engine completion and start-up procedures are also covered.

AST 171A Ignition Systems

4 Hours

Prerequisites: None

8 hours weekly (2-6) (Meets 4 hours daily for 30 days or 16 hours weekly for 7.5 weeks)

This course is a study of ignition systems, beginning with breaker point systems and covering the evolution through computerized ignition systems.

AST 171B Fuel and Exhaust Systems

4 Hours

Prerequisites: AST 171A

8 hours weekly (2-6) (Meets 4 hours daily for 30 days or 16 hours weekly for 7.5 weeks)

A study of fuel and exhaust systems, including carburetion, fuel injection, and computer-controlled fuel systems.

AST 172 Introduction to Automotive Services

2 Hours

Prerequisites: None

4 hours weekly (1-3) (Meets 4 hours daily for 15 days or 8 hours weekly for 7.5 weeks)

A study of shop safety, shop operation, and career opportunities in automotive technology. Also covered are basic servicing techniques as applied to engine repair and automatic transmissions and transaxles.

AST 173 Braking Systems

4 Hours

Prerequisites: None

8 hours weekly (2-6) (Meets 4 hours daily for 30 days or 16 hours weekly for 7.5 weeks)

Provides instruction in hydraulic principles, brake lines and hoses, disc and drum brake components, and anti-lock braking systems.

AST 180A Basic Electrical Systems

2 Hours

Prerequisites: None

4 hours weekly (1-3) (Meets 4 hours daily for 15 days or 8 hours weekly for 7.5 weeks)

This course is a study of the principles of electricity and general electrical system diagnosis.

AST 180B Starting and Charging Systems

2 Hours

Prerequisites: AST 180A or consent of instructor

4 hours weekly (1-3) (Meets 4 hours daily for 15 days or 8 hours weekly for 7.5 weeks)

A study of the diagnosis and service of batteries, starting systems, and charging systems.

AST 180C Electrical Accessories

2 Hours

Prerequisites: AST 180A or consent of instructor

4 hours weekly (1-3) (Meets 4 hours daily for 15 days or 8 hours weekly for 7.5 weeks)

A study of lighting systems, gauges, warning circuits, supplemental restraint systems, and other accessories.

AST 200 Alternative Fuels

2 Hours

Prerequisites: None

2 hours weekly (2-0) (Meets 2 hours daily for 15 days or 4 hours weekly for 7.5 weeks)

This course is a continually evolving study of alternative ways to propel an automobile. For example, compressed natural gas, propane, biodiesel, hydrogen fuels, electrical vehicles, etc., will be studied.

AST 270 Manual Drive Trains and Axles

4 Hours

Prerequisites: None

8 hours weekly (2-6) (Meets 4 hours daily for 30 days or 16 hours weekly for 7.5 weeks)

A study of the diagnosis and repair of clutches, manual transmissions, manual transaxles, and differentials. Drive shafts, CV joints, front-wheel drive, and four-wheel drive components are also covered.

AST 271 Automatic Transmission/Transaxles

4 Hours

Prerequisites: None

8 hours weekly (2-6) (Meets 4 hours daily for 30 days or 16 hours weekly for 7.5 weeks)

A study of automatic transmission and transaxle diagnosis and repair. Electronic controlled trans-missions are also covered.

AST 273 Automotive Computer Electronics

2 Hours

Prerequisites: AST 180A or consent of instructor

4 hours weekly (1-3) (Meets 4 hours daily for 15 days or 8 hours weekly for 7.5 weeks)

This course is a review of Ohm's law as it applies to electronic circuits. Solid state components and digital electronics are also covered.

AST 276 Emission Control Systems

2 Hours

Prerequisites: None

4 hours weekly (1-3) (Meets 4 hours daily for 15 days or 8 hours weekly for 7.5 weeks)

This course is a study of emission control systems. Individual emission control devices as well as OBD II systems are covered.

AST 279 ASE Testing

2 Hours

Prerequisites: None

2 hours weekly (2-0) (Meets 2 hours daily for 15 days or 4 hours weekly for 7.5 weeks)

This course is designed to help prepare the student to pass ASE tests. These tests are not from ASE tests, but are similar in context and style. The National Institute for Automotive Service Excellence (ASE) has been organized to promote and encourage high standards of automotive service and repair. ASE offers tests in eight specific areas of automotive repair, which are covered in this course.

AST 280 Air Conditioning

4 Hours

Prerequisites: None

8 hours weekly (2-6) (Meets 4 hours daily for 30 days or 16 hours weekly for 7.5 weeks)

This course is a study of automotive air conditioning and climate control systems.

AST 281 Suspension and Steering

4 Hours

Prerequisites: None

8 hours weekly (2-6) (Meets 4 hours daily for 30 days or 16 hours weekly for 7.5 weeks)

A study of suspension and steering system diagnosis, repair, and adjustment.

Applied Technologies Internship (ATI)

ATI 200 Applied Technologies Internship

1-3 Hours

Prerequisites: Completed 12 credit hours and consent of department chair

80-240 hours during semester

The internship is on-the-job work experience that will enable the student to apply skills and knowledge acquired in the classroom to real work experiences. It is a cooperative venture involving the student, the college, and training station (employer). The internship will be closely planned and supervised by the College coordinator, so the student will obtain the student's course of study and level of development. Internship students work in a variety of applied technologies programs.

Biology (BIO)

BIO 100 Biology for Non-Science Majors

IAI – LI 900L

4 Hours

Prerequisites: None

5 hours weekly (3-2)

A course designed specifically for the non-science major student. The course provides laboratory experience and lecture concepts that help the non-science major student understand the foundations of biology. Emphasis is placed on the application of this knowledge to human concerns and endeavors. Topics to be covered include but are not limited to: process of science, biochemistry, cell science, metabolism, genetics, molecular biology, biotechnology, evolution, structure and function, and ecology.

BIO 101 Biological Science for Science Majors I

IAI – L1 910L, IAI – BIO 910

4 Hours

Prerequisites: None

5 hours weekly (3-2)

This course is designed for science majors. It is a lecture-lab course which includes the following: an introduction to biochemistry, molecular genetics, cell structure, function, and processes. The scientific method is presented in lab.

BIO 102 Biological Sciences II

IAI – L1 910L, IAI – BIO 910

4 Hours

Prerequisites: None

5 hours weekly (3-2)

Organismal biology, ecology, and evolution. An introduction to structure and function of major groups of microorganisms, fungi, animals, and plants. Emphasis on evolutionary relationships and ecological principles. Laboratory required.

BIO 105 Human Biology

IAI – L1 904L

4 Hours

Prerequisites: None

5 hours weekly (3-2)

This course is an introduction to the study of the structure and function of the human body. The course includes laboratory experience and lecture concepts suited for a course into the functioning human body and its impact in the natural community. Topics include: chemical, molecular, and cellular biology, human structure and function, human heredity, evolution, and ecology, and homeostatic imbalances and disease and their impact on society.

BIO 110 General Botany

IAI – L1 901L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Fundamental concepts of plant life cycles, structure, function, and divisional survey, with emphasis on higher plants.

BIO 115 Invertebrate Zoology

IAI – L1 902L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A survey of the major invertebrate phyla from protozoans through echinoderms. The course emphasizes origins and evolutionary history, functional morphology, and natural history. Representative organisms are examined in the laboratory.

BIO 120 Vertebrate Zoology

IAI – L1 902L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A survey of the phylum chordata, including cephalochordates and hemichordates as well as the more familiar vertebrates. Emphasis is placed on development, morphology, natural history, and diversity. Representative organisms are examined in the laboratory.

BIO 205 Human Anatomy and Physiology I

4 Hours

Prerequisites: None

5 hours weekly (3-2)

A study of the structure, functions, and homeostatic mechanisms of the normal human body. Subjects covered include: fundamentals of the chemical basis of life; cell structure and physiology; tissues; integumentary, skeletal, muscular, central and autonomic nervous systems; and special senses. The laboratory includes dissection of a cat, small mammal,

mammalian eye, and appropriate physiological experiments.

BIO 206 Human Anatomy and Physiology II

4 Hours

Prerequisites: None

5 hours weekly (3-2)

A study of the structure, function, and homeostatic mechanisms of the endocrine, circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems; defense mechanisms of the body; pregnancy; embryonic development; and inheritance. The laboratory includes dissection of cat and large mammal heart and appropriate physiological experiments.

BIO 225 Genetics

IAI – L1 906

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course examines gene structure and function. Cytogenetics, transmission genetics, molecular genetics and population genetics are explored during the semester. Special attention is given to applications of gene technology and the impact of genetic knowledge and technology on humanity.

BIO 226 General Microbiology

4 Hours

Prerequisites: None

6 hours weekly (2-4)

An introduction to the study of microorganisms, including their morphology, physiology, cultivation, classification, pathogenicity, economic importance, control, and immunity. Laboratory experiments guide students in development of laboratory procedures, sterile techniques, and data interpretation.

BIO 240 Plant and Animal Ecology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Important abiotic factors as well as population and community and ecosystem ecology, energy, bio-chemistry, and practical considerations are covered via a textbook of conceptual ecology. A field trip to both tropical and marine ecosystems is an option available to students.

BIO 241 Introduction to Tropical Ecology

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A travel-study course providing baccalaureate transfer students an introduction to tropical ecology. Tropical forests, deserts, savannas, freshwater marine habitats, and the human impact on these areas are explored through readings, lectures, videos, and fieldwork in a tropical location. On-campus assignments include a seminar before and after the trip and weekly assignments during the semester.

BIO 245 Conservation of Natural Resources

3 Hours

Prerequisites: Consent of the instructor

3 hours weekly (3-0)

Conservation of natural resources, including both traditional and current approaches with emphasis on recent developments.

BIO 275 Wild Plants

3 Hours

Prerequisites: None

5 hours weekly (1-4)

A course in the identification of common vascular plants, particularly the angiosperms (flowering plants), stressing basic taxonomy, field and herbarium methods, plant uses and plant communities in southern Illinois. Local field trips will offer a diversity of trees, shrubs and wildflowers in season.

Business (BUS)

BUS 101 Basic Business Mathematics

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed for students enrolling with a math deficiency as evidenced by grades in previous math courses and results of test scores. The following topics are covered: addition, subtraction, multiplication, division, fractions, decimals, percentages, narrative problems, and the use of calculators in working with math problems. After successfully completing this course, a student is ready to enroll in BUS 111.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

BUS 110 Introduction to Business

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to business functions, operations, and organization. Includes ownership and management, forms of organizations, finance, business ethics, personnel and labor-management relations, and marketing.

BUS 111 Business Mathematics

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A mathematics course designed to prepare the student to enter the business world and successfully apply math principles to everyday business problems. After a brief review of basic

math, some of the topics covered are percentages, discounts, interest, discounting notes, depreciation, inventory, commissions, bank statements, account sales and account purchases, basic statistics, markup-markdown, distribution of profits, and overhead expenses. Good basic math skills are highly recommended.

BUS 115 Basic Keyboarding

1 Hour

Prerequisites: None

2 hours weekly (0-2)

This course is an introduction to the computer keyboard. The primary goal is mastery of the keyboard demonstrated by the touch operation of the alphanumeric keyboard and symbols. The touch method for ten-keypad will be introduced. The course is designed to be completed in 7½ weeks.

BUS 116 Keyboarding I

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Mastery of the keyboard with speed and accuracy in the touch operation of the keyboard is the major goal of this course. Skill is developed for vocational and personal uses. Business office standards are used in keyboarding basic letter styles, reports, and tables. The following grade scale is used for speed on 3-minute timings on straight copy; A=40 wpm; B=36-39 wpm; C=32-35 wpm.

BUS 117 Keyboarding II

3 Hours

Prerequisites: BUS 116 or consent of department chair

5 hours weekly (1-4)

Further development of speed and accuracy in both production and straight copy keyboarding. Further study of business letters, special business communication forms and styles, reports, tables, and a mastery of keyboarding digits. The following grade scale is used for speed for 3-minute timings on straight copy: A=58 wpm; B=54 wpm; C=50 wpm.

BUS 121 Business Statistics

IAI – BUS 901

3 Hours

Prerequisites: MAT 116

3 hours weekly (3-0)

Introduction to statistical analysis of business and economic data and how it aids in controlling operations and in making sound business decisions. Includes descriptive measures of populations and samples, central tendency, probability and probability distributions, interval estimation, hypothesis testing, linear regression and analysis, chi-square analysis, and analysis of variance.

BUS 135 Office Language Skills

3 Hours

Prerequisites: None

3 hours (3-0)

This course is designed to review language skills and to improve the use of the following: proofreading skills, spelling, punctuation, other grammatical skills, including the proper use of capital letters, abbreviations, number styles,

word division, and the use of appropriate word choice.

BUS 151 (A-C) School-to-Work Transition Development

1 Hour

Prerequisites: None

5 hours weekly (0-5)

The broad objective is to meet the students' needs that are not covered in regular classes. Specific objectives and other elements in the syllabus will be developed when the course is offered. Application of workplace readiness skills to specific problems through observation, simulation, special class projects, or problem-solving procedures. (Topic to be listed on the student's permanent academic record.)

BUS 216 Pathophysiology and Pharmacology

3 Hours

Prerequisites: BUS 215 with a grade of "C" or better

3 hours weekly (3-0)

This course focuses on the description of conditions and diseases of all human body systems including etiology, signs, and symptoms, methods of diagnosis, and treatment. Students will also attain knowledge of basic pharmacology with emphasis on learning drug classifications and their therapeutic actions.

BUS 222 Legal/Social Environment of Business

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A study of the legal and social environment of business, with emphasis on business ethics and corporate social responsibility. Areas of

concentration include the legal system and government regulation of business, formation of contracts, securities law, consumer protection law, and labor and employment.

BUS 235 Business Correspondence

3 Hours

Prerequisites: None

3 hours weekly (3-0)

After a brief review of grammar, punctuation, word usage, and letter formats, the principles of letter writing will be presented. Attention is given to the various types of written business correspondence, interoffice communications, employment communications, and dictation techniques.

BUS 236 Records Management

1 Hour

Prerequisites: None

2 hours weekly (0-2)

Emphasis is on the basic principles of modern filing systems—including alphabetic, subject, numeric, chronological, and geographic filing. Students work with practice filing equipment and become acquainted with the rules of indexing, cross referencing, and coding, as well as retrieval, retention, and recycling of records.

BUS 237 Office Procedures

3 Hours

Prerequisites: BUS 116 or equivalent-CIS 101

3 hours weekly (3-0)

The knowledge and skills necessary to work as an office assistant in today's offices will be presented. Major topical areas include the organization of business offices, communications skills, technology and procedures, document creation and

distribution, travel, conference and meeting planning, financial and legal aspects, and professional and continuing development.

BUS 241 Supervised Legal Secretary Work Experience

2 Hours

Prerequisites: Consent of Chair of Department of Business

10 hours weekly (0-10)

On-the-job legal secretarial work experience will enable students to apply the skills and knowledge learned in the classroom. Students will work in approved offices in business and industry. The teacher-coordinator and the on-the-job supervisor will work together to evaluate student trainees in order to help them upgrade their skills and strengthen weaknesses.

BUS 242 Supervised Executive/Legal Secretary Work Experience

4 Hours

Prerequisites: Consent of Chair of Department of Business

20 hours weekly (0-20)

On-the-job executive/legal secretarial work experience will enable students to apply the skills and knowledge learned in the classroom. Students will work in approved offices in business and industry. The teacher-coordinator and the on-the-job supervisor will work together to evaluate student trainees in order to help them upgrade their skills and strengthen weaknesses.

BUS 250 Medical Transcription II

3 Hours

Prerequisites: BUS 249 with a grade of "C" or better

6 hours weekly (0-6)

This is a second-semester course of simulated on-the-job medical transcription. It will enable students to apply the skills and knowledge learned in previous medical classes to transcribe health care-related documents similar to those found in hospitals, clinics, and private practices. Students will transcribe dictation from physicians, nurses, and other health care providers.

BUS 251 Medical Transcription Internship

1 Hour

Prerequisites: BUS 250 or concurrent enrollment

5 hours weekly (0-5)

An internship to give students supervised on-the-job work experience in a medical transcription environment. Students will work in approved health care or independent transcription service work sites for a total of 80 hours. The teacher-coordinator and the on-the-job supervisor will work together to evaluate student trainees to help them upgrade skills and strengthen weaknesses.

BUS 255 Customer Service

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Customer service is the foundation on which business success and profitability is built. This course is about understanding the importance of offering quality service and ensuring customer satisfaction in today's competitive

marketplace. Students will learn the principles of customer service and what skills are necessary to work with customers and solve problems in all sectors: corporate, government, industry, real estate, retail, legal, wholesale, healthcare, etc.

BUS 261 MRT Transcription

3 Hours

Prerequisites: BUS 116, BUS 215, concurrent enrollment BUS 216

6 hours weekly (0-6)

Development of skills in interpreting, editing, and transcribing physician and professional dictation into well-organized reports using medical terminology, effective language, and reference skills. Actual case histories of patients are transcribed using transcription equipment. Accuracy is placed on the transcription equipment with increasingly higher standards required as the students progress through case studies and other medical material.

BUS 270 Medical Office Procedures

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to prepare the student to perform basic office procedures and follow common practices in today's medical community. Administrative medical office duties covered include mailing procedures, patient reception, telephone communications, travel and meeting arrangements, patient scheduling, patient chart preparation, patient billing, insurance billing, office management, and practice finances. Hands-on application will be provided using a popular practice management software program.

BUS 280 Computer Applications for the Medical Office

3 Hours

Prerequisites: BUS 116 and CIS 101

4 hours weekly (2-2)

This course is designed to prepare the student to use electronic health records (EHR) in today's medical community. First, conceptual theory is presented including history and EHR standards. Then, the student applies theoretical knowledge through in-depth and practical training using a popular EHR software program to equip the student to successfully enter a medical setting with a comprehensive working experience of EHR.

BUS 282 Legal Terminology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to familiarize students with the various fields of law and to develop a working knowledge of the legal terminology commonly associated with each respective field.

BUS 284 ICD-10-CM Coding

3 Hours

Prerequisites: BUS 215 and BUS 216 (or concurrent enrollment in BUS 216) or consent of department chair

3 hours weekly (3-0)

This course is designed to help the inexperienced coder have a better understanding of how to apply coding concepts when choosing an ICD-10-CM code. It will also provide a "refresher" for the working coder. Coding Conventions, General Coding Guidelines, and Chapter Specific Guidelines will be covered.

BUS 285 CPT™/HCPCS Coding

3 Hours

Prerequisites: BUS 215 and BUS 216 (or concurrent enrollment in BUS 216) or consent of department chair and BUS 284 (ICD-9-CM)

3 hours weekly (3-0)

This course is designed to help the inexperienced coder have a better understanding of how to apply coding concepts when choosing CPT™ and HCPCS codes. It will also provide a "refresher" for the working coder. Coding Conventions, General Coding Guidelines, and Chapter Specific Guidelines will be covered.

BUS 286 Electronic Health Records Internship

2 Hours

Prerequisites: Minimum grade of C in all health business related courses and consent of instructor.

10 hours weekly (0-10)

An internship to give students supervised on-the-job work experience in a health care environment where electronic health care records are used. Students will work at an approved health care or related work site for a total of 160 hours. The teacher-coordinator and the on-the-job supervisor will work together to evaluate student interns to help them upgrade skills and strengthen weaknesses.

Chemistry (CHM)

CHM 141 General, Organic, and Biochemistry I

IAI – P1 902L

4 Hours

Prerequisites: Two years of high school algebra or MAT 062

6 hours weekly (3-3)

A first semester course of general, organic, and biochemistry sequence designed to meet the needs of students of nursing, dental hygiene, physical therapy, allied health programs, forestry, nutrition, and other majors with comparable requirements. This course covers matter, electrons and chemical bonds, formulas and equations, stoichiometry, gases, solutions, energies, acid-base reactions, radioactivity, and introduction to organic chemistry.

CHM 142 General, Organic, and Biochemistry II

4 Hours

Prerequisites: CHM 141

6 hours weekly (3-3)

Second semester course of general, organic, and biochemistry sequence designed to meet the needs of students of nursing, dental hygiene, physical therapy, allied health programs, forestry, nutrition, and other majors with comparable requirements. This course covers organic compounds and their characteristics, and biological compounds and their role in living organisms.

CHM 151 Chemical Principles

IAI – P1 902L, IAI – CHM 911

5 Hours

Prerequisites: MAT 111 or concurrent enrollment or instructor approval

7 hours weekly (3-4)

A study of the fundamental laws and concepts of chemistry, including formulas, nomenclature, atomic structure, bonding, the periodic chart, equations, stoichiometry, gas laws, and liquids and solids. Laboratory experiments investigate these concepts. A first semester course for students majoring in scientific, pre-professional, engineering, or technological programs.

CHM 152 Chemical Principles with Qualitative Analysis

IAI – CHM 912

5 Hours

Prerequisites: CHM 151

7 hours weekly (3-4)

A study of theory and calculations of chemical equilibrium, ionization, solubility products, redox reactions, acids and bases, and the methods and tools of analysis. The laboratory work consists of qualitative identification of common cations, and gravimetric and volumetric quantitative determinations. Second semester chemistry for science, engineering, and pre-professional majors.

CHM 201 Organic Chemistry I

IAI – CHM 913

5 Hours

Prerequisites: CHM 151

7 hours weekly (3-4)

A course in general organic chemistry intended for chemistry majors and minors and pre-professional students, this examines descriptive and theoretical organic chemistry. Topics discussed include bonding within carbon compounds, stereo-chemistry, reaction mechanisms, and organic reactions involving specific classes of compounds. In the laboratory, students will learn and utilize microscale organic techniques that are integrated with separations using GC and HPLC and with characterizations using IR and UV-Vis spectroscopy. This course is currently offered only in the fall semester.

CHM 202 Organic Chemistry II

IAI – CHM 914

5 Hours

Prerequisites: CHM 201

7 hours weekly (3-4)

This course continues the discussions of CHM 201 topics. Additional classes of organic compounds are studied for physical properties, reactions, mechanisms, and practical uses. Characterization theory is expanded with nuclear magnetic resonance (NMR) theory and mass spectrometry (M.S.). The chemistry of conjugated dienes, benzene, alcohols, aldehydes, ketones, carbohydrates, amines, and amino acids will be studied. The laboratory will expand on established microscale technique with the use of I.R., chromatography and NMR computer simulations. Communication and report writing skills will also be emphasized.

This course is currently only offered in the spring semester.

Computer Information Systems (CIS)

CIS 101 Introduction to Computers

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course provides an overview of the computing field and its typical applications. Key terminology and components of computer hardware, application software, and system software (including operating systems) are covered along with the development and management of information systems. Other topics include computer career opportunities, various networks (including the Internet), and World Wide Web technologies. This course also provides students with training in the use of business productivity software, including word processing, spreadsheet, and multimedia presentation along with web browser and web application software.

CIS 104 Spreadsheet Design

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide the business student with skills and knowledge necessary to design and implement practical spreadsheet models using Microsoft Excel software. Students will use basic business mathematics skills to design problem-solving models that can be used in the analysis of data. This course will help the student prepare to take the Microsoft Certified Application Specialist Exam.

CIS 105 Current Operating Systems/Security

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is intended for beginners and intermediate end users who want to increase their understanding of computer and information security issues and practices, as well as explore the basics of a current operating system.

CIS 108 Introductory Security Awareness

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is intended for beginners and intermediate users who want to increase their understanding of information security issues and practices. It is intended for end users who use computers at home or in the office. The course covers all of the need-to-know information about staying secure, including maintaining a secure environment and how to avoid security attacks.

CIS 110 Introduction to Word Processing

2 Hours

Prerequisites: None

3 hours weekly (1-2)

This course is designed to provide the student with skills to become effective and efficient in using a popular word processing software. The student will incorporate critical thinking skills along with problem-solving techniques to master this software package. This course is designed for students who would like to master a word processing package and cover many Microsoft Certification exam topics.

CIS 120 Data Base Management

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide the student with fundamental database concepts. The student will be able to create and maintain tables, forms, queries, and reports. Skills will go beyond that of utilizing the wizards. Customized forms and reports will be developed. Interacting with the Web, setting table relationships, and data integration with other applications will be covered. Many of the Microsoft Certification exam topics will be covered.

CIS 130 Introductory Operating Systems

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course provides an overview of the Microsoft Windows operating system. The course will explore the basics of Microsoft Windows, file organization, and personalization of the Windows environment. The student will learn how to set-up, maintain, manage and use E-mail accounts. Through hands-on practice, the student will work with security settings to protect their computer and network. The student will perform hands-on troubleshooting and set-up of their Internet connections. Additional topics will include: searching and collaboration, using mobile devices and remote connections, managing multimedia files, maintaining hardware and software, and improving computer performance.

CIS 170 Cisco I

5 Hours

Prerequisites: None

7 hours weekly (3-4)

The CCENT Certification validates the skills required for entry-level network support positions, the starting point for many successful careers in networking. CCENT certified professionals have the knowledge and skill to install, operate, and troubleshoot a small enterprise branch network, including basic network security.

CIS 200 Network Essentials

3 Hours

Prerequisites: None

3 hours weekly (2-2)

This course will provide the student with a general background in networking concepts, procedures and skills necessary in a computer network environment. This course is designed to familiarize the student with an overview of network topologies, physical network architecture, various networking operating systems and a brief introduction into Microsoft Active Directory. This class will also provide the student with necessary skills in troubleshooting and help desk topics necessary for the network's technician and software specialist.

CIS 206 Managing Network Environments I

3 Hours

Prerequisites: CIS 200 or concurrent enrollment

4 hours weekly (2-2)

This course is designed to give the student knowledge and practical experience in administering a Microsoft Server network. Students will be able to describe the principle features of a network operating system and the

networking basics of active directory. Students will gain an understanding of the basic components of an information technology system. The student will work with and troubleshoot in the areas of installation of the network operating system, setting up users and groups, assignment of group policy and permissions of a network. This course will assist the student in preparing for an industry-recognized certification exam.

CIS 207 Computer Applications

IAI – AG 913, IAI – BUS 902

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide students with the skills and knowledge necessary to function in a highly automated business environment. The Windows operating system will serve as the framework for developing skills in file management and organization, the use of Internet access, and the application of business computer software including word processing, database management, spreadsheet design, and presentation graphics software.

CIS 208 Security Awareness

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to provide a security awareness overview and emphasize the importance of information systems as well as the home computer system will be covered. Issues will include personal, Internet, and organizational security. Types of security attacks will be discussed, prevention methods will be determined, and recovery plans will be developed. Policies and procedures that will

assist in preventing an invasion of privacy will be covered.

CIS 209 Introduction to Cybercrimes

3 Hours

Prerequisites: Must be 18 years of age or older.

3 hours weekly (3-0)

This course will introduce students to the investigation of computer-based crimes and the importance of preserving and correctly interpreting digital evidence. The course material will review computer crimes and associated terminology and the types of crimes committed in cyberspace. The student will also research and use data collection tools, learn proper collection and preservation of digital evidence, study domestic and international legal issues in cyberspace, and document and report data acquisition findings.

CIS 210 Presentation Graphics

2 Hours

Prerequisites: None

3 hours weekly (1-2)

This course is designed to provide the student with skills and concepts to create custom presentations using Microsoft PowerPoint. Students will learn to create presentations, add multimedia effects to presentations, publish presentations on the World Wide Web, and set up and schedule online broadcasts. This course will help the student prepare to take the Microsoft Certified Application Specialist Exam.

CIS 213 Penetration Testing

3 Hours

Prerequisites: CIS 208

4 hours weekly (2-2)

This course teaches students the underlying principles and many of the techniques associated with the cybersecurity practice known as penetration testing. Students will learn about the entire penetration testing process including planning, reconnaissance, scanning, exploitation, post-exploitation, and result reporting. The course will provide the fundamental information associated with each of the methods employed and insecurities identified. In all cases, remedial techniques will be explored. Students will develop an excellent understanding of current cybersecurity issues and ways that user, administrator, and programmer errors can lead to exploitable insecurities.

CIS 216 Cloud Technology

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Guide to Supporting Microsoft Private Clouds instructs future network administrators how to effectively implement and maintain Microsoft® private clouds with a balance of conceptual expertise and hands-on skills. Ideal for your server administration course, this text prepares students to work with large providers, such as Amazon, Microsoft®, and Google, as well as implement smaller scale cloud computing solutions within their own network environments.

CIS 219 Ethical Hacking

3 Hours

Prerequisites: CIS 209 with a grade of “C” or higher

4 hours weekly (2-2)

This course provides an in-depth understanding of how to effectively protect computer networks. Students will learn the tools and penetration testing methodologies used by ethical hackers. In addition, the course provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber-attacks. Students will learn updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. Also covered is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking.

CIS 220 Advanced Spreadsheet Design

3 Hours

Prerequisites: CIS 104

4 hours weekly (2-2)

This course is a continuation of CIS 104 and builds upon basic design skills. It provides the student with an opportunity to develop advanced techniques in the design of business applications. Advanced study of special mathematics, logical, and database statistical functions will provide the foundation for advanced program design. Problem solving for managerial and accounting decision making is emphasized, and design techniques incorporating the use of macros, menu layout, and data transfer are included using Microsoft Excel. This course will help the student prepare

to take the Microsoft Certified Application Specialist Exam.

CIS 225 Advanced Data Base Management

3 Hours

Prerequisites: CIS 120

4 hours weekly (2-2)

This course is a continuation of CIS 120. The concepts needed to develop and maintain a database system at an advanced level will be emphasized. Items that will be covered are: advanced query manipulation, table linking, macro programming, planning and creating a switchboard application as well as applying custom toolbars. Business simulated projects will be a major part of the curriculum. Upon completion of this course, the student should be prepared to take the Microsoft Certification exam.

CIS 229 Digital Forensics

3 Hours

Prerequisites: CIS 209 with a grade of "C" or higher

4 hours weekly (2-2)

Provides an introduction to Digital Forensics from a theoretical and practical perspective and an introduction to investigative tools and techniques used in the field. Personal computer operating system architectures and disk structures are reviewed and the proper use of available computer forensic hardware and software tools are examined. Other topics include the importance of digital evidence controls, the method of processing crime and incident scenes, the details of data acquisition, and the requirements of an expert witness. The course provides a range of laboratory and hands-on activities and assignments that emphasize both the theory and the practical application of computer forensic investigations.

CIS 230 Operating Systems

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Students will learn important concepts about operating systems while applying skills and knowledge to support computers in a business environment or an IT position. Students will also learn the theory and technical information professionals need as they work with today's popular operating systems, such as Windows, iOS, and UNIX/Linux platforms. Topics include operating system theory, installation, upgrading, configuring, (operating system and hardware), file systems, security, hardware options, and storage, as well as resource sharing, network connectivity, maintenance, and troubleshooting. This course prepares students to understand the fundamental concepts of today's computer operating systems.

CIS 231 Firewalls and VPNs

3 Hours

Prerequisites: CIS 230 with a grade of "C" or higher

4 hours weekly (2-2)

This course examines the major network security tools in use today, with the idea that firewalls are most effective when backed by thoughtful security planning, well-designed security policies, and integrated support from anti-virus software, intrusion detection systems, and related tools. Coverage includes packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks (VPNs), log file maintenance, and intrusion detection systems. The course will provide numerous realistic projects and cases incorporating cutting-edge technology and

current trends, giving students the opportunity to hone and apply the knowledge and skills they will need as working professionals. Students will also learn about relevant National Institute Standards and Technology guidelines that are used by businesses and information technology professionals.

CIS 240 Web Page Design

IAI – MC 923

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to give the student the knowledge needed to develop and maintain a basic web site, discuss the importance of web ethics and legal issues, understand and modify HTML code, link web pages, format and enhance a web site, embed multi-media files, utilize tables and AP elements for page layout, create various navigation structures, incorporate cascading style sheets, create a form, utilize behaviors and publish a web site.

CIS 245 Advanced Web Design

3 Hours

Prerequisites: CIS 240 or consent of instructor

4 hours weekly (2-2)

This course is designed to provide the student with the advanced skills used by popular web design software. The student will create custom web pages implementing the following: behaviors, layers, forms, and templates, Cascading Style Sheets, HTML code, Spry, and Ajax. The student will learn how to create a standard compliant website using PHP server behaviors, how to store records in a database and deploy the website. Rich media items will be implemented using other design software

and search engine optimizing techniques will be explored.

CIS 270 Cisco II

4 Hours

Prerequisites: CIS 170 with a grade of "C" or higher

4 hours weekly (3-2)

The CCNA R&S certification validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks. CCNA certified professionals have the knowledge and skills to make connections to remote sites via a WAN, and mitigate basic security threats. CCNA R&S training covers (but is not limited to) the use of these topics: IOS, IPv6, IPv4, OSPF, Cisco Licensing, Enhanced Interior Gateway Routing Protocol (EIGRP), Serial Line Interfaces, Frame Relay interfaces VLANs, Ethernet, VLSM, and basic traffic filtering.

Construction Management Technology (CMG)

CMG 100 Construction Orientation

1 Hour

Prerequisites: None

1 hour weekly (1-0)

Construction Orientation is designed to introduce the student to the many career opportunities in the construction industry. The course allows the student the opportunity to ask questions about the industry as a whole. The course also refines construction math skills to help facilitate the other construction management courses.

CMG 101 Building Green

3 Hours

Prerequisites: For students not pursuing a Construction Management major.

3 hours weekly (3-0)

This course is an introduction to new emerging building systems for residential construction. A major focus of this course will be the introduction of green building products and ways to be more energy efficient. That national green building standard will be used as the guidelines for this course.

CMG 104 Building Layout

4 Hours

Prerequisites: None

6 hours weekly (2-4)

The student will perform basic surveying operations necessary for the location, layout, and construction of a building. Techniques will include taping, differential leveling, laying off vertical and horizontal angles, topographic surveys, and construction control surveys.

CMG 105 Estimating Techniques

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to familiarize the student with construction cost estimating. The five (5) basic elements involved in the estimating process will be covered. These five elements are: (1) working drawings and specifications; (2) subcontractor's bids; (3) quantity take-offs; (4) checklists; and (5) a summary cost estimate. A major emphasis will be placed on accurate quantity takeoffs.

CMG 107 Construction Document Interpretation

3 Hours

Prerequisites: None

4 hours weekly (2-2)

The purpose of this course is to introduce the student to the various conceptual documents used in the construction process. The primary focus will concentrate on interpretation and visualization of construction blueprints and understanding the use of construction specifications. Residential and commercial projects will be covered.

CMG 108 Construction Materials

4 Hours

Prerequisites: None

6 hours weekly (2-4)

The student will learn about soil properties and how they play a major role in building design and site work. Students will also obtain knowledge of concrete, its physical and mechanical properties, and the design and control of concrete mixes. In the laboratory portion of the class, students will learn the

fundamentals of placing, finishing, and testing for quality control.

CMG 109 Residential Construction Materials

3 Hours

Prerequisites: None

4 hours weekly (2-2)

In this course, the student will learn the basic principles and practices used by the residential construction industry when utilizing soil, concrete, and masonry. The student will also acquire the necessary knowledge needed to make sound decisions when dealing with the physical and mechanical properties of these materials. The laboratory portion of the class will give the student an opportunity to get hands on experience and learn the fundamentals of quality control on the jobsite.

CMG 110 Wood Frame Construction

4 Hours

Prerequisites: None

5 hours weekly (3-2)

This course will introduce the student to the basic processes, terminology, procedures, and building components of wood frame construction. With this basic understanding of construction concepts, the student can build a foundation for a career in the construction industry. The course facilitates classroom learning with actual field applications.

CMG 111 Exterior and Interior Finish Systems

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is a continuation from the wood framing construction course, designed so the student can synthesis a complete residential

building. Special emphasis will be directed at the materials and application of these materials to complete the exterior and interior of the building.

CMG 204 Residential Mechanical Systems

3 Hours

Prerequisites: Students must be second year Construction Management majors.

3 hours weekly (3-0)

The purpose of this course is to introduce the student to the basic principles and operation of residential building mechanical systems. The course will provide the student with detailed information on HVAC, plumbing, electrical, safety, and security systems used in residential construction.

CMG 205 Construction Management & Supervision

2 Hours

Prerequisites: Students must be second year Construction Management majors.

2 hours weekly (2-0)

This course is designed to lead the student through the day to day activities of the project supervisor from project startup to final completion. Special emphasis will be placed on working relationships with trade contractors and homeowners.

CMG 207 Construction Management

3 Hours

Prerequisites: CMG 105 and CMG 107

3 hours weekly (3-0)

This course is designed to help the student understand the concepts involved with the management and ownership in the construction process. The focus of this course will cover pre-

construction through final completion, viewed from the constructor's perspective.

CMG 208 Processes in Estimating

3 Hours

Prerequisites: CMG 105 or consent of instructor

3 hours weekly (3-0)

The course builds upon CMG 105, Estimating Techniques, and will introduce more advanced methods of cost estimating. From a set of blueprints the students will apply man hours, labor costs, and material costs to quantity takeoffs. In a portion of this course the students will learn to utilize Timberline Corporation's Precision Estimating software package. Students will learn how to interpret data generated and how to modify the computer program to meet their estimating needs.

CMG 209 Environmental Systems

3 Hours

Prerequisites: CMG 105 and CMG 107

3 hours weekly (3-0)

This course is designed to introduce the student to the basic terminology and principles of electrical, plumbing, and air conditioning systems. The student will also gain an understanding of the importance of the respective design engineers in the building process.

CMG 210 Building Renovations

3 Hours

Prerequisites: CMG 110

4 hours weekly (2-2)

Students will acquire knowledge of the techniques and technologies necessary to

remodel, repair, or renovate existing residential and commercial buildings. The student will study the design and construction techniques required to convert unused areas into additional living space, make additions to existing structures, upgrade mechanical and electrical systems to meet building codes and repair, renovate, and maintain older buildings.

CMG 211 Commercial Construction

3 Hours

Prerequisites: CMG 108 or consent of instructor.

3 hours weekly (3-0)

The course will acquaint the student with the latest methods, materials, and equipment used within the industry and will familiarize the student with concepts of the construction industry that have stood the test of time. Traditional materials such as reinforced concrete, masonry, steel, and timber will be thoroughly examined in conjunction with recent developments in the construction industry.

CMG 212 Construction Administration

2 Hours

Prerequisites: CMG 105 and CMG 107

2 hours weekly (2-0)

The student will be introduced to processes and methods of administrative responsibilities, which will help in producing a quality construction project.

CMG 215 Green Building in the 21st Century

3 Hours

Prerequisites: Students must be second year Construction Management majors.

3 hours weekly (3-0)

This course provides an overview of new emerging building systems for single, multi-family and remodeling to meet the national green building standard. The course will also focus on energy efficiency and discuss the impact that construction has on the environment.

CMG 217 Building Codes and Standards

2 Hours

Prerequisites: Students must be second year Construction Management majors.

2 hours weekly (2-0)

This course will illustrate to the student how building codes and standards stipulate design and construction of buildings. A building code is defined as a set of rules of procedure and standards of materials designed to secure uniformity and protect the public interest in such matters as building construction and public health, established usually by a public agency and commonly having the force of law in a particular jurisdiction.

CMG 218 CAD for Residential Construction

3 Hours

Prerequisites: Students must be second year Construction Management majors.

4 hours weekly (2-2)

This course will introduce the construction student on how to design and draw plans for residential construction. The student will utilize software to design a complete set of building plans. The course will focus on construction

phases from site design to the completed exterior finishes and landscaping.

CMG 220 Construction Scheduling

3 Hours

Prerequisites: CMG 105 and CMG 107

3 hours weekly (3-0)

This course is an introduction to modern construction scheduling methods and techniques. The application of various scheduling methods will provide an understanding of the importance that time phasing and coordination have on completing a construction project in a timely manner.

CMG 221 Land Development

3 Hours

Prerequisites: Students must be second year Construction Management majors.

4 hours weekly (2-2)

This course will present the social and economic needs, and the legal regulations involved when developing a parcel of land into a housing community. The student will design and calculate the infrastructure to meet the mandated code requirements.

CMG 222 Business Management for Home Builder

3 Hours

Prerequisites: Students must be second year Construction Management majors.

3 hours weekly (3-0)

The purpose of this course is to provide the student with information to use in managing a home building business. The course will focus on how to start up your business and develop and implement policies and procedures to ensure profitability in the home building industry.

CMG 226 Statics for Structures

3 Hours

3 hours weekly (3-0)

Prerequisites: None

Students will learn fundamental principles of mechanics as they use tables and formulas in the determination of loads and the selection of wooden members and steel connectors which will safely carry these loads on floor and roof systems.

Cosmetology (COS)

COS 101 Cosmetology Theory I

6 Hours

Prerequisites: None

6 hours weekly (6-0)

This course is a study of professional ethics, personal hygiene and grooming, visual poise, and personality development for application in our daily relationships with others. The study of bacteriology, decontamination, and infection control for application of safe and necessary disinfection methods is emphasized. Also included is the study of hair, skin, and their disorders for use in chemical and physical applications. The basic introduction of anatomy and physiology to be applied in specific skill areas will also be emphasized.

COS 102 Cosmetology Theory II

5 Hours

Prerequisites: COS 101

5 hours weekly (5-0)

The cosmetology program is designed to give students thorough training in the arts, skills, and applied science that deals with the adornment of the hair, skin, and nails. This course is designed to provide the students with a study of basic principles of salon management, nail disorders, preparing a resume, and provide the students with a study of basic principles of electricity and light therapy as applied to beauty science, Illinois law, and chemistry as applied to cosmetics.

COS 111 Cosmetology Lab I

11 Hours

Prerequisites: None

33 hours weekly (0-33)

This course includes demonstrations and lectures by instructors with student participation and application of beauty services which include fingerwaving, hairstyling, application of permanent waving, hair coloring, superfluous hair removal, basic make-up application, and demonstrates how to achieve basic skill areas in shampooing, draping, brushing, thermal waving, blow drying, and hair shaping. Students will exchange beauty services on each other and will perform beauty skills on patrons in the clinic laboratory. Each student is responsible for sanitation duties to be performed in the clinic as required by the Department of Professional Regulation, State of Illinois.

COS 112 Cosmetology Lab II

11 Hours

Prerequisites: COS 111

33 hours weekly (0-33)

This course is a continuation of hairstyling, chemistry and application of permanent waving, chemical hair relaxing and hair transformations and includes review and practice of skill areas taught in Cosmetology III with demonstration and lectures by instructors. Students will participate and demonstrate skills learned through performance by exchanging services on each other and patrons in the clinical laboratory. Each student is responsible for sanitation duties to be practiced in the clinic laboratory as required by the Department of Professional Regulation, State of Illinois.

COS 113 Cosmetology Lab III

3 Hours

Prerequisites: COS 101, 111

9 hours weekly (0-9)

This course is a review and practice of skill areas taught in previous courses through demonstrations and lectures taught by an instructor. Students will practice skills on each other, mannequins, and clients during laboratory time. Each student is responsible for sanitation duties to be practiced in the laboratory as required by the Department of Professional Regulation, State of Illinois.

COS 114 Cosmetology Internship Program

2 Hours

Prerequisites: COS 101, 111, 750 clock hrs.

10 hours weekly (0-10)

This course is designed to be an extended salon experience, a supplemental, off-campus, on-the-job experience for qualified students.

COS 250 Instructional Strategies

5 Hours

Prerequisites: Valid Illinois Cosmetology License with two years experience within last five years.

11 hours weekly (2-9)

This course is designed to teach the students various methods of instruction. Teachers should possess an array of teaching strategies in order to meet the widely varying learning styles, interests, and abilities of their students. By providing a variety of teaching methods that are suited to the goals of instruction and the needs of students, the cosmetology teacher will be highly productive and experience satisfaction in the teaching role.

This course will also provide guidelines and strategies for planning, implementing, and maintaining an effective behavior management system in the classroom. The foundation of any behavior management system consists of the behavioral expectations that set the standards for appropriate conduct in the classroom. These expectations are reflected in the teacher's rules, consequences, and procedures.

COS 251 Cosmetology Teacher Program

8 Hours

Prerequisites: Concurrent enrollment in Cosmetology 250. Must have a valid Illinois cosmetology license with a minimum of 2 years full-time work experience within the last 5 years. Letters from clients, managers, etc., verifying 2 years experience.

16 hours weekly (0-16)

This course is designed to give the student information in practical and theoretical applications used in the classroom and laboratory, which are taught in COS 250, Instructional Strategies. Upon completion of the 256 clock hours, students can make application to the State Board of Cosmetology, Department of Professional Regulations for examination for Cosmetology Teachers License.

COS 260 Cosmetology Review

8 Hours

Prerequisites: Lapsed Cosmetology License

16 hours weekly (0-16)

This course is designed as a refresher course for cosmetologists who need to renew their license or simply update their skills. This program is a compilation of topics covering the pertinent objectives necessary for the learner to accomplish in order to enter the work force.

Computer Science (CPS)

CPS 111 Introduction to Technology for Educators

3 Hours

Prerequisites: Students must have basic skill in word processing, spreadsheet, and database programs; or consent of instructor. A high school course which introduces this software or completion of CPS 102, or CIS 101, or CIS 207 or equivalent will satisfy this prerequisite.

4 hours weekly (2-2)

This course is an introductory/intermediate technology, digital media, and Web applications course for educators and education majors. It will introduce participants to current trends in technology integration in K-12 classrooms and include hands-on activities that will develop performance skills in technologies used in the classroom. Topics will include: • use of various hardware devices such as interactive whiteboards, student response systems, projector systems and computers • use of computer software applications to produce digital documents, spreadsheets, multi-media presentations, and recordings, both audio and video • use of Web 2.0, “cloud” applications for research, social networking, website construction, wiki collaboration, and multi-media storage and distribution • exploration and discussion of current issues surrounding technology integration. Both the Illinois State Board of Education Technology Standards for All Teachers and the International Society for Technology in Education (ISTE) standards for teachers (NETS-T) and students (NETS-S) are integrated throughout the course curriculum.

CPS 176 Introduction to Computer Programming

4 Hours

Prerequisites: MAT 062 or equivalent

5 hours weekly (3-2)

This course provides an initial exposure to computers and programming, fostering competence in a high-level language via hands-on experience. This course serves as a prerequisite for more intensive study of other high-level languages and lays the groundwork for understanding problem-solving and common programming language constructs. Students will be introduced to structured programming methodologies, syntax and semantics of a popular, high-level programming language, algorithm development, and good programming style guidelines. Students will be expected to complete a variety of programming lab assignments both during scheduled lab times and outside of class. This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

CPS 202 Discrete Structures (Also MAT 125)

IAI – CS 915, IAI – MI 905

3 Hours

Prerequisites: MAT 108 or MAT 111 either with a grade of “C” or higher or assessment

3 hours weekly (3-0)

This course is a general education mathematics course which fulfills 3 hours of the core curriculum mathematics requirement. It will lay the groundwork for students interested in computer arithmetic, sets, relations and functions, logic, Boolean algebra, elementary matrix operations, combinations, permutations, and counting techniques, and basic concepts of

probability. **This course is ordinarily offered in the fall semester in odd numbered years.**

CPS 206 Computer Science I

IAI – CS 911

4 Hours

Prerequisites: CPS 176 Introduction to Computer Programming with a grade of “C” or higher or consent of instructor and MAT 111 Pre-Calculus

5 hours weekly (3-2)

The first in a sequence of courses for majors in Computer Science, Mathematics, and Engineering. Introduces a disciplined approach to problem-solving and algorithm development in addition to an introduction to procedural and data abstraction. Covers: selection, repetition, and sequence control structures; program design, testing, and documentation using good programming style; block-structured high-level programming languages; and arrays, records, and files utilizing a popular, high-level programming language.

CPS 208 Assembly Language Programming

3 Hours

Prerequisites: CPS 204 or 206 or consent of instructor

3 hours weekly (3-0)

An introduction to the logical basis and basic computer organization of a particular system through the treatment of assembly language. Topics studied include: machine representation of numbers and characters, basic assembly language syntax, machine operations, addressing techniques, as well as machine-level input/output programming.

CPS 215 Computer Science II

IAI – CS 912

4 Hours

Prerequisites: CPS 206 with a grade of “C” or higher or consent of instructor

5 hours weekly (3-2)

The second in a sequence of courses for majors in Computer Science. Covers: design and implementation of large-scale problems; abstract data types; data structures (files, sets, pointers, lists, stacks, queues, trees, graphs; program verification and complexity; recursion; dynamic concepts (memory, scope, block structures); text processing; and an introduction to searching and sorting algorithms utilizing a popular, high-level programming language. **This course is offered in the fall semester only.**

Criminal Justice (CRJ)

CRJ 103 Introduction to Criminal Justice

IAI – CRJ 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A review of historical and ideological foundations of the criminal justice system; delineation of major patterns of practice and organizational structure; specific focus on and description of the primary components of the criminal justice system and their relationships.

CRJ 105 Criminal Behavior

IAI – CRJ 912

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introduction to criminological theories and their application to the nature and causes of crime; utilization of theory in the analysis of and attempts to control crime; explanation of the multi-disciplinary aspects of criminology; discussion of interconnected relationship between the criminal justice system, offender, and the victim.

CRJ 115 Policing

3 Hours

Prerequisites: CRJ 103 and 105

3 hours weekly (3-0)

This course examines the law enforcement component of the criminal justice system. The historical and contemporary perspective of policing in America is explored. Various issues such as organization, role, recruitment, patrol, discretion, police-community relations, police

accountability, and international comparisons are studied. Upon completion of this course, the student will have an understanding of the internal and societal challenges that confront police on a daily basis.

CRJ 201 Criminal Justice Internship

4 Hours

Prerequisites: Consent of the Dean for Career and Technical Education

20 hours weekly (0-20)

An optional internship to give the students supervised on-the-job work experience and exposure to various operations of a criminal justice agency. Students will work in approved work sites in criminal justice agencies for a total of 320 hours. The teacher-coordinator and the on-the-job supervisor will work together to evaluate student trainees in order to help them upgrade skills and strengthen weaknesses. An overall GPA of 2.85 with a 3.0 or better in core courses is required.

CRJ 203 Introduction to Security

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will introduce the student to public and private security issues. Emphasis will be placed on history of public and private security agencies, proprietary and contractual organizations of security, security planning, asset protection and loss prevention, physical security and design.

CRJ 205 Survey of Crime Detection Methods

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course enables the student to examine the major theories and techniques of criminal investigation. Upon completion of this course, the student will have an understanding of the techniques of criminal investigation and will have learned some of the skills of investigation. He or she will also have learned the value and techniques of preserving evidence and how the chain of evidence is vital to a successful prosecution.

CRJ 209 Criminal Law

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course covers the substantive criminal law encompassed in the criminal code and the constitutional limits on criminal law. Upon completion of the course, the student will be familiar with the key provisions of the criminal code, including elements of the offenses, parties to crimes, and defenses to criminal liability.

CRJ 210 Introduction to Forensic Investigation

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is an orientation course dealing with the application of several scientific methods of criminal investigation of crime scenes. Topics discussed will include polygraph, firearms, and tool mark identification, hair and fiber examination, drug analysis, serial numbers restoration, crime scene investigation, and the

investigator’s role in the post-mortem examination.

CRJ 218 Introduction to Corrections

IAI – CRJ 911

3 Hours

Prerequisites: CRJ 103 and 105

3 hours weekly (3-0)

An examination of the United States correctional system to include; county jails, juvenile facilities, state and federal prison systems. Emphasis will be placed on administration and operational models in both the community and institutional environment, history and evolution of corrections, correctional institution designs, constitutional law considerations, and punishment philosophies.

CRJ 219 Criminal Procedure

3 Hours

Prerequisites: CRJ 209

3 hours weekly (3-0)

This course will examine the due process functions of the criminal law. Upon completion of the course, the student will have an understanding of the law and constitutional considerations concerning probable cause, arrest, search and seizure, stop and frisk, confessions and admissions, and legal evidence. Recent Supreme Court decisions affecting these areas will be covered.

CRJ 220 Probation, Parole, and Community-Based Corrections

3 Hours

Prerequisites: CRJ 103 and 105

3 hours weekly (3-0)

This course will examine alternatives to incarceration and include the history and philosophical foundations of such programs. Special emphasis will be given to probation and parole systems, models of community-based corrections such as group homes, work release programs, and half-way houses. Treatment and rehabilitation methods will also be covered.

CRJ 221 Police Administration

3 Hours

Prerequisites: CRJ 103 and 105

3 hours weekly (3-0)

This course will introduce the student to modern principles of organization and management. The course will provide background in organizational theory, behavior, and administration. Emphasis will be placed on objectives of police operations and future trends in police administration.

CRJ 222 Natural Resource Law Enforcement

3 Hours

Prerequisites: CRJ 103 and 105

3 hours weekly (3-0)

This course is to introduce the criminal justice student to the basic principles of conservation as related to the criminal justice system; protection of natural resources; the legal and administrative considerations affecting conservation areas; legal, administrative, and social factors of the criminal justice system; and the need and basis for trained and qualified personnel.

CRJ 223 Juvenile Justice

IAI – CRJ 914

3 Hours

Prerequisites: CRJ 103 and 105

3 hours weekly (3-0)

This course is a general overview of the juvenile justice system in the United States, with a concentration on the methods available for dealing with juvenile victims and offenders in the State of Illinois. The course includes historical and contemporary perspectives on the justice system's handling of minors as well as definitions of the different categories of juvenile court cases, techniques for treating juvenile victims and offenders, types of foster care and residential treatment facilities available for minors, and types of community-based programs that deal with juvenile offenders. A major portion of the course will deal with delinquency issues, including informal and formal supervision, detention, institutionalization, gangs, and alcohol/drug use by minors.

CRJ 224 H Terrorism and Homeland Security

3 Hours

Prerequisites: CRJ 103, 105, 115, 203, 205, 209 and consent of instructor.

3 hours weekly (3-0)

This course will examine the concept of terrorism, domestic and international terrorism, and the role of Homeland Security. Students will critically examine, analyze, and discuss law enforcement, security and the intelligence community and their efforts confronting terrorism and related disasters. This is an honor's course and consent of instructor is required.

Dental Hygiene (DHY)

DHY 200 Orientation and Pre-Clinic

6 Hours

Prerequisites: Acceptance into the Dental Hygiene A.A.S. Degree (DHY 0098)

10 hours weekly (2-8)

This course is designed to introduce the student to the methods and procedures employed during the oral prophylaxis appointment, including techniques for instrumentation, removing stains and deposits from tooth surfaces, instrument care, sterilization and disinfection, along with oral physiotherapy procedures. The course utilizes mannequins, demonstrations, and student practice.

DHY 201 Dental Nutrition

2 Hours

Prerequisites: Acceptance into the Dental Hygiene A.A.S. Degree (DHY 0098)

2 hours weekly (2-0)

This course is designed to introduce the science of nutrition and its applications on a personal, professional, and community level with emphasis on its application to dentistry. Students are introduced to the analysis of diets, to the evaluation and use of nutritional reference and educational materials, and to patient counseling skills.

DHY 202 Dental Pharmacology

2 Hours

Prerequisites: Successful completion of all summer semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

2 hours weekly (2-0)

This course is designed to familiarize students with the medications that patients may be

taking. Students learn specific drug actions, routes of administration, common dosages, precautions, contraindications, and side effects of pharmacological agents.

DHY 204 Periodontology

2 Hours

Prerequisites: Successful completion of all first-year, fall semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

2 hours weekly (2-0)

This course is designed to provide the dental hygiene student with an understanding of the anatomy and physiology of the tissue of the periodontium in both health and disease. This course will emphasize methods and procedures of patient treatment and management of the disease processes associated with periodontal disease.

DHY 206 Oral Pathology

2 Hours

Prerequisites: Successful completion of all first-year, fall semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

2 hours weekly (2-0)

This course acquaints the student with oral anomalies manifested by development, metabolic, and disease disturbances. Emphasis will be placed upon the clinical aspects of oral pathology along with the histological and morphological study of the diseased or anatomically altered oral structures.

DHY 207 Community Oral Health

2 Hours

Prerequisites: Successful completion of all summer semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

2 hours weekly (2-0)

This course presents concepts of health education and promotion, community dental health, and public health dentistry. Students gain background knowledge in assessment, planning, implementation, and evaluation of community oral health programs. Field experience in selected social settings permits student participation in community health care planning.

DHY 210 Dental Hygiene Seminar I

1.5 Hours

Prerequisites: Successful completion of all first-year, fall semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

1.5 hours weekly (1.5-0)

A continuation of DHY 200 with emphasis on discussion of ancillary procedures, i.e., drug investigation, significance of the oral examination, agents used to desensitize teeth, appointment sequencing, use of topical anesthetics, post-operative instructions, and the use of ultrasonic scaling devices, and air polishing.

DHY 211 Dental Hygiene Practice I

8 Hours

Prerequisites: Successful completion of all first-year, fall semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

16 hours weekly (0-16)

This course is designed to provide the student with experience in application of dental hygiene

techniques on a variety of patients within the clinical setting. Continued application of oral prophylaxis techniques, fluoride application, oral physiotherapy, periodontal patient management, desensitization, and appointment planning.

DHY 212 Dental Hygiene Seminar II

1 Hour

Prerequisites: Successful completion of all first-year, spring semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

1 hour weekly (1-0)

A continuation of DHY 210 with emphasis placed on the periodontally involved patient and treatment procedures for patients exhibiting special oral needs such as the oncology patient, the geriatric patient, the pedodontic patient, the mentally handicapped patient and the physical and sensory handicapped patients.

DHY 213 Dental Hygiene Practice II

4 Hours

Prerequisites: Successful completion of all first-year, spring semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

8 hours weekly (0-8)

This course is a continuation of DHY 211. The students will be provided opportunities to refine previously learned skills. Emphasis will be placed on root planing, topical medical application, preparation of study casts, placement of sealants, periodontal charting, and treatment of patients with special oral needs. Planned and supervised clinical experiences are arranged in the dental hygiene clinic and extra-mural rotations.

DHY 214 Dental Hygiene Seminar III

1.5 Hours

Prerequisites: Successful completion of all summer semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

1.5 hours weekly (1.5-0)

This course is designed to prepare the student for future employment and the responsibilities of the dental hygiene profession. Legal and ethical aspects of practice are emphasized as well as other responsibilities of the hygienist. The student is required to write a personal resume. Classroom discussion and role-playing focus on interviewing techniques and employment decision-making.

DHY 215 Dental Hygiene Practice III

6 Hours

Prerequisites: Successful completion of all summer semester courses listed in the Dental Hygiene A.A.S. Degree (DHY 0098)

12 hours weekly (0-12)

This course incorporates all previous clinical, (DHY 211 and DHY 213), didactic and laboratory information and skills, (DHY 200, DHY 201, DHY 210, DHY 212), for the delivery of dental hygiene care.

Diagnostic Medical Sonography (DMS)

DMS 104 Diagnostic Ultrasound Foundations

3 Hours

Prerequisites: Acceptance into Diagnostic Medical Sonography Program

3 hours weekly (3-0)

A study of clinical medicine pertinent to sonography including obtaining the clinical history and related clinical signs and symptoms from the patient chart or interview. Diagnostic testing pertinent to the ultrasound diagnosis and specialized medical terminology are discussed and defined. Medication terminology, classification and administration will be introduced. Ultrasound equipment, equipment controls, laboratory setup, and the beginning physical principles associated with diagnostic medical sonography are discussed. Quality control, medical ethics, legal issues, and ergonomics associated with diagnostic medical sonography are discussed and defined.

DMS 200 Medical Physics and Instrumentation

5 Hours

Prerequisites: DMS 104, DMS 202, DMS 204, and

DMS 206

5 hours weekly (5-0)

This course will cover ultrasound instrumentation and the physical principles of sound, ultrasound, and Doppler pertinent to sonography. Emphasis will be placed on propagation principles, transducer parameters, interactive properties of ultrasound with human tissues, and quality control procedures.

DMS 202 Cardiac Anatomy and Physiology

4 Hours

Prerequisites: Acceptance into Diagnostic Medical Sonography Program

4 hours weekly (4-0)

This course is a study of the cardiac and vascular anatomy and physiology in the normal and abnormal patient. The hemodynamics, pathology, and pathophysiology of the cardiac system are discussed and analyzed. The pathology, clinical signs and symptoms, diagnostic testing, and treatment of various cardiac diseases are discussed. This is an Internet course.

DMS 204 Cardiac Ultrasound Imaging/Lab I

6 Hours

Prerequisites: Acceptance into Diagnostic Medical Sonography Program

8 hours weekly (4-4)

This course will cover the basic terminology, anatomy, instrumentation, and physical principles necessary for the student to begin two-dimensional and M-mode ultrasound scanning of the normal heart. The laboratory component of Cardiac Ultrasound Imaging is designed for the student to practice applications of basic scanning techniques and protocols with emphasis on the normal heart.

DMS 206 Cardiac Ultrasound Clinic I

3 Hours

Prerequisites: Acceptance into Diagnostic Medical Sonography Program. The student must have and maintain a current CPR certificate, a negative two-step TB test (or negative chest x-ray) and health insurance.

9 hours weekly (0-9)

This course is a supervised clinical experience, which will cover basic cardiac scanning techniques and protocols with emphasis on observation of two-dimensional and M-mode scanning of the normal heart. This course is designed for the student to observe applications of the principles and concepts taught in Cardiac Ultrasound Imaging and observe a functioning ultrasound department.

DMS 224 Cardiac Ultrasound Imaging/Lab II

6 Hours

Prerequisites: DMS 104, DMS 202, DMS 204, DMS 206

8 hours weekly (4-4)

This course will cover the basic terminology, anatomy, instrumentation, and physical principles necessary for the student to begin color flow, cardiac Doppler, and two-dimensional and M-mode ultrasound scanning of the abnormal and normal heart. The laboratory component of Cardiac Ultrasound Imaging and Lab II will cover scanning techniques and protocols with emphasis on color flow, cardiac Doppler, and two-dimensional and M-mode ultrasound scanning of the abnormal heart. This course also provides the students the opportunity to practice scanning techniques and protocols. This course is taught with problem-based learning techniques.

DMS 226 Cardiac Ultrasound Clinic II

6 Hours

Prerequisites: DMS 104, DMS 202, DMS 204, DMS 206. The student must have and maintain a current CPR certificate, a negative two-step TB test (or negative chest x-ray) and health insurance.

18 hours weekly (0-18)

The clinical component of Cardiac Ultrasound Imaging II, this course is a supervised clinical experience which will cover cardiac scanning techniques and protocols with emphasis on color flow, cardiac Doppler, and two-dimensional and M-mode ultrasound scanning of the normal heart. This course is designed for the student to practice cardiac ultrasound techniques and observe a functioning ultrasound department.

DMS 230 Cardiac Seminar

2 Hours

Prerequisites: Concurrent enrollment with DMS 246

2 hours weekly (2-0)

Advanced study of cardiac ultrasound physics and echocardiography in preparation for the certifying examinations. A review of case studies and "mock" examinations will help the student to focus on his/her individual problem areas. This is an Internet course.

DMS 236 Cardiac Ultrasound Clinic III

5 Hours

Prerequisites: DMS 200, DMS 224, DMS 226, a current CPR certificate, a negative two-step TB test (or negative chest x-ray) and health insurance

15 hours weekly (0-15)

This course is a continuation of the clinical component of Cardiac Ultrasound Imaging II, and is a supervised clinical experience covering cardiac-scanning techniques and protocols with emphasis on two-dimensional, M-modes, color flow, and cardiac Doppler ultrasound scanning of the normal and abnormal heart. The course is designed for the students to practice cardiac ultrasound techniques and observe a functioning ultrasound department.

DMS 246 Cardiac Ultrasound Clinic IV

10 Hours

Prerequisites: DMS 236, a negative two-step TB test (or negative chest x-ray) and health insurance

30 hours weekly (0-30)

The clinical component of Cardiac Ultrasound Imaging IV is a supervised clinical experience which will cover cardiac scanning techniques and protocols with emphasis on stress, transesophageal, intra-operative, and contrast echocardiograms, echo-guided maneuvers, and provocative measures utilized with echocardiograms.

Dental Assisting (DNA)

DNA 100 Oral and Dental Anatomy

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Dental anatomy is designed to give the student a basic understanding of crown and root development, morphology, and functional and positional relationships of the teeth within the dentition.

DNA 101 Dental Emergencies & Pathology

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

2 hours weekly (2-0)

This course is designed to introduce the student to the signs, symptoms, and treatment of medical emergencies in the dental office, and identify the supplies and materials needed in managing medical emergencies. Basic knowledge about oral pathology and associated terminology will be used to describe deviations from the normal in the patient's mouth.

DNA 102 Dental Assisting Procedures I

4 Hours

Prerequisites: None

6 hours weekly (2-4)

An introduction to the basic equipment, instruments, and procedures associated with the dental office, with emphasis being placed on learning to assist the dentist during four-handed dental procedures utilizing mannequins, demonstrations, and student practice. Principles and procedures of oral diagnosis and treatment planning, tooth numbering and surface annotation, local anesthesia, isolation

procedures, and instrument use, care, and sterilization will be presented. The principles of cavity preparation and choice of materials and instrumentation for restoring amalgam and composite restorations will be used.

DNA 103 Dental Assisting Procedures II

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

3 hours weekly (1-2)

This course utilizes the basic knowledge and skills required in DNA 102 to increase skill competency levels in operative dentistry with major emphasis given to principles and procedures of the dental specialties, including endodontics, periodontics, orthodontics, prosthodontics, pedodontics, and oral surgery. Patient care, management, and diagnosis and treatment planning for each specialty area will be presented. Assisting skills will be learned utilizing mannequins, demonstrations, and student practice. This class must be successfully completed before beginning an externship in a dental office.

DNA 104 Dental Radiography I

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course provides an introduction to dental radiography. The material covered includes basic theory regarding radiography, its equipment and equipment usage, the effects and hazards of radiation, and operator/patient protection during radiographic procedures. The types of exposures included in this course include bitewings and periapicals (bisecting and paralleling). This course provides the student with the technical knowledge needed for positioning, exposing, processing, mounting and

evaluating dental radiographs (to the extent of normal anatomy). The student will receive practical experience exposing and processing radiographs on mannequins.

DNA 105 Dental Radiography II

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

3 hours weekly (1-2)

Utilizing the basic knowledge and skills emphasized in DNA 104, this course increases the skill competency levels to prepare diagnostically acceptable intraoral radiographs using paralleling and bisecting techniques. In addition, this course will encompass the techniques for exposing radiographs on children, edentulous patients, and other special populations. Developing skills in the extraoral techniques will be included. The student will receive practical experience exposing radiographs on mannequins and selected patients.

DNA 106 Preventive Dental Health Education

3 Hours

Prerequisites: Completion of all fall semester DNA courses.

4 hours weekly (2-2)

A review of the etiology of dental caries and a study of dental plaque and periodontal disease with emphasis on the prevention and control. The role of the dental assistant in regard to oral health education will be the primary focus. The basic content, including proper nutrition and oral hygiene, directs students toward the ability to practice their communication skills and nutritional counseling skills as they relate to preventive dental health education. The student will receive practical experience for the delivery of dental health education.

DNA 107 Dental Materials

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A study of the physical and chemical properties and origin of dental materials, including the manufacturing process of specific materials. Dental materials is a science dealing with the development, properties, manipulation, care, evolution, and evaluation of materials used in the treatment and prevention of dental diseases. Through the understanding of how basic principles affect the choice, manipulation, patient education, and care of all materials used to assist in rendering dental services, the dental assistant can help ensure the ultimate success of a patient's dental work. Laboratory experiences are designed to develop competency in skills of manipulation and application of the materials to dental procedures.

DNA 108 Head and Neck Anatomy

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Head and Neck Anatomy is designed to give the student a basic understanding of the major anatomical landmarks of the head and neck, their location, innervation, blood supply, and function.

DNA 109 Dental Office Procedures

2 Hours

Prerequisites: Completion of all fall semester DNA courses.

3 hours weekly (1-2)

Business skills needed to function successfully as a dental secretary/office manager will be explored. Written skills (appointment book, accounts receivable and payable, fee collection, and recording) will be stressed. Proper bookkeeping (check writing, statement reconciliation, petty cash, etc.) will be explained and practiced. Prepaid dental care plans, payment plans, and necessary forms will be discussed. Effective oral and written communication with the public will be stressed. The student will receive computer experience using dental software programs. Knowledge and mastery of these procedures will enable the student to assist in the operation of an efficient dental office.

DNA 110 Infection Control

1 Hour

Prerequisites: None

1 hour weekly (1-0)

This course is designed to provide the student with the basic concepts, procedures, and current regulatory mandates related to infection control and the management of hazardous materials for the dental team.

DNA 112 Dental Assisting Externship

5 Hours

Prerequisites: Completion of all fall semester DNA courses.

21 hours weekly (1-20)

A clinical practice learning experience to increase dental assisting skills to job-entry level

competency. Clinical assignments in various dental specialty practices, as well as general dentistry practices will provide opportunities for advanced skill development in chairside assisting techniques, clinical support, and business office procedures. Students will demonstrate effective therapeutic communication skills. Ethical, legal, and personal responsibilities, testing and certification requirements, employer-employee relationships, job opportunities, professional development and continuing education, and current techniques/ equipment will be discussed in group sessions.

DNA 113 Oral Embryology & Histology

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Oral Embryology and Histology is designed to provide the student with the knowledge to understand the embryological development and microscopic examination of orofacial organs and structures.

Department of Corrections (DOC)

DOC 130 Orientation to Youth Services

3 Hours

Prerequisites: Completion of 16 credit hours of Department of Corrections Training

3 hours weekly (3-0)

This course is a general orientation to the juvenile justice system in the United States with a concentration on the methods available for dealing with juvenile offenders in the state of Illinois.

DOC 131 Orientation to Corrections

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course identifies the development of the correctional system for students choosing to pursue careers in the field of corrections. Emphasis is placed on the history, philosophy and methodology of corrections. Students are introduced to types of community-based programs, institutions and other correctional options.

DOC 132 Security Procedures I

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course provides instruction in basic security methods and techniques used to carry out prevention, protection, enforcement investigation, reporting and other security functions.

DOC 133 Weapons Proficiency

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is an introduction to the general and specific safety rules and handling of weapons. Time is provided for supervised practice to develop the competence to use firearms effectively and safely. Emphasis is also placed upon the physical, legal and ethical responsibilities associated with the use and misuse of firearms.

DOC 134 Crisis Management

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is an introduction to interpersonal skills and methods of handling a variety of security situations. Emphasis will be placed on the analysis of the problem, research of solutions, and correct choice of solution. Crises intervention techniques and stress management techniques are also included.

DOC 135 Security Procedures II

3 Hours

Prerequisites: DOC 132-Security Procedures I

3 hours weekly (3-0)

This course is a continuation of study in the career of security and corrections. Emphasis is placed on the contemporary problems of protective services and corrections.

Drafting Technology (DRT)

DRT 181 Technical Drafting I

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This is a lecture-laboratory course designed to promote the basic technical skills involved in mechanical drafting. Geometric construction, orthographic projection, sections, auxiliary views, dimensioning, and tolerancing will be studied with the major emphasis on the fundamentals of orthographic projection.

DRT 182 Technical Drafting II

4 Hours

Prerequisites: None

6 hours weekly (2-4)

A continuation of Technical Drafting 181, with emphasis on precision dimensioning, tolerancing, cams, gears, threads and fasteners, and assembly drawing. Specific problems are undertaken in the drawing and dimensioning of mechanical elements.

DRT 183 Detail and Assembly

2 Hours

Prerequisites: DRT 181

4 hours weekly (0-4)

A laboratory class involved in the study of detail and assembly drawing with emphasis on production drawings and practices. Specific problems are undertaken in detail and assembly drawing, title block construction and production dimensioning. Also, students will learn how to measure parts using calipers and micrometers.

DRT 185 Computer Graphics I

2 Hours

Prerequisites: None

3 hours weekly (1-2)

This course is designed to provide the student with an introduction to the practical uses of computer graphics. The student will become familiar with using a CAD system. The lab will provide hands-on experience.

DRT 186 Geometric Dimensioning & Tolerancing

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Geometric dimensioning and tolerancing (GD&T) is the accepted language industry uses to communicate with engineering drawings. This course is designed to provide the student with a practical understanding of GD&T. Specific engineering problems are undertaken in the control of manufacturing design and production. Some areas of study include how GD&T is used, datums, flatness, parallelism, perpendicularity, pro-files, and position.

DRT 187 Product Design

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The course will allow the student to design a functioning product. Used are materials, injection molding, pneumatics, hydraulics, motors, and coatings. Students will design systems based on given requirements.

DRT 190 Computer Graphics II

2 Hours

Prerequisites: DRT 185

3 hours weekly (1-2)

This course is a continuation of DRT 185, Computer Graphics I. The student will further his/her knowledge of AutoCAD. The student will learn how to use the following commands and functions: model space, paper space, more on layers, blocks, plotting, and advanced dimensioning, and will write simple LISP programs. The student will gain hands-on experience by creating drawings in lab.

DRT 192 Blueprint Reading

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Fundamentals of blueprint reading as applied to the welding industry. Basic drafting principles are studied and applied to specific problems.

DRT 281 Computer Graphics III

3 Hours

Prerequisites: DRT 185

3 hours weekly (2-2)

Continuation of Technical Drafting DRT 182 with emphasis on weldments, piping drawings, electrical drawings, and machine elements. The use of handbooks, catalogs, and other reference materials is emphasized in the design and drawing of various required-drawing assignments. All drawings will be done with computer-aided drafting.

DRT 282 Tool Design

3 Hours

Prerequisites: DRT 281

4 hours weekly (2-2)

A theory-practice course in design related to production tooling devices for tool guiding and work holding. Laboratory assignments include jig and fixture design problems. Current industrial designs and vendors' catalogs provide reference and guidance for practical individual design solutions.

DRT 283 Advanced Technical Drawing II

3 Hours

Prerequisites: DRT 181

5 hours weekly (1-4)

The course will consist of the student selecting a simple part and taking it through the entire industrial process. This includes designing the part, drawing the casting, processing the part, selecting an automatic machine and drawing the tool layout, designing the necessary tooling components, and designing the necessary gauges to check the part.

DRT 286 Computer Graphics IV

3 Hours

Prerequisites: DRT 185

4 hours weekly (2-2)

The student will study solids modeling, the text editor, developing libraries, script files and attributes. Theory is supplemented by practical hands-on lab experience in actual industrial problems.

Early Childhood Education (ECE)

ECE 100 Quality Environments in Family Care

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces principles and applications for creating quality environments in family child care settings. Emphasis is placed on the children, families, and care providers in this environment. The content of this course also includes opportunities for professional growth and development as identified by the task force of Professional Development Advisory Committee (PDAC) in defining the Early Childhood Career Lattice.

ECE 120 Guiding Play and Learning

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course focuses on play as an integral part of child's learning. It covers play theory and design of the learning environment. Students will learn how to promote prosocial behaviors through supportive relationships and environments within diverse settings and guide self-regulation, prosocial development and task engagement of children. Emphasis is placed on appropriate ways to guide children in their play activities and routines, and ways to develop creativity in children.

ECE 125 Young Children and the Arts

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course focuses on the development of creativity in young children. Students will be

taught methods and curriculum that foster creativity in graphic expression, music, and creative movement among preschool and primary school children.

ECE 140 Observation and Assessment

3 Hours

Prerequisites: None

5 hours weekly (2-3)

This course is designed to demonstrate to the student how to do authentic, alternative, classroom-based assessment on young children. It will further provide the student with the knowledge and skills to interpret and use the information gained to plan curriculum that is responsive to and supportive of children's learning and development. Students will have the opportunity to engage in assessment processes through means of classroom observations, providing each student with a stronger understanding of child development skills. Students will take responsibility for using a variety of age, developmentally, linguistically, and culturally appropriate formal and informal assessments to gather and share information on each child's skills, abilities, interests, and needs, birth through age eight.

ECE 150 Infancy Development

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces students to the beginnings of human life including reproduction, conception, pregnancy stages, pregnancy difficulties, and quality infant and toddler child care. The study of child development theory, research, and implications for child care practices from birth to 36 months is a major focus of the course. Emphasis is also placed upon NAEYC's developmentally

appropriate practices for infants and toddlers; and providing culturally sensitive care to diverse families.

ECE 151 Health, Safety, and Nutrition

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course provides an overview of the health, safety, and nutritional needs of young children and early childhood practices to ensure children's well-being in group settings birth to age eight. Content includes roles and responsibilities of adults in meeting children's needs, healthy life style practices, childhood illnesses and injuries, meeting health, nutrition, and safety standards, and planning nutritionally appropriate meals. Information on program planning, curriculum, current issues, and parent education in regard to health and safety will also be discussed.

ECE 155 The Early Childhood Profession

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will introduce students to the broad field of early childhood education to include an overview of diverse early childhood programs and settings; career opportunities and professional personnel; history and philosophy; legislation impacting child care; and major child and family issues. Emphasis will be placed on value clarification, making the right career choice, and personal and professional development as preparation for working with children, parents, and staff. Understanding of developmentally appropriate practices and quality programming will be fostered through classroom and field experiences.

ECE 160 Development and Care of Children

IAI – ECE 912

4 Hours

Prerequisites: None

6 hours weekly (3-3)

This course is designed to acquaint students with theories and principles of development from preschool-middle childhood. At the end of the semester, the student should have developed an understanding of the physical, social, emotional, cognitive, and language development of children and ways in which adults can support and enhance their development. Theories discussed include Piaget, Erikson, Vygotsky, Watson, and others. Students are introduced to DCFS guidelines and NAEYC's developmentally appropriate practices. Students enrolled in ECE 160 receive practical experience, three hours per week, in Logan's Preschool.

ECE 245 The Exceptional Child

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This survey course provides an overview of educational and evidence-based strategies supporting children with exceptional cognitive, social, physical, and emotional needs. Identification, intervention strategies, methods, and programs to meet the needs of children are presented. Study of applicable federal and state laws and requirements conducted, including: Individuals with Disabilities Education Act, Individualized Family Service Plan, Individualized Education Programs, and inclusive programming. Fulfills requirements of School Code 25.25.

ECE 260 Parent Involvement

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to enhance students' skills in working with families. Students will be introduced to theories, research, and practices related to promoting positive home, school, and community relationships. Respect for cultural diversity, professional ethics, and responding to the individual needs of families are central themes. Emphasis will be placed on using good communication skills, supporting parent's childrearing efforts, and guiding parent participation in schools.

ECE 265 Curriculum Development

3 Hours

Prerequisites: None

5 hours weekly (2-3)

This course will teach students how to design a preschool and school age classroom, develop lesson plans, and present activities to children. This course will help students generate ideas appropriate for each age group of children. Emphasis is placed on the writing of objectives, classroom management, and the use of positive guidance techniques with children.

ECE 266 Preschool Administration

3 Hours

Prerequisites: ECE 150, 160, 265, 267

3 hours weekly (3-0)

This course is an orientation to supervisory and administrative operations of preschool centers. Consideration is given to staffing, public relations, equipment, budgets, parent-school relationships, policies, and managerial duties.

Community services available to support preschool centers will also be discussed.

ECE 267 Child Care Laboratory I

5 Hours

Prerequisites: ECE 150, 160, 265

15 hours weekly (0-15)

This course involves actual work experience with young children that will give the student an opportunity to apply knowledge of child development theory and principles of developmentally appropriate care and education. The student will assist the supervising teacher with guiding children, implementing activities, and maintaining a clean, safe, and attractive environment.

Note: Combined enrollment of ECE 267 and 268 will not exceed 22 students.

ECE 268 Child Care Laboratory II

5 Hours

Prerequisites: ECE 267

15 hours weekly (0-15)

This course will provide the student with additional work experience with children in an early childhood setting. The student is expected to gradually take more initiative in assisting the supervising teacher in the classroom. The experience will include observing and analyzing children's behavior; planning and implementing developmentally appropriate activities/ lessons; using positive discipline techniques; maintaining a clean, safe, and attractive classroom; and helping children to develop their potential socially, emotionally, physically, and intellectually.

ECE 272 Language and Literacy Development

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is a study of language and literacy development beginning in infancy and progressing through the primary years. Emphasis will be placed on promoting family literacy, approaches to reading and writing instruction, application of research to practice, and evaluation of commercialized instructional programs. Students will be introduced to elementary school reading programs, reading problems, and remediation concerns.

ECE 279 Management Internship

4 Hours

Prerequisites: Career Early Childhood Education

AAS Degree

20 hours weekly (0-20)

This course will provide students with advance management experience in an early childhood facility selected by the College to meet Illinois Director Credential requirements. The student will work in the facility 300 contact hours (20 hrs. per wk). This experience will primarily involve job shadowing a seasoned program administrator, interviewing, performing tasks assigned by the administrator/site supervisor; as well as completing projects assigned by the College instructor.

ECE 280 Professional Development

4 Hours

Prerequisites: Early Childhood Education AAS Degree

8 hours weekly

This course was designed to assist students in fulfilling the professional contribution component of the Illinois Director's Credential (IDC). The IDC requires students to demonstrate professional commitment and leadership in the field of early childhood education through active engagement in professional endeavors beyond the scope of daily management of a center. The course instructor will provide support, supervision and guidance as students explore professional development opportunities, develop their plans, and engage in professional activities. Course requirements will be met via independent study and approved field experiences.

Economics (ECO)

ECO 201 Introduction to Macroeconomics

IAI – S3 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This introductory course emphasizes macroeconomic theory and application. Major topics include basic economic principles; capitalism vs. socialism; supply and demand analysis; resource allocation; evaluation of the major macroeconomic problems; inflation and deflation; employment and unemployment; national income accounting and theories; economic roles of households, business, government, and foreign sector; the business cycle including economic fluctuations, stability and growth; Classical, Keynesian, and monetarist economic theories, fiscal policy, monetary policy; money and banking, international economics and the world economy.

international economics and the world economy.

ECO 202 Introduction to Microeconomics

IAI – S3 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This introductory course emphasizes microeconomic theory and application. Major topics include basic economic principles; capitalism vs. socialism; supply and demand analysis; resource allocation; behavior of the consumer; price theories including price and output determination, and the behavior of the firm under varying market structures; monopoly problems, including antitrust and regulation; factor markets with emphasis on the labor market; income distribution and poverty;

Education (EDC)

EDC 200 Introduction to Education

3 Hours

Prerequisites: None

4 hours weekly (2-2)

EDC 200 provides a comprehensive overview of American education and the teaching profession. The course examines the theoretical and philosophical basis of American education, school governance, curriculum, financing, legal, ethical and professional issues in education. Students are introduced to the spectrum of student diversity; the assets individual students bring to learning across the curriculum, and the influence social, economic, cultural, and linguistic experiences have in developing a learning community in which individual differences are respected and meaningful learning opportunities are created for all students.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 202 Human Growth, Development, &

Learning

3 Hours

Prerequisites: PSY 132 with a grade of "C" or higher

4 hours weekly (2-2)

This course is an overview of human growth, development and learning from conception through the adult lifespan. Major areas of human development, including physical, social, emotional, and cognitive, and the interaction among these areas, are considered. This course will examine theoretical and research-based understandings of principles of human

development as well as dynamics of human behavior and social relations. Multicultural and pluralistic topics affecting development, including characteristics and concerns between and within diverse groups nationally and internationally area explored.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 203 Schooling in a Diverse Society

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is an overview of American education as both a professional and a public enterprise. Social, historical, and philosophical foundations are considered to give perspective to current issues, policies, and trends in the field of education. The course will examine how schooling is shaped by the social contexts in which it occurs, particularly in multicultural and global contexts.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 208 Characteristics and Methods for Teaching Exceptional Children

3 Hours

Prerequisites: EDC 200, EDC 202, PSY 132

3 hours weekly (3-0)

This course is designed for pre-service teachers who serve children and youth with disabilities in general education classrooms. The course focuses on essential disability characteristics; data-based decision-making; scientifically-based academic and behavioral interventions/strategies; differentiated instruction; accommodations; and forming and

sustaining collaborative relationships. Each of these areas will be addressed by assigned readings, lecture, and other assignments and activities.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 210 Regular Education Observation

1 Hour

Prerequisites: 30 hours of successful coursework (20 at John A. Logan College); or consent of instructor; comprehensive GPA of 2.75

2 hours weekly (0-2)

This course is designed to introduce education students to the learning/teaching environment. The field observation experience is related to concepts introduced in program coursework. Activities are assigned so that students are directed through a sequence of planning, implementation, and reflection. In addition, various activities are given by the cooperating teacher to familiarize students with various roles of the teacher.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 211 Special Education Observation

3.5 Hours

Prerequisites: 30 hours of successful coursework (20 at John A. Logan College); or consent of instructor: comprehensive GPA of 2.75

7 hours weekly (0-7)

This course is designed to enable special education majors to obtain field experiences. The field observation experience is related to concepts introduced in program coursework.

Activities are assigned so that students are directed through a sequence of planning, implementation, and reflection. This course requires 100 hours of supervised clinical experience.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

EDC 212 Paraprofessional/Practicum

3 Hours

Prerequisites: Students must have completed at least 30 credit hours or obtain permission of the instructor.

6 hours weekly (6-0)

This course is designed for people working as paraprofessionals in educational settings and for people who desire to work in educational settings in paraprofessional roles. A student who is already working in an education setting may use that setting for the practicum provided that individual arrangements are agreed upon by the instructor, supervising teacher and student. Students may be required to pass a background check in order to fulfill classroom observation requirements.

Engineering Graphics (EGR)

EGR 101 Engineering Graphics

IAI – EGR 941

2 Hours

Prerequisites: None

3 hours weekly (1-2)

This course is designed primarily for the pre-engineering student. It covers lettering, use of instruments, sketching, geometric construction, orthographic projection, auxiliaries, sections, dimensioning, threads and fasteners, intersections, and developments and problems in descriptive geometry that relate to prints, lines, planes in space, and curved surfaces.

Electronics (ELT)

ELT 100 DC/AC Fundamentals

8 Hours

Prerequisites: None

12 hours weekly (4-8)

DC/AC fundamentals will be approached by analyzing the basic series, parallel, and series-parallel circuits. The analysis of AC will be continued with RC, RL, RCL, filters, integrators, and differentiators. Circuit analysis theorems such as Thevenin's and Norton's superposition will be reinforced by appropriate lab experiments.

ELT 100S DC/AC Supplemental Instruction

2 Hours

Prerequisites: Concurrent enrollment in ELT 102 or ELT 111

2 hours weekly (2-0)

This course is designed to provide both group and individual supplemental instruction. The purpose is to provide additional opportunity for student success in the Electronics program.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

ELT 102 Basic Electricity and Wiring

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This course is designed to give students a basic understanding of industrial electricity and power systems to include industrial control circuits.

ELT 103 Applied DC/AC Circuits

4 Hours

Prerequisites: ELT 102

6 hours weekly (2-4)

This course is designed to introduce the student to applied DC/AC circuits. DC topics will include the study of Superposition Theorem, filters, Voltage dividers. AC circuit analysis will include sinusoidal sources, RMS calculations, resonant circuits, capacitive and inductive time constants, series and parallel resonance, and transformers will be covered. Students will use the theory learned in the classroom to design and construct circuits in the laboratory, computer simulation software will also be used. Test equipment will be used to take measurements and to perform basic trouble.

ELT 104 Introduction to VFDs

2 Hours

Prerequisites: ELT 102 and MFT 103 both with a grade of "C" or higher

3 hours weekly (1-2)

This course will introduce the student to variable frequency drive through theory and hands-on labs. The topics will include variable frequency drive safety, operation, setup, programming basic wiring and troubleshooting.

ELT 111 Digital Electronics I

3 Hours

Prerequisites: None

8 hours weekly (2-2)

This course will introduce students to basic digital technology. Number systems and basic and complex gate systems will be covered. Digital systems will be analyzed using techniques of Boolean algebra and Karnaugh mapping.

ELT 112 Digital Electronics II

3 Hours

Prerequisites: ELT 111 with a grade of "C" or higher

4 hours weekly (2-2)

This course continues the study of digital electronics technology through combinational and sequential logic systems, troubleshooting and advanced design techniques. The theory of operation of sequential logic circuitry that uses shift registers and counters will be explored. Hands-on labs will support the theories introduced in this course.

ELT 125 Energy Auditing & Thermography

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This course will cover principles of energy, energy conservation, energy cost reduction, basic concepts for implementation of an efficiency program and procedures of energy audits in residential and other buildings. Introduction to thermography principles is covered as an essential troubleshooting tool used when performing an audit and analyzing electrical equipment. Some of the main topics that will be covered include: principles of energy, energy conservation, government programs and certifications that require audits, and the purpose, theory, practice and outcomes of an energy audit.

ELT 143 Renewable Energy Principles

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to provide students with an introduction and overview of renewable

energies technologies. Emphasis will be placed on the exploration of principles and concepts as well as the application of renewable energy technologies (RET). The student will explore topics such as energy consumption, the pros and cons of renewable energy, energy production and costs, energy conversion, environmental issues and concerns, United States Electrical Grid, biomass and biofuel, geothermal, wind power, solar power, nuclear power, and hydropower systems.

ELT 150 Applied Solid State Electronics

4 Hours

Prerequisites: ELT 102

6 hours weekly (2-4)

This course is designed to introduce the student to solid state devices, controls, and their applications. Basic theory of operation and troubleshooting practices will be introduced using meters and the oscilloscopes. Some of the devices covered will include diodes, transistor amplifiers, logic circuits, thyristors, and timers.

ELT 151 Applied Solid State Circuits

4 Hours

Prerequisites: ELT 150

6 hours weekly (2-4)

This course is designed to introduce the student to applied solid-state circuits. Topics include the study of power supplies, transistor, transistor amplifier and JFET transistor characteristics and circuits. Students will use the theory learned in the classroom to design and construct in the laboratory, computer simulation software will also be used. Test equipment will be used to take measurements and to perform basic troubleshooting.

ELT 170 Biomedical Instrumentation I

4 Hours

Prerequisites: ELT 102 and ELT 111 both with a grade of "C" or higher

6 hours weekly (2-4)

This course is the first course in a three course sequence on biomedical instrumentation and regulations. This course will cover safety, regulations, and monitoring systems.

ELT 200 Introduction to Microprocessors

3 Hours

Prerequisites: ELT 102, ELT 111

4 hours weekly (2-2)

The instruction, demonstration, and practice of beginning machine language programming of the Motorola 68000 microprocessor to be followed by an introduction to basic interfacing techniques.

ELT 210 A+ Preparation Essentials

3 Hours

Prerequisites: None

4 hours weekly (2-2)

CompTIA A+ Essentials validates knowledge of basic computer hardware and software systems, covering skills such as installation, building, upgrading, repairing, configuring, troubleshooting, and preventive maintenance, along with elements of security and soft skills. The Essentials Exam validates the basic skills needed by any entry-level service technician regardless of job environment.

ELT 214 A+ Preparation IT Technician

3 Hours

Prerequisites: None

4 hours weekly (2-2)

The CompTIA A+ Technician (220-602) exam is targeted for individuals who intend to work in a mobile or corporate technical environment with a high level of face-to-face client interaction. The CompTIA IT Technician (220-602) is for the candidate who has already passed the CompTIA A+ Essentials examination. Candidates who pass both the CompTIA A+ Essential and exam 220-602 will be CompTIA A+ certified with the IT Technician designation.

ELT 215 IOT and Embedded Systems

3 Hours

Prerequisites: ELT 102 and ELT 111 both with a grade of "C" or higher

4 hours weekly (2-2)

This course examines current micro-controller and SOC (system on a chip) hardware as embedded systems including current applications of hardware and software in the Internet of Things (IOT). Specific low-cost consumer micro-controllers and modern applications of the technology are examined, including various software and hardware interfacing.

ELT 218 Introduction to Network Technologies

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed to allow students to obtain the skills necessary to work as an entry level network technician. The course is vendor neutral and allows the student to gain experience in network installation and

administration. The successful student will be prepared to take the CompTIA Net + exam.

ELT 220 Linear Integrated Circuits

3 Hours

Prerequisites: ELT 151

4 hours weekly (2-2)

This course will introduce the student to applications of various devices covered in digital and solid states, such as switching and sensing devices. Various industrial power systems and equipment, such as load centers and motor and control circuits, will be covered.

ELT 224 Power Distribution and Motors

3 Hours

Prerequisites: ELT 102 or consent of instructor

4 hours weekly (2-2)

This course will be concerned with power distribution systems and motor loads. Both three phase and single phase will be discussed.

ELT 236 Introduction to Fiber Optics

3 Hours

Prerequisites: ELT 102

4 hours weekly (2-2)

This course will give students a basic understanding of fiber optic electronics. It will explore the basic principle of light, light sources, and light carrying links. Fiber optic communications systems will be discussed, including optic receivers, optic transmitters, and optic system power losses.

ELT 243 Renewable Energy Systems

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Students will develop knowledge in the solar energy technologies field. They will learn the various types of solar systems and how to set up a solar energy system. Also general maintenance and cost calculations will be covered.

ELT 250 Biomedical Instrumentation II

3 Hours

Prerequisites: ELT 170 with a grade of "C" or higher

4 hours weekly (2-2)

This course is a continuation of Biomedical Instrumentation I and covers laboratory, life support, portable, and therapeutic equipment.

ELT 260 Introduction to Hydropower

3 Hours

Prerequisites: ELT 102 with a grade of "C" or higher or consent of instructor

4 hours weekly (2-2)

This course is designed to introduce the student to basic Hydropower concepts. Hydropower topics will include the study of the history, terminology, hydrologic cycle, system components, basic system operation, turbine types, and water sources. Student will participate in hands-on labs with a hydro turbine. Also, the student will do basic head measurements of a simulated site.

ELT 270 Introduction to Smart Grid

3 Hours

Prerequisites: ELT 102 with a grade of "C" or higher

4 hours weekly (2-2)

This course will explore "What smart grid technology is?" and "How it applies to today's industries". The use of smart grid technology can help residential and commercial individuals to be more aware of their energy usage. Topics covered in this course will include: safety, traditional grid construction and operation, Smart grid operation, Smart grid communications, retrofits that may enhance energy management effectiveness for smart grid users & an over view of green energy systems building codes and compliance requirements. Also included will be hands-on labs that will allow the student to gain experience using today's industry hardware.

ELT 280 Biomedical Instrumentation III

3 Hours

Prerequisites: ELT 250 with a grade of "C" or higher

4 hours weekly (2-2)

This course is a continuation of Biomedical Instrumentation II and covers operating room equipment, diagnostic imaging equipment, medical specific test equipment and healthcare information technology for technicians.

Emergency Medical Services (EMS)

EMS 250 Paramedic I

10 Hours

Prerequisites: EMT 111 or equivalent, ALH 101 or valid CPR-Healthcare Provider Card

12 hours weekly (9-3)

This course expands on the basic EMT level material in the areas of medical, legal, moral, and ethical responsibilities, and human anatomy and physiology. Trauma patient assessment is stressed utilizing ITLS standards. Patient assessment will be comprehensive and evoke critical thinking concepts. Respiratory system anatomy and physiology will be covered in preparation for EMS 251. Students must show evidence of appropriate inoculations.

EMS 251 Paramedic II

13 Hours

Prerequisites: EMS 250, ALH 101 or valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

21 hours weekly (9-12)

This course introduces students to the anatomy and physiology of the cardiovascular system, emphasizing the structure, function, and electrical conduction system of the heart, and the pathophysiology and emergency management of the cardiovascular system. The student will study the EKG interpretation and treatment of various arrhythmias and specific treatment techniques, including CPR, EKG, monitoring, defibrillation and cardioversion. The student will also study and show proficiency in advanced airway techniques and demonstrate an understanding of pharmacology and medications administered by the paramedic.

EMS 252 Paramedic III

7.5 Hours

Prerequisites: EMS 250 and EMS 251, valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

12 hours weekly (5-7)

This course is a continuation of EMS 251 covering advanced body systems. The student will first learn the management of hemorrhage in the patient followed by shock and its effects on body systems, and how the nervous system relates to trauma and medical emergencies. The student will also explore additional body systems including endocrine, gastrointestinal, and integumentary.

EMS 253 Paramedic IV

12.5 Hours

Prerequisites: EMS 250, EMS 251, EMS 252, valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

20.5 hours weekly (8.5-12)

This course is a continuation of EMS 252 that will expand into specific types of patients and special circumstances in EMS. Students will learn about hematology, infectious diseases, patients with behavioral and/or psychiatric disorders, physical disabilities, pediatrics, and geriatrics, with special emphasis on personal safety and patient care. Students will also learn techniques of emergency childbirth, be able to identify obstetrical emergencies, respond to hazardous emergencies and explain the incident command system.

Emergency Medical Technician (EMT)

EMT 111 Emergency Medical Technician I

10 Hours

Prerequisites: 18 years of age, H. S. diploma or equivalency. ALH 101, student must possess valid CPR-Healthcare Provider Card certification prior to the end of the EMT 111 course.

12 hours weekly (8-4)

This course is designed to provide the student with techniques of emergency care and transportation of the sick and injured. Emphasis is also placed on the legal and ethical responsibilities of the EMT, anatomy and physiology of the human body, resuscitation and defibrillation, techniques of using emergency equipment, and incident management.

English (ENG)

ENG 050 Basic Reading & Writing

5 Hours

Prerequisites: None

5 hours weekly (5-0)

This course introduces students to reading and writing skills necessary for success in college. Students learn to understand and remember better what they read. Writing assignments require them to engage in a process of planning, drafting, revising, and editing. Editing skills (grammar, punctuation, and spelling) are emphasized throughout the semester.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

ENG 052 Developmental Writing Skills

5 Hours

Prerequisites: None

5 hours weekly (5-0)

Developmental writing enables students to gain confidence in their writing ability through journal writing, reacting to personal reading, and writing for a variety of purposes. Students also develop peer-revising skills that enable them to recognize strengths and weaknesses in their own and others' writings. While this course is not designed for transfer, it prepares students to succeed in English 101 and assists them in developing the communication skills they will need in their chosen occupational field. Students must earn a grade of "C" or higher in order to progress to ENG 101.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

ENG 053 Developmental Reading Skills

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a "slice of college life" approach which involves students in a lively and immediate application of the reading process. Students will learn previewing, underlining/highlighting, marginal note taking, locating and defining key concepts, mapping, and summarizing. In addition, students will learn to manage time, to take effective classroom notes, and to prepare for and take objective and essay examinations. The course will be devoted to the direct application of these strategies to content area materials.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

ENG 101 English Composition I

IAI – C1 900

(Transfer students should take either 101 or 113.)

3 Hours

Prerequisites: Asset score of 38 or COMPASS score of 45 or ENG 052 (grade of "C" or higher)

3 hours weekly (3-0)

The primary objective of English 101 is to write effective expository prose. ENG 101 emphasizes the use of standard English and appropriate sentence structures in unified, developed, and coherent paragraphs and essays. Writing assignments require various rhetorical modes as students learn the process of writing. The course also includes an introduction to research skills and research writing.

ENG 102 English Composition II

IAI – C1 901R

3 Hours

Prerequisites: ENG 101 or ENG 113 (either with a grade of “C” or higher)

3 hours weekly (3-0)

In this course students further develop skills in writing expository prose. English 102 is a research writing course. Assignments include documented, multi-source writing in one or two papers for a combined total of at least 2,500 words in the final, graded version(s).

ENG 103 Creative Writing

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

In this course, students release as much imagination and craft on paper as possible by means of fictional and non-fictional sketch and exercise essays. The emphasis is on exercise. We will strive with the time and ability at our disposal to do the best work possible.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

ENG 113 Professional Technical Writing

IAI – C1 900R

(Transfer students should take either 101 or 113.)

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Technical writing is a composition course especially for engineering, science, social science, and vocational-technical students. Encompassing many different approaches to solving specific communication problems and emphasizing critical thinking skills, this course covers the written communication required in a job situation in the technical fields.

French (FRE)

FRE 101 Elementary French I

4 Hours

Prerequisites: None

4 hours weekly (4-0)

Emphasis on conversation with vocabulary building, grammar rules, and pronunciation practice. Language laboratory is required.

FRE 102 Elementary French II

4 Hours

Prerequisites: FRE 101 or consent of instructor

4 hours weekly (4-0)

Continuation of FRE 101 with new vocabulary, reading of French prose, oral practice, and writing. The grammatical structures of the language will be studied, expanding to past tenses and the subjunctive. Language laboratory is required.

FRE 201 Intermediate French I

4 Hours

Prerequisites: FRE 102 or consent of instructor

4 hours weekly (4-0)

Review and application of essential principles of French grammar structure and training in idiomatic usage through oral and written exercises; intensive practice of spoken language; reading of French literature with emphasis on French culture and civilization; required language laboratory assignments.

FRE 202 Intermediate French II

IAI – HI 900

4 Hours

Prerequisites: FRE 201 or consent of instructor

4 hours weekly (4-0)

Continuation of FRE 201 with summary of grammatical aspects of the language; refining conversation skills; strong emphasis on enhanced writing skills; and rapid reading of representational French language prose, arts, and cultures. In addition, composition writing and an oral exam will be part of the course. Language laboratory is required.

Fire Science Services (FSS)

This program is for students who are already functioning with a fire department and wish to participate in the certification program of the Illinois Office of the State Fire Marshal. Students must be employed by an Illinois fire department (full-time, part-time or volunteer) to be eligible for certification by the Office of the State Fire Marshal and to enroll in certain courses offered in this program.

FSS 103 Firefighter IIA

4 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer).

5 hours weekly (3-2)

This course is the first of four courses required by the Illinois State Fire Marshal's Office to become a Certified Firefighter. Topics covered in this course include fire behavior, safety, self-contained breathing apparatus, fire extinguishers, ladders, and fire hoses and appliances. After completion of this course, FSS 104, FSS 105, and FSS 106, students are eligible for Illinois State Fire Marshal's Office Firefighter II Certification.

FSS 104 Firefighter IIB

4 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer) and FSS 103.

5 hours weekly (3-2)

This course is the second of four courses required by the Illinois State Fire Marshal's Office to become a Certified Firefighter II. Topics covered in this course include emergency medical care, building construction, water supply, forcible entry, ventilation, fire control, nozzles, fire streams, and rescue. After completion of this course, FSS 103, FSS 105, and

FSS 106, students are eligible for Illinois State Fire Marshal's Office Firefighter II Certification.

FSS 105 Firefighter IIC

2 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer) and FSS 103 and FSS 104.

3 hours weekly (1-2)

This course is the third of four courses required by the Illinois State Fire Marshal's Office to become a Certified Firefighter. Topics covered in this course include ropes and knots, loss control, fire detection, alarm, and suppression systems, fire prevention and public education, protecting evidence, terrorism awareness, and firefighter survival. After completion of this course, FSS 103, FSS 104, and FSS 106, students are eligible for Illinois State Fire Marshal's Office Firefighter II Certification.

FSS 106 Hazardous Materials: Awareness

1 Hour

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), FSS 103, FSS 104, and FSS 105.

1 hour weekly (1-0)

This course was designed to enable firefighters to recognize hazardous materials and learn methods to protect themselves and secure the scene while waiting for Hazardous Materials specialists. After completion of this course, FSS 103, FSS 104, and FSS 105, students are eligible for Illinois State Fire Marshal's Office Firefighter II Certification.

FSS 107 Firefighter III

5 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter II Certificate, and FSS 105.

6 hours weekly (4-2)

This course was designed to provide Certified Firefighters (level II) training in advanced firefighting topics to enable them to advance to Certification level. Advanced topics covered in this course include fire behavior, safety, self-contained breathing apparatus, ropes, ladders, water supply, ventilation, rescue, communications, overhaul, fire prevention, public education, and building construction. After completion of this course and FSS 206, students are eligible for Illinois State Fire Marshal's Office Firefighter III Certification.

FSS 108 Management I

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, FSS 105, and FSS 107.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) introductory training in leadership, supervision, and management. Topics covered include human resource management, community awareness, public relations, organizational structure, motivation, and fiscal budgets. After completion of this course, students who also complete FSS 200, FSS 204, FSS 205, and FSS 208 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 200 Instructor I

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, FSS 105, and FSS 107.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) training in the basic principles of instruction. Topics covered include oral communication, instructional techniques, student assessment, responsibilities, and evaluations. After completion of this course, students who also complete FSS 108, FSS 204, FSS 205, and FSS 208 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 201 Instructor II

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, Illinois State Fire Marshal's Office Instructor I Certificate, FSS 105, FSS 107, and FSS 200.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) training in advanced instruction. Topics covered include evaluation, program development, lesson plans, public speaking, and instructional technologies. After completion of this course, students will be eligible for Illinois State Fire Marshal's Office Instructor II Certification.

FSS 202 Fire Apparatus Engineer

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter II Certificate, and FSS 105.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level II) training in the operation of pumping systems. Topics covered include pump operation, pump accessories, water supply systems, pump maintenance, use of streams, and hydrants. After completion of this course, students will be eligible to sit for Illinois State Fire Marshal's Office Fire Apparatus Engineer Certification.

FSS 204 Fire Prevention Principles

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, FSS 105, and FSS 107.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) training in fire prevention, investigation, and inspection. Topics covered include ordinances, life safety code, building construction, building occupancy, inspection techniques, investigation procedures, fire protection systems, and public education. After completion of this course, students who also complete FSS 108, FSS 200, FSS 205, and FSS 208 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 205 Tactics and Strategy I

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, and FSS 107.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) training in the principles of fire control. Topics covered include company officer leadership, fire chemistry and behavior, equipment, firefighting tactics, safety, building construction, and firefighting strategies. After completion of this course, students who also complete FSS 108, FSS 200, FSS 204, and FSS 208 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 206 Hazardous Materials: Operations

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter II Certificate, FSS 105, and FSS 106.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level II) classroom instruction to enable them to function as a First Responder or Hazardous Materials Incident Commander. Topics covered include laws, regulations, health and safety, assessment, monitoring, and response. After completion of this course, students are eligible for Illinois State Fire Marshal's Office Hazardous Materials: Operations Certification.

FSS 208 Management II

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Office Firefighter III Certificate, FSS 107, and FSS 108.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level III) advanced training in management. Topics covered include labor management, legal issues, communication, plan development, safety, conflict resolution, and local government. After completion of this course, students who also complete FSS 108, FSS 200, FSS 204, and FSS 205 will be eligible for Illinois State Fire Marshal's Office Fire Officer I Certification.

FSS 209 Hazardous Materials Technician A

3 Hours

Prerequisites: Employed by Illinois Fire Department (paid or volunteer), Illinois State Fire Marshal's Hazardous Materials Operations and Firefighter II Certifications, FSS 105, and FSS 206.

3 hours weekly (3-0)

This course was designed to provide Certified Firefighters (level II) training to enable them to mitigate Hazardous Materials incidents. After completion of this course, students are eligible for Illinois State Fire Marshal's Office Hazardous Materials Technician A Certification.

Geography (GEO)

GEO 112 Regional Geography

IAI – S4 900N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introduction to regional geography is an attempt to study and use geographic concepts and structures in relation to specific regions and countries. Focus is on key countries in the seven continents of the world.

GEO 215 Survival of Humans: Environmental Studies

IAI – L1 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory course dealing with the human-land relationship from a geographic viewpoint. Topics to be covered include the development, use, and management of natural resources. Emphasis will be placed upon political, economic, and social factors that influence resource decisions.

GEO 216 American Regional Geography

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Study of contemporary world cultures and the interrelationships with geographic structure and regions. Includes human origins and distribution, population, migration, health, climate, culture, language, settlements, industry, and agriculture.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

German (GER)

GER 101 Elementary German

4 Hours

Prerequisites: None

4 hours weekly (4-0)

Emphasis on grammar, vocabulary, pronunciation, and composition. Language laboratory is required.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

GER 102 Elementary German

4 Hours

Prerequisites: GER 101 or consent of instructor

4 hours weekly (4-0)

Continuation of GER 101 with new vocabulary, reading of German prose, oral practice, and writing. The grammatical structures of the language will be studied, expanding to past tenses and the subjunctive. Language laboratory is required.

GER 201 Intermediate German

4 Hours

Prerequisites: GER 102 or consent of instructor

4 hours weekly (4-0)

Review and application of essential principles of German grammar structure and training in idiomatic usage through oral and written exercises; intensive practice of spoken language; reading of German literature with emphasis on cultural aspects of the German-speaking world, arts, and civilizations. In addition, an oral exam will be part of the course. Language Laboratory is required.

GER 202 Intermediate German

IAI – HI 900

4 Hours

Prerequisites: GER 201 or consent of instructor

4 hours weekly (4-0)

Continuation of GER 201 with summary of grammatical aspects of the language; refining conversational skills; strong emphasis on enhanced writing skills; and rapid reading of representational German language prose, arts, and cultures. In addition, composition writing and an oral exam will be part of the course. Language laboratory is required.

Graphics Design (GRD)

GRD 110 Graphics Design I

5 Hours

Prerequisites: None

8 hours weekly (2-6)

Study of basic design principles related to business and the advertising industry. Individual projects will include problems in typography, logo designs, corporate identity systems, and business forms using traditional tools and computer graphics software. Windows-based computers will be used in conjunction with Adobe Photoshop, InDesign, and Illustrator software.

GRD 120 Graphics Design II

5 Hours

Prerequisites: GRD 110 Graphics Design I or consent of instructor

8 hours weekly (2-6)

Study of the fundamentals of advertising design. Students continue with advanced studies of design principles, research and formats, layout, and create advertising and editorial designs for magazines and books. Windows-based computers will be used in conjunction with Photoshop Illustrator, and Adobe Acrobat.

GRD 210 Graphics Design III

5 Hours

Prerequisites: GRD 120 Graphics Design II or consent of instructor

8 hours weekly (2-6)

Study of multimedia and includes focus areas such as presentation, animation, marketing, video/DVD composition, instructional design, print technology, typography, and photographic

design. Windows- based computers will be used in conjunction with Photoshop.

GRD 220 Animation

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Study of animation principles related to the movie and TV advertising industry. Individual projects will include composition, time and space, layering, masking, special effects, and lighting. Windows based computers will be used in conjunction with other effects software.

GRD 230 Video Production

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Study of basic skills and terms involved in television production. Projects will include set-up, lighting, gathering audio and recording video for corporate production, news, short-films and commercials. Windows based computers will be used in conjunction with Adobe Premiere and other effects software.

Heating and Air Conditioning (HAC)

HAC 102 Residential Electrical Wiring

4 Hours

Prerequisites: None

6 hours weekly (2-4)

The students will be introduced to basic residential wiring practices used in modern electrical installations. The course will focus on all aspects of residential wiring installation, parts ID, and circuit analysis. Hands-on knowledge of wiring of switches, 3-way switches, 4-way switches, load centers, lighting and duplex receptacles will be covered. This course will follow all NEC codes and standards for safety and wire sizing.

HAC 105 Basic Sheet Metal Layout

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A basic course for sheet metal pattern layout techniques as used in residential air conditioning and ventilation.

HAC 106 Advanced Sheet Metal Layout

2 Hours

Prerequisites: HAC 105

4 hours weekly (0-4)

An advanced course for sheet metal layout techniques as used in residential and commercial air conditioning and ventilation systems. The triangulation method of sheet metal layout will be emphasized in this course.

HAC 107 Electrical Controls and Circuitry

3 Hours

Prerequisites: ELT 102

4 hours weekly (2-2)

The student is introduced to air conditioning, heating, and refrigeration controls circuitry as well as solid state electronic controls. Proper troubleshooting techniques as well as safety will be covered.

HAC 121 Heating I

4 Hours

Prerequisites: None

6 hours weekly (2-4)

An introduction to heating, ventilation, and air conditioning systems. Maintenance and repair of gas, oil, and hydronic furnaces will be covered.

HAC 122 Heating II

4 Hours

Prerequisites: HAC 121

6 hours weekly (2-4)

Introduction to air distribution, air cleaning, and calculation of heat loads. Special emphasis will be placed on electric furnace testing and servicing along with heat load calculations.

HAC 131 Refrigeration and Air Conditioning I

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This course covers the fundamentals of refrigeration, refrigeration cycle, and basic refrigeration systems. Compression systems, refrigeration controls, charging, evacuating, and refrigeration tools and materials will be covered.

HAC 132 Refrigeration and Air Conditioning II

4 Hours

Prerequisites: HAC 131

6 hours weekly (2-4)

This course covers the operation and design of window units and split systems. Air conditioning controls and troubleshooting will also be covered. Special emphasis will be placed on psychrometrics, troubleshooting, and system design.

HAC 140 Weatherization

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course covers the process of implementing cost effective energy efficiency measures that increase the comfort and durability of the home.

HAC 142 Commercial Refrigeration

4 Hours

Prerequisites: HAC 131

5 hours weekly (3-2)

This course is designed to introduce the student to the operation and application of commercial refrigeration, evaporators, condensers, compressors, expansion devices, and related system components. Troubleshooting and typical operating conditions will be studied.

HAC 207 Advanced Controls and Circuitry

3 Hours

Prerequisites: ELT 102, HAC 107

4 hours weekly (2-2)

An introduction to more advanced controls used in the HVAC/R industry for operational, energy management, and diagnostic applications. This course will cover programmable temperature controls/thermostats, Direct Digital Control (DDC) applications, and Energy Management Systems (EMS) as they apply to heating and air conditioning.

HAC 222 Advanced Heating Systems

3 Hours

Prerequisites: HAC 121, HAC 122

4 hours weekly (2-2)

An introduction to more advanced heat pump systems, including dual fuel applications. Emphasis on air-to-air and geothermal heat pumps.

HAC 224 Geothermal Systems

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course covers Geothermal as it is used in the HVAC industry. Basic concepts of geothermal installation, design, maintenance, and troubleshooting will be covered. This class will also cover refrigeration theory, heat transfer, payback, current tax incentives, common problems and pricing geothermal systems.

HAC 240 Installation of HVAC Systems

3 Hours

Prerequisites: HAC 121, HAC 131

5 hours weekly (1-4)

Student will develop advanced skills and knowledge of the installation and start-up of residential heating and air conditioning systems. Focuses on installation code requirements and start-up procedures for residential heating and air conditioning systems. Tools safety and add-on purchases will also be covered.

HAC 241 Building Systems Performance

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Students will develop skills to manage and plan green technologies installations. This course focuses on setting up and determines what equipment is best and most cost effective for a particular job. Various types of HVAC equipment and efficiencies and comparison of each will be done.

HAC 279 ICE Testing

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to help prepare the student to pass the ICE Exams. The Industry Competency Exams were organized by the ARI (Air Conditioning and Refrigeration Institute) to encourage high standards in education HVAC installation, service, and maintenance.

History (HIS)

HIS 101 Western Civilization I

IAI – H2 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of Europe to 1715. Attention is given to Mesopotamia, Egypt, Greece and Rome, Middle Ages society and church, the growth of urban culture and trade, the rise of kings, European exploration of other parts of the world, and the emergence of nation states. Emphasis is on broad social, intellectual, religious, and political movements that shaped Europe on the verge of the modern era.

HIS 102 Western Civilization II

IAI – H2 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of Europe since 1650. Beginning with the rise of nation states in the seventeenth century, this course traces the intellectual, political, religious, and social trends that formed the modern world. Important elements include the Scientific Revolution, the political transformations beginning with the American and French Revolutions, the rise of industry, imperialism, the world wars, and the direction of Western culture in the Cold War and after.

HIS 103 World Civilizations I

IAI – S2 912N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of world cultures, including those of Africa, Asia, Europe, and the Americas, from prehistory to the Age of Exploration. The course will deal with the emergence of cultures, economic and political developments, and especially the relations between different cultures as they expanded into contact with each other.

HIS 104 World Civilizations II

IAI – S2 913N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of world cultures, including those of Africa, Asia, Europe, and the Americas, from the Age of Exploration to the present. The course will deal with all aspects of culture, economic and political development, and the increasing interrelatedness of cultures.

HIS 110 Twentieth Century America

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of the United States since 1900. Areas of emphasis include political changes during the century; social changes, including class, gender, and region; the impact of the world wars and the wars in Korea and Vietnam; technology and its effects; and the United States in an increasingly interdependent world community.

HIS 112 The Twentieth Century World

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of the world from 1900 to the present. Attention is given to the issue of imperialism, the world wars, the Cold War and the period after the fall of Communism. The focus is on political, economic, and social changes, and the evolution of the world system from one of a few great powers to an increasingly interdependent model.

HIS 201 United States History I

IAI – S2 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The origins of American culture from exploration through settlement and the founding of the United States. Emphasis is given to social, religious, economic, and political factors that shaped and continue to shape American civilization. Colonization, development of American identity, rebellion against Great Britain, the writing of the Constitution, and the evolving cultures of North and South are addressed. The course culminates in the sectional crisis, the Civil War, and Reconstruction.

HIS 202 United States History II

IAI – S2 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

United States History from Reconstruction to the present. Emphasis is placed on the importance of industrialization and the rise of business in transforming both North and South, and the significance of responses of workers, farmers, religious figures, and others to the social and economic transformation of America. The Progressive Movement, New Deal, New Frontier, Great Society, and other domestic issues are presented, along with the role of the United States in the world wars and the Cold War, and the post-Cold War role of the United States as superpower.

HIS 211 Modern American History: 1920-1939 (The Twenties, The Depression, and The New Deal)

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A study of the contrasts in American social and economic life in the 1920s and the effects of the Great Depression of the 1930s on American attitudes, both national and local. Attention is also given to the major domestic political events of the period. This course is designed for history majors and minors and others desiring a social science elective.

HIS 213 Eastern Civilizations

IAI – H2 903N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A survey of the history of China and Japan from prehistory to the present. Special attention is given to the ways these non-Western societies organized and governed themselves, and to the art and literature of East Asia. Further emphasis is given to Asian religious outlooks (Confucian, Taoist, Buddhist, and Shinto) that underlie modern Asian values. The interaction of East Asia with Europe and the United States in the last two centuries is also considered.

HIS 216I Modern Britain

3 Hours

Prerequisites: Students enrolled in a study abroad program. (Contact the International Education Coordinator for more information.)

3 hours weekly (3-0)

A survey of the history of England. Includes political, economic, religious, cultural, social and diplomatic aspects.

HIS 223 The African-American Experience

3 Hours

Prerequisites: None

3 hours weekly (3-0)

History of African-American culture from African origins to the present. This course deals with social, economic, literary, religious, and ideological factors as they relate to African origins, the transatlantic slave trade, the cultures formed within slavery in the Americas, the impact of the American Revolution, the antislavery movement, Civil War, and

Reconstruction, the Jim Crow era of segregation, and twentieth century moves toward civil rights.

HIS 260I British History to 1714

3 Hours

Prerequisites: Students enrolled in a study abroad program. (Contact the International Education Coordinator for more information.)

3 hours weekly (3-0)

A survey course covering the political, social, economic, and cultural history of Britain to 1714.

Health Information Technology (HIT)

HIT 101 Introduction to Health Information

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to Health Information is a course that will initiate the student to the field of health information technology. It is an overview of the functions and responsibilities of the technologist and orientation to the technical skills held by the technologist, including skills necessary to maintain components of health record systems consistent with the medical administrative, ethical, legal, accreditation, and regulatory requirements of the health care delivery system.

HIT 102 Health Record Procedures

3 Hours

Prerequisites: HIT 101 and acceptance into HIT program

3 hours weekly (3-0)

Study of the content, format, evaluation, and completeness of the medical record; licensing, accrediting, and regulatory agencies; numbering systems; patient index; filing systems; and record retention, storage, and retrieval.

HIT 103 Health Records Systems Lab

1 Hour

Prerequisites: HIT 101 and acceptance into HIT program

2 hours weekly (0-2)

This course provides the student the laboratory hands-on experience in evaluating content, format, and completeness of actual medical records. Also included in this lab is experience

with numbering systems, patient indexes, filing systems and records retention, storage, and retrieval. Computer experience will be utilized as a teaching method.

HIT 201 Health Data and Statistics

2 Hours

Prerequisites: MAT 120 and acceptance into HIT program

2 hours weekly (2-0)

Study of the sources and uses of health data; computation of rates and percentage; vital records registration, reporting, and display.

HIT 202 Clinical Practicum I

2 Hours

Prerequisites: HIT 101 and acceptance into HIT program

10 hours weekly (0-10)

Clinical experience in the areas of patient registration; registration procedures in the health information department; storage and retrieval of medical records; technical analysis of the medical record; coding and indexing; and medical transcription, with related experiences.

HIT 203 Management in Health Care

3 Hours

Prerequisites: HIT 101 and acceptance into HIT program

3 hours weekly (3-0)

Study of management principles as applied to the health information department. Includes an introduction to management; the functions of planning; organizing; controlling; actuating/supervising; problem solving; and quality improvement in the health information department.

HIT 204 ICD-10-CM Coding Basics

3 Hours

Prerequisites: HIT 101 with a grade of "C" or higher

3 hours weekly (3-0)

A basic study of the International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) diagnosis coding system with a focus on concepts and conventions.

HIT 205 ICD-10-CM/PCS Advanced Coding

5 Hours

Prerequisites: HIT 204, HIT 215 and HIT 218 all with a grade of "C" or higher

6 hours weekly (4-2)

An advanced study of the International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) and the International Classification of Diseases, 10th Revision, Procedure Classification System (ICD-10-PCS) coding systems.

HIT 206 Medical Insurance and Billing Procedures

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will provide students preparing to work in medical offices with a basic knowledge of national diagnostic (ICD-9-CM) and procedural (CPT-5) coding systems. In addition, students will develop skills in the preparation of insurance claim forms for the major medical insurance programs.

HIT 210 CPT Coding

3 Hours

Prerequisites: HIT 101

3 hours weekly (3-0)

This course covers the principles of coding with CPT. Students will develop an understanding of coding and classification systems in order to assign valid CPT/HCPCS procedure codes used to report reimbursable services.

HIT 211 Medico Legal Aspects

2 Hours

Prerequisites: HIT 101 and acceptance into HIT program

2 hours weekly (2-0)

Study of the basic concepts and principles of law and their application to the health care field and specifically to the health information department; laws dealing with confidentiality and release of information; liability of health care providers and other topics.

HIT 212 Quality Management

3 Hours

Prerequisites: HIT 101 and acceptance into HIT program

3 hours weekly (3-0)

Study of quality management systems. Includes the purpose and philosophy of quality improvement; utilization management performance improvement and risk management in the acute care facility; coordination of quality management activities with physician credentialing/reappointment and employee performance evaluation; quality management requirements for acute care facilities in specific programs; quality management in non-acute care facilities; confidentiality or quality management information; and the expanding quality management function.

HIT 213 Clinical Practicum II

2 Hours

Prerequisites: HIT 202

10 hours weekly (0-10)

Clinical experience in the areas of medical staff; TJC; quality improvement, utilization review, review agencies, Medicare, DRGs; coding reinforcement and health information.

HIT 214 Health Information in Non-Traditional Setting

2 Hours

Prerequisites: HIT 101 and acceptance into HIT program

2 hours weekly (2-0)

Study of health information services in health care institutions other than acute care hospitals. Includes regulating agencies,

reporting systems, controls, the health record system, and other regulated topics.

HIT 215 Pathophysiology

4 Hours

Prerequisites: HIT 217 with a grade of "C" or higher

4 hours weekly (4-0)

Introduction to general principles of disease with emphasis on the etiology, symptoms, signs, diagnostic findings, and treatment.

HIT 216 Reimbursement Management

3 Hours

Prerequisites: Completion of HIT Program Coding or consent of Program Director/Assistant Director

3 hours weekly (3-0)

Study of reimbursement as it relates to the healthcare field and specifically to the Health Information Department. Includes an overview of reimbursement methodologies, government sponsored healthcare programs, coding compliance, charge description master maintenance, and revenue cycle management.

HIT 217 Medical Terminology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is an introduction to medical terminology which includes word building principles; basic anatomy and physiology; key anatomical and physiological terms; combining forms, suffixes, and prefixes. In addition, students will learn how to listen critically for important terms, respond to others using medical terminology, and generate their own terminology-rich writing and speech.

HIT 218 Introduction to Pharmacology

3 Hours

Prerequisites: BUS 215 with a grade of "C" or higher

3 hours weekly (3-0)

An introduction to basic concepts and pharmacological principles that apply to all drugs. Drug classes that pertain to specific body systems and therapeutic effects, clinical indications, adverse reactions, and drug interactions will also be discussed.

Health (HTH)

HTH 110 Health Education

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Designed to provide a sound knowledge of health in order to favorably influence the student's attitudes, habits, and practices pertaining to the physical, mental, social, and emotional environments. This is a course in critical decision making for personal health and lifestyle choices.

HTH 115 Foundations of Health & Physical Fitness

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Emphasis is placed on the physiological aspects of health. An analysis of personal health and physical fitness for efficiency and longevity. Discussion and lab testing of areas of obesity, nutrition, and total physical fitness through balanced living.

HTH 116 Elements of Exercise & Conditioning

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Emphasis is placed on the elements of physical fitness and the nature of physical change through the process of exercise program design, modification, and progression. Discussion includes physiological function, promotion of physical efficiency, exercise safety, and aspects of nutrition influencing program success.

HTH 117 Elements of Physical Fitness

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Emphasis is placed on the safe development and maintenance of a physical fitness program. Discussion includes physiological function, exercise safety, and the recognition of period based program change for long-term program success.

HTH 118 Lifelong Health and Physical Fitness

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Emphasis is placed on the safe development and maintenance of physical fitness and efficiency toward enhancement of the individual goals of daily function, recreational enjoyment, and/or sport performance. Discussion includes physiological function, the establishment of personal fitness benchmarks, and lifelong exercise adherence.

HTH 120 Human Sexuality

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The course provides a comprehensive introduction to the biological, psychological, social, historical, and cultural aspects of human sexuality. Course design encourages students to better understand their own sexuality, to increase students' awareness of sexuality throughout the life cycle, to describe human sexuality in precise and objective language, to learn to make responsible sexual decisions, to

become aware of issues in the area of sexual health, and to enhance students' understanding of sexual intimacy.

HTH 125 First Aid and Personal Safety

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course will cover the general first aid and personal safety procedures most often needed in emergency situations. Students will be taught to recognize various illnesses and injuries and the procedures to be used to keep people alive and comfortable until professional help arrives.

HTH 135 Drug Abuse & Alcohol Education

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to provide students with an understanding of drug use in our society.

This course will increase the student's awareness of alternatives to drug use and increase decision making skills.

HTH 150 Stress and Its Management

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course provides a comprehensive introduction to stress and its management as it integrates the mental, emotional, physical, social, and spiritual aspects of well-being. It emphasizes theoretical concepts regarding the causes of stress, symptoms stress can produce, and practical methods utilized to deal with each. Emphasis is placed on the students' identification of particular stressors in their

daily lives and the practical application of stress management techniques that work best for them.

HTH 250 Wellness for Women

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Over the last 25 years, there has been a growing interest in the unique health issues of women. The feminine life cycle is a new field of study. The course is intended to provide a comprehensive study of the physical, emotional, spiritual, and social wellness areas for women. Men as well as women can benefit from the information provided in this course.

Humanities (HUM)

HUM 120/PSC 120 Latin American Civilization

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Latin American Civilization is an interdisciplinary course combining the social sciences and humanities. The course will examine Latin American history, politics, religion, geography, languages, culture, music, and art. Students will study the diversity of the peoples of Central and South America and throughout the Caribbean. One of the central purposes is to present students with the opportunity to learn about the complexity and richness of people and nations of the Latin American region. Nations such as Mexico, Brazil, Costa Rica, Colombia, Chile, and Ecuador will be featured in the course.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

HUM 152 Death and Dying

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course presents an interdisciplinary analysis of death and dying. Topics to be covered include definitions of death; cultural, social, and psychological aspects of these topics; children and death; dying patients and their survivors; euthanasia; suicide; the right to die; and other related matters. The course is accepted as a College-wide elective.

HUM 200I Understanding Austria

3 Hours

Prerequisites: Students enrolled in a study abroad program. (Contact the International Education Coordinator for more information.)

3 hours weekly (3-0)

This course is an introduction to Austrian history and culture. It focuses on the historical, musical and artistic heritage of Austria ending with a survey of Austrian life today.

Industrial Maintenance (IDM)

IDM 120 Safety and Environmental Management

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to provide the student with an understanding of proper safety precautions involved in using various shop equipment and solutions. Also, proper material handling, storage, and disposal of hazardous materials are discussed.

IDM 207 Building Mechanics and Maintenance

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This course is designed to introduce the student to construction processes, procedures and techniques as they may apply to agricultural mechanics and or facility management. A major emphasis of this course will be applied applications of proper tool usage and procedures for basic carpentry, concrete/masonry, plumbing, electrical, welding and small engines.

IDM 210 Hydraulics and Pneumatics

4 Hours

Prerequisites: None

6 hours weekly (2-4)

A study of basic industrial fluid power systems common to automated industrial equipment, including hydraulic and pneumatic.

Independent Study (IND)

IND 199 Independent Study

1-4 Hours

This course provides students with an opportunity to pursue supervised study on an independent basis for academic work in subject areas offered by John A. Logan College. Each proposal for independent study must be submitted in written form through the appropriate department chairperson for approval by the vice-president for instruction. Each approved independent study project must be supervised by a faculty member. Students must submit proposals prior to the first week of classes. Forms are available from the Office of the Vice-President for Instruction.

Industrial Processes (IND)

IND 121 Manufacturing Processes I

2 Hours

Prerequisites: None

4 hours weekly (0-4)

This course is an introductory study of conventional machining processes. The student will become familiar with machine shop safety, hand tools, precision measurement, identification of materials, machinability, layout, metal cutting, drilling, turning, milling, and grinding machines. The students will also be introduced to computer numerical control (CNC) programming and machine processes.

IND 122 CAD/CAM Operations

2 Hours

Prerequisites: IND 121 or DRT 185

4 hours weekly (0-4)

This course is designed to provide advanced machining experience in the use of CAD/CAM machining processes. The students will develop the drawing, part program, text files, and document files using Auto-CAD and EZ-CAM software. The students will use their programs to produce various component parts as assigned. Various applications of 2D and 3D machining techniques will be emphasized as they apply to CNC machining operations.

IND 138 Industrial Seminar

1 Hour

Prerequisites: None

1 hour weekly (1-0) or block schedule

An orientation to the jobs available in the field. The class sessions include lectures by the instructor and representatives in related fields

as well as class discussion, projects, and individual research.

IND 201 Metallurgy

2 Hours

Prerequisites: None

2 hours weekly (2-0)

A study of the fundamental characteristics and properties of metals and alloys, elementary theories of bonding, crystal structure, deformation phenomena, and phase relationships in binary alloys. Annealing and heat treatment of alloys with major emphasis on iron-carbon alloys.

Interpreter Preparation (IPP)

IPP 101 ASL/Non-IPP Majors

4 Hours

Prerequisites: None

4 hours weekly (3-1)

This course is designed for students who have no knowledge of American Sign Language. The focus of this course will be on developing both expressive and receptive skills in basic ASL to allow students to function comfortably in a variety of communication situations. The course introduces conversational ASL vocabulary, grammatical principles and syntax. Fingerspelling and Deaf culture are also introduced.

IPP 102 ASL/Non-IPP Majors

4 Hours

Prerequisites: IPP 101 with a grade of "C" or higher

3 hours weekly (3-1)

This course is a continuation of American Sign Language 101. The focus of this course is to further develop both expressive and receptive skills in basic ASL. New ASL vocabulary, grammatical principles, and syntax will be introduced. Deaf culture will continue to be studied in this course.

IPP 111 Nonverbal Language

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course examines the profound and overlooked contribution of nonverbal behavior to the communication processes, particularly in American Sign Language. It compares and contrasts actions rather than speech and signs.

Nonverbal language is inseparable from the feelings that we knowingly or inadvertently project in our everyday social interaction and determines the effectiveness and well-being of our intimate, social, and working relationships. Facial expressions, postures, movements, and gestures are so important that when our words/signs contradict the silent messages contained within them, others mistrust what we say, for they rely almost completely on what we do. Additionally, this course lays the foundation for learning American Sign Language by concentrating on body language, natural gestures, and facial expressions.

IPP 141 American Sign Language (ASL I)

4 Hours

Prerequisites: None

6 hours weekly (2-4)

This course is designed for students who have no knowledge of American Sign Language and for individuals with previous knowledge of sign language but not American Sign Language. A grade of "C" or higher must be achieved to advance to second-year classes.

IPP 142 American Sign Language (ASL II)

4 Hours

Prerequisites: IPP 141 or equivalent

6 hours weekly (2-4)

This course is a continuation of American Sign Language I. It is designed to develop further communicative proficiencies at the intermediate level. Students will be writing transcription symbols, sentence types, time signs, pronominalization, subjects and objects, classifiers, locatives, pluralization, and temporal and distribution aspects for execution. Students will experience additional in-depth receptive and expressive proficiency development. Nonmanual aspects (grammar

markers) will be featured and emphasized. Additional information about the deaf community/deaf world and its culture will be featured. A grade of "C" or higher must be achieved to advance to second-year classes.

IPP 143 American Sign Language (ASL III)

5 Hours

Prerequisites: IPP 142

7 hours weekly (3-4)

This course is a continuation of American Sign Language II. It is designed to develop further communicative proficiencies at the beginning of the advanced level.

IPP 144 ASL Classifiers

3 Hours

Prerequisites: IPP 141

3 hours weekly (3-0)

This course will provide the opportunity for students to enhance their use of classifiers. Classifiers, not used in the English language, are one of the most difficult parts of the American Sign Language for students to learn. Content will be explored using games and activities and a CD text.

IPP 151 Deaf Studies/Culture

3 Hours

Prerequisites: IPP 111, 141

3 hours weekly (3-0)

This course is designed to provide students with awareness and in-depth information on the history of the deaf world/deaf community with its embedded cultural traditions from a sociological and humanistic viewpoint on deafness.

IPP 201 Introduction to Interpreting

3 Hours

Prerequisites: IPP 111, 141

3 hours weekly (3-0)

This course is designed to introduce students to the basic concepts and vocabulary in the field of interpreting. We will focus on the psychological impact of having interpreters involved in the communication event. Students will participate in a cultural role play to begin to understand the feelings of people on every side of the communication. Students will also be exposed to working interpreters through structured observations.

IPP 211 ASL Linguistics I

3 Hours

Prerequisites: IPP 142

3 hours weekly (3-0)

This course will introduce students to the basic linguistic principles behind ASL in an effort to continue their development of sign language skills. The students will develop knowledge of the structure of the language to complement their proficiency in language use. The phonological rules of ASL and English will also be studied. A grade of "C" or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 212 ASL Linguistics II

3 Hours

Prerequisites: IPP 211

3 hours weekly (3-0)

A continuation of the first semester course in ASL Linguistics, this course is also designed to reinforce the students' acquisition of language skills in ASL by providing the knowledge competency component. This course focuses

on the morphology, syntax and use of ASL. A grade of “C” or higher in IPP 141 and 142 must be achieved to advance to the second-year classes.

IPP 222 Interpreting ASL to English

4 Hours

Prerequisites: IPP 201

6 hours weekly (2-4)

This course explores the theory and skills necessary to interpret from an American Sign Language text to appropriate spoken English. This course will explore the concepts of register, processing time, and the interpretation process. Course materials will be sequenced from paraphrasing, translation, consecutive interpretation, and simultaneous interpretation. Emphasis will be placed on message equivalence and appropriate vocabulary choices. A grade of “C” or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 223 Introduction to Transliterating

3 Hours

Prerequisites: IPP 143, 211, 231

6 hours weekly (2-4)

This course explores the theory and skills necessary to transliterate and shows in which contexts transliteration is used. In class, students will practice transliterating in conceptually accurate ASL signs and principles executed in English word order. Course materials will be sequenced from preschool to adult-level material and from non-technical to technical use of vocabulary. Emphasis will be placed on speed, conceptual accuracy, fingerspelling, and appropriate vocabulary. A grade of “C” or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 226 Seminar in Interpreting

3 Hours

Prerequisites: Completion or near completion of an interpreting program and/or work experience as a sign language interpreter

3 hours weekly (3-0)

Seminar in Interpreting provides a forum for professional development for working interpreters. Participants generate the topics for discussion, research those topics, and present an online paper about their chosen topic. These topics are then discussed by the class online, with the author of the paper as discussion leader.

IPP 231 Interpreting I

4 Hours

Prerequisites: IPP 141, 142, 201

6 hours weekly (2-4)

This course focuses on the acquisition of the interpreting process. Students develop processing skills by paraphrasing, translating, consecutive interpreting, and finally simultaneously interpreting spoken and signed messages. Ethical decision making will be reinforced. Diagnostic observation of working interpreters will also be a focus of this course. A grade of “C” or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 240 – Fingerspelling and Numbers I

1 Hour

Prerequisites: IPP 142

2 hours weekly (0-2)

Interpreters must understand and be able to produce fingerspelled words and numbers. This course is intended to give students the tools and vocabulary needed to improve their

reading and production of fingerspelling and numbers used discreetly or in monologues or dialogues.

IPP 241 – Fingerspelling and Numbers II

1 Hour

Prerequisites: IPP 240

2 hours weekly (0-2)

Interpreters must understand and be able to produce fingerspelled words and numbers. This course is intended to give students the tools and vocabulary needed to improve their reading and production of fingerspelling and numbers used discreetly or in monologues or dialogues. This course is a continuation of Fingerspelling and Numbers I.

IPP 244 ASL IV – Survey of ASL Literature

4 Hours

Prerequisites: IPP 143 and 211

4 hours weekly (4-0)

This course explores American Sign Language (ASL) literature, both in translations and in its own right. A well-rounded language program must explore literary works in the language of study. The students will study and explicate important literary works and video journalize their analysis. A grade of “C” or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 250 Field Experience I

3 Hours

Prerequisites: IPP 143, 211, 231

11 hours weekly (1-10)

This practicum will expose students to interpreting experiences, continued observation of working interpreters, and continued interaction with deaf and hard-of-hearing

people. The students will participate in a one-hour seminar session per week and ten hours of practicum per week.

IPP 251 Interpreting II

4 Hours

Prerequisites: IPP 231

6 hours weekly (2-4)

This course is a continuation of Interpreting I. The students will simultaneously interpret various spoken and signed texts and participate in role plays related to settings in which interpreters work. Vocabulary development will also be an emphasis and discussions of the application of ethical principles to various situations. A grade of “C” or higher in IPP 141 and 142 must be achieved to advance to second-year classes.

IPP 275 Evaluation Preparation

3 Hours

Prerequisites: For students nearing completion of their interpreter program, and working interpreters preparing to take interpreter evaluations.

3 hours weekly (3-0)

This course is intended to provide useful information for sign language interpreters preparing to take written or performance evaluations. In this course we will explore evaluations, what to expect and relaxation techniques to help interpreters do their best in the “hot seat”.

IPP 277 Interpreting for Deaf-Blind Persons

3 Hours

Prerequisites: Interpreting skill, interest for deaf-blind individuals.

3 hours weekly (3-0)

This course explores interpreting for deaf-blind individuals. It is somewhat self-paced, with assessments at various points in the course.

IPP 278 ASL Vocabulary Building I

3 Hours

Prerequisites: IPP 142 with a grade of "C" or higher. Students in the Educational Interpreting Professional Program are working interpreters and qualify for admission to this course.

3 hours weekly (3-0)

This course is intended to supplement American Sign Language vocabulary development. Vocabulary is presented through weekly, themed activities using individual assignments and group discussions. Emphasis is placed on developing a conceptual understanding and application of concepts rather than a word-for-sign exchange.

IPP 279 ASL Vocabulary Building II

3 Hours

Prerequisites: IPP 278 with a grade of "C" or higher.

3 hours weekly (3-0)

This course is intended to supplement an American Sign Language class and provide additional language development. The structure includes individual lessons with targeted vocabulary presented via short video clips. Each lesson has an online quiz testing receptive knowledge of the previously presented ASL signs.

IPP 291 Interpreting Technical Classes

3 Hours

Prerequisites: IPP 224

3 hours weekly (3-0)

Interpreters are often required to interpret highly technical information. This course is intended to give students the tools and vocabulary needed to convey technical information to deaf and hard of hearing students.

IPP 299 Educational Interpreting Internship

3 Hours

Prerequisites: IPP 224

11 hours weekly (1-10)

This internship will expose students to interpreting experiences, continued observation of working interpreters and interaction with deaf and hard of hearing children.

Interdisciplinary (Special) Topics (ITD)

ITD 200 A to H Special Topics in Social Science

1 to 3 Hours

Prerequisites: Consent of instructor

1 to 3 hours weekly

This course provides a study of special topics and problems in social science through an interdisciplinary approach. Study may be through lecture, readings, discussions, guided research, travel, and field trips. Topics may vary from semester to semester and must be approved by the social science chairperson.

ITD 200

- A Anthropology
- B Geography
- C History
- D Political Science
- E Education
- F Sociology
- G Travel/Study
- H Psychology

ITD 201 Special Topics in Humanities

1-3 Hours

Prerequisites: Consent of instructor

1-3 hours weekly ((1-3)-0)

This course provides a study of special topics and/or problems in humanities through reading, discussions, guided research, and field trips. Topics vary from semester to semester and must be approved by the humanities chairperson. On-site visitations and travel will be included.

ITD 204 Special Topics in Health & Public Service

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to explore the life and culture of other countries. Through an interdisciplinary approach, the history, cultural, and social aspects of other countries will be studied. On-site visitations and travel will be included.

ITD 205 Special Topics: Irish Studies

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Interdisciplinary study of Irish culture, with emphasis on literature and social change. Topics will include Irish history, mythology, poetry, film, politics, and sociology. The conflict between Great Britain and Ireland will be a major focus of the course.

ITD 206 Special Topics: Model Illinois Government

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course provides a study of special topics and problems through an interdisciplinary approach. Students prepare for and participate in the Model Illinois Government simulation located in Springfield, Illinois.

Journalism (JRN)

JRN 201 Newswriting and Editing I

IAI – MC 919

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to news writing includes basic techniques of news gathering, reporting, interviewing, computer-assisted reporting, editing, and layout. Some course-work may be published in the student newspaper, The Volunteer.

JRN 202 Newswriting and Editing II

3 Hours

Prerequisites: JRN 201

3 hours weekly (3-0)

A continuation of news gathering and writing skills. Coursework will be published in The Volunteer student newspaper. Assignments include investigative re-orting, computer-assisted reporting, and a site visit to a local media outlet.

JRN 210 Newspaper Production Practicum

1-3 Hours

Prerequisites: Consent of instructor

5-15 hours weekly (0-5 or 0-15)

Students earn credit by joining The Volunteer newspaper staff, increasing their proficiency in one or more of the tasks required to produce consistently a high-quality student newspaper. Volunteer staff members gain an understanding of the collaborative nature of newspaper work through active participation in one or more of the following areas: newswriting, editing, news photography, design, layout, and/or advertising.

Students use the resources available in and outside the newsroom to increase their skills.

JRN 215 Introduction to Mass Media

IAI – MC 911

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is an introduction to the various types of mass media, their effect on the public, their development, and ways in which the consumer can be perceptive and discriminating.

Laborer's (LBR)

The Construction Trades program is offered through a partnership with the Illinois Laborer's and Contractors as part of their Joint Apprenticeship and Training Program. Enrollment is restricted to new and current apprentices.

LBR 111 Orientation to Laborers Craft

2 Hours (Variable credit)

Prerequisites: Admission to Laborers' Apprenticeship Program

3 hours weekly (1-2 for 2 credit hours)

Work zone flagger training; sun sense, math review, back injury prevention, construction rigging and knot tying, hazard communication, drug and alcohol awareness.

LBR 112 Occupational Safety and Health

1 Hour (Variable credit)

Prerequisites: Admission to Laborer's Apprenticeship Program

2 hours weekly (.5-1.5 for 1 credit hour)

Occupational Safety and Health Act 29 CFR 1926, common causes of accidents and fatalities in industry. Students practice applications of standards.

LBR 113 Mason Tending

3 Hours (Variable credit)

Prerequisites: Admission to Laborers' Apprenticeship Program; First Aid/CPR Certification

4 hours weekly (2-2 for 3 credit hours)

The apprentice will be able to assist the mason by applying practice and procedures of mason tending including proper scaffolding, mortar and grout, mixing and forklift operation.

LBR 114 Concrete Practices and Procedures

3 Hours (Variable credit)

Prerequisites: Admission to Laborers' Apprenticeship Program

4 hours weekly (2-2 for 3 credit hours)

Concrete materials and mix proportions, tools and equipment used with concrete, finishing techniques, curing and protection of concrete.

LBR 115 Asphalt Technology and Construction

3 Hours (Variable credit)

Prerequisites: Admission to Laborers' Apprenticeship Program

4 hours weekly (2-2 for 3 credit hours)

Asphalt technology and construction flagger certification, manual tape application, paint striping operator, carbide asphalt grinder.

LBR 116 Apprenticeship I

3 Hours (Variable credit)

Prerequisites: Admission to Laborers' Apprenticeship Program

24 hours weekly (0-24 for 3 credit hours)

On-the-job component of Laborers' Apprenticeship Program; work related to skills learned in the classroom including mason tending, concrete procedures and asphalt use. All work activities performed under direct supervision of journeyman.

LBR 131 Principles of Pipelaying

3 Hours (Variable credit)

Prerequisites: LBR 111, 112, 113, 114, 115, 116, and second-year status in Laborers' Apprenticeship Program

4 hours weekly (2-2 for 3 credit hours)

Principles of pipelaying, including gravity flow piping systems, batterboards, sewer lasers, utility lines and grades, review of metric system.

LBR 133 Asbestos Abatement

3 Hours (Variable credit)

Prerequisites: LBR 111, 112, 113, 114, 115, 116, and second-year status in Laborers' Apprenticeship Program

4 hours weekly (2-2 for 3 credit hours)

Asbestos abatement principles and practices, approved by Illinois Department of Public Health/E.P.A. Accredited.

LBR 136 Apprenticeship II

3 Hours (Variable credit)

Prerequisites: Second-year status in Laborers' Apprenticeship Program

24 hours weekly (0-24 for 3 credit hours)

On-the-job component of Laborers' Apprenticeship Program; work related to skills learned in the classroom including mason tending, concrete procedures, asphalt use, pipelaying, asbestos abatement, and blueprint reading. All work activities performed under direct supervision of journeyman.

LBR 139 Highway Construction Plan Reading

3 Hours (Variable credit)

Prerequisites: None

3 hours weekly (3-0 for 3 credit hours)

The purpose of this course is to introduce the student to the various conceptual documents used in the construction process. The primary focus will concentrate on interpretation and visualization of construction blueprint and understanding and interpretation of construction specifications.

LBR 150 Basic Construction Surveying

3 Hours (Variable credit)

Prerequisites: None

3 hours weekly (3-0 for 3 credit hours)

The student will perform basic leveling operations necessary for line and grade checking of roadways and excavation projects. Techniques taught will include taping, differential leveling, contour plans, plan reading, grade checking, staking, and laser levels.

LBR 152 Bridges

3 Hours (Variable credit)

Prerequisites: LBR 131, 133, 136, LBR 139 and third-year status in the Laborers' Apprenticeship Program

4 hours weekly (2-2 for 3 credit hours)

Methods of bridge construction, renovation and demolition for the laborer.

LBR 153 Hazardous Waste

4 Hours (Variable credit)

Prerequisites: LBR 131, 133, 136, LBR 139 and third-year status in the Laborers' Apprenticeship Program

5 hours weekly (3-2 for 4 credit hours)

Hazardous waste training for the Laborers' Apprentice.

LBR 156 Apprenticeship III

3 Hours (Variable credit)

Prerequisites: Third-year status in Laborers' Apprenticeship Program

24 hours weekly (0-24 for 3 credit hours)

On-the-job component of Laborers' Apprenticeship Program; work related to skills

learned in the classroom including mason tending, concrete procedures, asphalt use, pipelaying, asbestos abatement, and blueprint reading, surveying, bridge construction and hazardous waste handling. All work activities performed under direct supervision of journeyman.

LBR 250 Labor Management Development

3 Hours (Variable credit)

Prerequisites: Journeyman status

3 hours weekly (3-0 for 3 credit hours)

Develop skills needed to serve as foreman on construction jobs. Includes leadership, motivation, documents, safety, planning and control, communication and conflict resolution.

LBR 251 Special Project I

3 Hours (Variable credit)

Prerequisites: Completion of trade certificate, consent of department chair

3 hours weekly (3-0 for 3 credit hours)

Designed by the student and supervisor to develop special skills and talents in the field of choice.

LBR 252 Special Project II

3 Hours (Variable credit)

Prerequisites: Completion of trade certificate, recommendation of apprenticeship instructor, consent of department chair

3 hours weekly (3-0 for 3 credit hours)

Designed by the student and supervisor to develop special skills and talents in the field of choice.

LBR 253 Special Project III

3 Hours (Variable credit)

Prerequisites: Completion of trade certificate, recommendation of union leadership, consent of department chair

3 hours weekly (3-0 for 3 credit hours)

Designed by the student and supervisor to develop special skills and talents in the field of choice.

LBR 271 Trade Apprenticeship I

3 Hours (Variable credit)

Prerequisites: Approval of department chair and appropriate union management

24 hours weekly (0-24 for 3 credit hours)

Supervisory and management projects and activities will be the primary emphasis of the class. On-the-job experience in the selected field. All work activities under direct supervision of a foreman. Activities will consist of the same as those required of a journeyman. Students may not receive credit for this course and the course in their trade curriculum.

LBR 272 Trade Apprenticeship II

3 Hours (Variable credit)

Prerequisites: Approval of department chair and appropriate union management

24 hours weekly (0-24 for 3 credit hours)

Supervisory and management projects and activities will be the primary emphasis of the class. On-the-job experience in the selected field. All work activities under direct supervision of a foreman. Activities will consist of the same as those required of a journeyman. Students may not receive credit for this course and the course in their trade curriculum.

LBR 273 Trade Apprenticeship III

3 Hours (Variable credit)

Prerequisites: Approval of department chair and appropriate union management

24 hours weekly (0-24 for 3 credit hours)

Supervisory and management projects and activities will be the primary emphasis of the class. On-the-job experience in the selected field. All work activities under direct supervision of a foreman. Activities will consist of the same as those required of a journeyman. Students may not receive credit for this course and the course in their trade curriculum.

LBR 274 Trade Apprenticeship IV

3 Hours (Variable credit)

Prerequisites: Approval of department chair and appropriate union management

24 hours weekly (0-24 for 3 credit hours)

Supervisory and management projects and activities will be the primary emphasis of the class. On-the-job experience in the selected field. All work activities under direct supervision of a foreman. Activities will consist of the same as those required of a journeyman. Students may not receive credit for this course and the course in their trade curriculum.

English as a Second Language (LIN)

LIN 101 English Composition I for International Students

3 Hours

Prerequisites: TOEFEL score of 520 + and concurrent enrollment in LIN 104

3 hours weekly (3-0)

Non-native speakers of English learn to write effective expository prose, focusing on particular second-language problems. The course emphasizes the use of standard English and appropriate sentence structures in unified, developed, and coherent paragraphs and essays. Writing assignments are based on assigned readings and require various patterns of development as students learn the writing process. The course also includes an introduction to research skills and research writing. This course is equivalent to ENG 101.

LIN 102 English Composition II for International Students

3 Hours

Prerequisites: LIN 101 and LIN 104

3 hours weekly (3-0)

Non-native speakers of English further develop skills in writing expository prose. LIN 102 is literature-based and includes documented research analysis of at least one of the literary genres (poetry, drama, or fiction). This course is equivalent to ENG 102.

LIN 104 Grammar for International Students

2 Hours

Prerequisites: TOEFEL score of 520+ and concurrent enrollment in LIN 101

2 hours weekly (2-0)

This course is an intensive review of English sentence structure and punctuation for non-native speakers. Students study the system of the English language and the rules that operate within that system. Since the course is taken concurrently with LIN 101, students have practical opportunities to apply their developing grammatical skills as they edit essays.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

Literature (LIT)

LIT 211 English Literature to 1750

IAI – H3 912

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

This is a survey of masterpieces of English literature from Beowulf through the end of the Neo-Classical Age.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 212 English Literature: Romanticism to the Present

IAI – H3 913

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

This is a study and analysis of selected works from the Romantic, Victorian, and Modern Eras.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 231 American Literature: 1492 to 1865

IAI – H3 914

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

This is a survey of American literature from the late seventeenth century to the mid-nineteenth century. The emphasis is on major writers of the Colonial, Enlightenment, and Romantic Periods. Students will study the extraordinary

emergence of American culture as they examine diverse religious, political, economic, and artistic ideas. Readings will include journals, letters, documents, speeches, essays, poetry, and fiction.

LIT 232 American Literature: 1865 to the Present

IAI – H3 915

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

This is a survey of American literature from the mid-nineteenth century through the twentieth century. The emphasis is on major writers of the Realistic, Naturalistic, and Modern Periods. Students will study the development of American culture from post-Civil War to contemporary times. Readings will include poetry, drama, essays, fiction, and literary criticism.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 235 The American Short Story

IAI – H3 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces students to a detailed study of the American short story. Students will increase their enjoyment and understanding of this literary form by reading a variety of texts and writers. Students are expected to use literary terms effectively and to analyze prose in class discussions and formal essays.

LIT 236 Introduction to Drama

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to deepen understanding, appreciation and ability to critically analyze drama, by reading, discussing and writing about plays from the ancient Greeks to modern theater. The focus will be on various dramatic forms, on the elements and structure of drama, and on the role of theater in effecting social change. Students are required to attend and critique a live dramatic performance.

LIT 264 Literature for Children

IAI – H3 918

3 Hours

Prerequisites: ENG 101 or better with a grade of “C” or higher.

3 hours weekly (3-0)

This course introduces students to the best that has been written for children or is appropriate for them. The coursework includes a study of the history of children’s literature, child development and literature, types of children’s literature, and methods of sharing literature with children. Classroom work will focus on the literary and artistic elements of the works. Students will learn to evaluate and select age-appropriate literature and extension activities for children from pre-school through middle school.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 275 The Art of the Cinema

IAI – F2 909

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

This survey course is a study of the art of motion pictures and will include not only a literary and historical approach to the motion picture industry, but also a study of the techniques of motion picture production. An essential part of the course is the requirement to understand cinematic and literary terms and their applications. The student is also expected to develop a concept of what constitutes excellence in film production.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 280 Introduction to Literature

IAI – H3 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course offers an introduction to fiction, poetry, and drama from a variety of time periods and cultural backgrounds. Students learn to interpret and critically analyze literature.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

LIT 281 Introduction to Mythology

IAI – H9 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to Mythology introduces students to the major mythological stories of various world cultures, particularly those of ancient Greece and Rome, with emphasis on the roles of the gods and of the major characters. The stories are analyzed for their recurring themes, their relationship to modern literature, and their influence on the culture of the Western world.

LIT 284 Ethnic Literature in America

IAI – H3 910D

3 Hours

Prerequisites: ENG 101

3 hours weekly (3-0)

This course is an introduction to contemporary ethnic literature with the primary focus on important Asian-American, African-American, Native American, and Latino writers. Students will explore critical socio-economic, political, and cultural themes with an emphasis on these concepts: the similarities and differences within and among ethnic groups, the changing demographics of America, the dynamic nature of ethnicity, and the effects of stereotyping.

LIT 295 Women in Literature

IAI – H3 911D

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces students to literary masterpieces written by female writers. By juxtaposing traditional and non-traditional roles for women, students discover how stereotypical images may be transcended. Students will read short fiction, poetry, and drama by a wide variety of writers to develop an understanding of the diversity within each of the literary genres and the multi-dimensional nature of women's selfhood through the ages.

Machine Tools (MAC)

MAC 150 Machine Tool Operations

2 Hours

Prerequisites: Concurrent enrollment in MAC 151, 152, 153

2 hours weekly (2-0)

This course is an introductory study of shop safety, measurement and layout techniques, drills and tapping procedures, materials and fasteners, hand tools, lathes, milling operations, beginning manual CNC part programming operations, and supportive equipment used in the machine tool industry.

MAC 151 Machine Tool laboratory

2 Hours

Prerequisites: MAC 150, IND 121, or consent of instructor

4 hours weekly (0-4)

This course provides laboratory experiences involved in basic drilling operations, machines, holding devices, taps, tapping, reaming, countersinking, counterboring, boring operations, mechanical hardware, and fastening devices as used by the machinist.

MAC 152 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 150, IND 121, or consent of instructor

4 hours weekly (0-4)

This course is designed to provide laboratory experiences emphasizing conventional turning processes. Turning operations using tapering, external and internal threading, four-jaw chucking procedures, indicating, radius turning, and turning between centers will be emphasized.

MAC 153 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 150, IND 121, or consent of instructor

4 hours weekly (0-4)

This course is designed to provide laboratory experiences using conventional vertical and horizontal milling techniques. The student will complete assignments with emphasis on milling set-ups, feeds and speeds, holding jigs and fixtures, flycutting, end milling, and indicating and alignment procedures necessary to develop skills in milling. Introductory CNC milling concepts will also be emphasized.

MAC 154 Introduction to CNC

2 Hours

Prerequisites: None

2 hours weekly (2-0)

An introductory course in the study of numerical control (NC) and computer numerical control (CNC) machine processes. Emphasis will be placed on NC fundamentals, punched tape controls, computer-controlled operations, basic machine codes, and manual part programming.

MAC 155 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 152, 153

4 hours weekly (0-4)

This course is a continuation of the study of precision measuring techniques with emphasis on the use of the surface plate, height gage, sine bar, gage blocks, layout procedures, and thread measurement. Advanced conventional and CNC turning and milling assignments will be used to apply these measuring skills.

MAC 156 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 152, 153

4 hours weekly (0-4)

A continuation study of the turning and milling machines with emphasis on conventional and CNC procedures. Assignments will be used that emphasize the cutting of threads, chucking procedures, holding devices, cutting speeds and feeds, horsepower requirements, offset boring, recessing, grooving, and tapering procedures.

MAC 157 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 156

4 hours weekly (0-4)

A continuation study of the turning and milling machines with emphasis on conventional and CNC procedures. Advanced chucking procedures, mandrel turning, indexing operations, offset boring, angular milling, and CNC machine techniques will be emphasized.

MAC 158 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 153, 154, 156

4 hours weekly (0-4)

A continuation study of the turning and milling machines with emphasis on conventional and CNC procedures. Emphasis will be placed on the CNC part program.

MAC 159 CAM Operations

2 Hours

Prerequisites: None

2 hours weekly (2-0)

A continuation of the study of CNC programming with emphasis on advanced milling and turning machine techniques, program set-up, carbide tooling, program editing, ISO/EIA program input, and introductory 3D machining techniques. Students will develop programs through the EZ-CAM 3D software and the EZ-TURN software. CNC machine applications will be applied in the development of projects through laboratory experiences.

MAC 160 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 157

4 hours weekly (0-4)

An advanced study of CNC lathe and milling processes with an emphasis on additional thread form turning, turning eccentrics, precision boring, ring grooving, and form tool cutting procedures.

MAC 161 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 156, 157

4 hours weekly (0-4)

An advanced study of CNC lathe and milling processes with emphasis on the use of the follow rest, steady rest, faceplate turning, carbide tooling, advanced threading, metric threading, and advanced four-jaw indicating procedures.

MAC 162 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 159, 160, 161

4 hours weekly (0-4)

An advanced study of CNC milling and lathe operations with emphasis on the use of the rotary table, sine plate, circular slot cutting, "T" slots, dovetail slots, form tool cuts, keyways, keyseats, and indicating procedures.

MAC 163 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 159, 160, 161

4 hours weekly (0-4)

A study of advanced CNC milling and lathe operations with emphasis on the use of indexing head procedures, direct, simple, and angular indexing, milling grooves, slots, locating of holes, precision gear cutting, and computer-aided machining applications.

MAC 164 Machine Tool Laboratory

2 Hours

Prerequisites: MAC 159, 160, 161

4 hours weekly (0-4)

An advanced study of computer numerical control with emphasis placed on the development of part programs using CAM computer programming and wire EDM programming applications. The computer set-up procedures, tool cycle data, geometry, tool path, verification, plotting, editing, up-loading, and down-loading programs will be emphasized.

MAC 180 Blueprint Reading

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course is designed for technical students, apprentices in the machine trades, and other personnel who must develop the basic skills required for visualizing and interpreting industrial prints in their jobs. Emphasis will be placed on industrial practice, types of drawings, geometric dimensioning, and the impact of computer drafting as related to the machine trades.

MAC 200 Machine Tool Laboratory

4 Hours

Prerequisites: None

8 hours weekly (0-8)

This course is designed to provide laboratory experiences in machine tool processes and procedures, and skills necessary for the industrial maintenance students. Emphasis will be placed on precision measuring, drilling processes, turning, milling, grinding, and beginning CNC processes as well as other maintenance and repair procedures.

Massage Therapy (MAS)

MAS 101 Introduction to Massage Therapy

3 Hours

Prerequisites: None

3 hours (3-0)

This course introduces the student to the many cultural histories of massage and the theories behind the various techniques they will be applying, including traditional Western (Swedish) massage, Oriental Theory, Relexology, and Shiatsu. It will also cover the benefits and effects of massage, clinical applications of massage, endangerment sites, cautions, and contraindications. There will be a brief introduction to business.

MAS 102 Massage Therapy I

5 Hours

Prerequisites: None

8 hours weekly (2-6)

Students are introduced to the fundamentals of applied massage, including Swedish massage techniques, draping, and appropriate oils and lotions. Areas of emphasis include ethics, client intakes, privacy regulations, techniques for beginning client assessments. Tai Chi and proper body mechanics are taught for the health and safety of the practitioner. This course also includes training in on-site seated massage, introductions to Neuromuscular Therapy (NMT), deep tissue, sports, Anma & Shiatsu.

MAS 103 Body Anatomy for Massage Therapy

5 Hours

Prerequisites: None

5 hours weekly (5-0)

This course is a detailed study of the muscles, bones, and tissues of human anatomy as they pertain to massage therapy. Emphasis is on learning the identification, origin, insertion, and actions of the muscles.

MAS 104 Anatomy and Physiology for Massage

5 Hours

Prerequisites: MAS 101, MAS 102, MAS 103

5 hours weekly (5-0)

This course will continue with a detailed study of muscles, bones, and tissues as they pertain to therapeutic massage with emphasis on the origin, insertion and action of muscles, including synergists and antagonists. It will also address the physiology and pathologies of the different body systems to help the student make informed decisions as to the appropriate application of massage therapy.

MAS 105 Massage Therapy II

5 Hours

Prerequisites: MAS 101, MAS 102, MAS 103, with a grade of "C" or higher

8 hours weekly (2-6)

Students will be instructed in advanced massage therapy techniques and appropriate applications including Shiatsu, deep tissue, neuromuscular technique (NMT), sports massage, stone massage and others. There will be continued instruction in Tai Chi, body mechanics and professional communication. Practice occurs in a supervised lab setting.

MAS 106 Advanced Massage Therapy

3 Hours

Prerequisites: MAS 101, MAS 102, MAS 103

3 hours weekly (3-0)

This course will explore theories behind the various advanced techniques in the field of massage such as Oriental theory, deep tissue, NMT, energy work, reflexology, and others. It will also cover the business side of the massage profession including marketing and bookkeeping.

MAS 107 Massage Clinic

4 Hours

Prerequisites: MAS 101, MAS 102, MAS 103 and CPR Certification

8 hours weekly (0-8)

This course provides the massage student with the opportunity to work in the clinical setting and in several on-site locations with supervised practice. Meeting times will vary.

MAS 108 Massage Therapy Clinic Practice

1.5 Hours

Prerequisites: MAS 101, MAS 102, MAS 103, BIO 105, and CPR Certification

3 hours weekly (0-3)

This course allows the massage student to gain additional experience in the clinical setting, with an emphasis on postural assessment, injury evaluation, and therapeutic exercise recommendations to be provided for clinic clients.

Mathematics (MAT)

MAT 051 Pre-Algebra

4 Hours

Prerequisites: None

4 hours weekly (4-0)

MAT 051 is designed as a review of the basic operations of arithmetic and an introduction to algebra. The student must earn a grade of "C" or higher in order to enroll in MAT 052. In addition, the student will need to enroll in MAT 052, MAT 061, and MAT 062 before progressing to transfer-level mathematics courses. This course will cover the integers, fractions and decimals; ratio, proportion and percent; prime numbers, factoring; exponents; and solving equations.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 052 Basic Algebra

4 Hours

Prerequisites: MAT 051 or equivalent with a grade of "C" or higher or assessment

4 hours weekly (4-0)

MAT 052 is designed for students with less than one year of high school algebra. The student must earn a "C" or higher in order to enroll in MAT 062. In addition, the student will need to successfully complete MAT 061 (or equivalent) and MAT 062 before progressing to transfer-level mathematics courses. This course covers the properties of real numbers; solving equations and inequalities in one variable; operations with polynomials in one variable as well as an introduction to polynomials in several variables; factoring polynomials leading to solving quadratic equations by factoring; operations with rational expressions and solving

rational equations; graphing linear equations in two variables, slope, and writing equations of lines; solving systems of linear equations; and radical notation, including solving radical equations.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 061 Basic Euclidean Geometry

3 Hours

Prerequisites: MAT 052 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 061 is designed for students who did not successfully complete at least one year of Euclidean geometry at the secondary level and therefore must fill this deficiency prior to completing the mathematics requirement for their degree from John A. Logan College. In order to help students think deductively, this course will emphasize logical reasoning, using geometric concepts and relationships as the vehicle to meet this goal. Topics include reasoning, basic logic theory, definitions, axioms, proofs, constructions, line and angle relationships, parallel lines, triangle congruency, and similarity theorems, quadrilaterals, circles, and area of polygons and circles. The ultimate purpose of this course is to help students learn to apply the principles of geometry, as well as enable them to develop logical and deductive thinking.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 062 Intermediate Algebra

5 Hours

Prerequisites: MAT 052 with a grade of “C” or higher or assessment

5 hours weekly (5-0)

MAT 062 is designed for students with less than two years of high school algebra. Students must earn a grade of “C” or higher in order to progress to transfer-level mathematics courses. This course will cover linear equations and inequalities; graphs of equations—both linear and nonlinear equations; functions and graphs; slope and equation of lines; systems of equations; operations with and factoring of polynomials; operations with rational expressions and solving rational equations; operations with radical expressions and solving radical equations; rational exponents; complex numbers; quadratic equations and graphs; exponential and logarithmic functions.

This is a developmental course which is used to calculate GPA at John A. Logan College, but does not transfer.

MAT 100 Mathematics for Applied Technologies

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a basic mathematics course for the vocational-technical student. It is not designed for college transfer. This course reviews and improves the practical and mathematical skills necessary for everyday calculations in a wide variety of trade, technical and other occupational areas, including automotive, electrical, construction, plumbing, HVAC and many more. This course begins with very basic mathematics and progresses through a minimal introduction to geometry and triangle

trigonometry while stressing a wide variety of real problems and situations to improve on-the-job mathematical skills.

MAT 104 Mathematics for Allied Health

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to prepare prospective Allied Health students in the areas of mathematics in which they must be proficient in order to accurately perform their duties as licensed Health Care professionals. Topics covered include the four basic arithmetic operations as applied to positive integers, fractions, mixed numbers, and decimals as well as metric measurements. Conversions among fractions, decimals, percents, ratios, and mixed numbers are also included. The majority of the course is devoted to real problems from pharmacology. The students are not allowed to use calculators in this course.

MAT 105 Vocational Mathematics

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a basic mathematics course for the vocational-technical student. It is not designed for college transfer. This course is designed to review and improve mathematical skills necessary for everyday calculations in the two-year technical programs. Starting from very basic mathematics, the course progresses through a minimal introduction to geometry while stressing the metric system and measurements.

MAT 108 College Algebra

4 Hours

Prerequisites: MAT 061 and MAT 062 both with a grade of "C" or higher or assessment

4 hours weekly (4-0)

MAT 108 is a general education mathematics course; however, it cannot be taken as the only mathematics course for the A. A. degree.

College Algebra gives in-depth study of graphs of equations, functions, transformations, and polynomial and rational functions. Exponential and logarithmic functions, systems of equations and inequalities, matrices, and determinants are also covered. College Algebra requires a thorough understanding of Intermediate Algebra.

MAT 109 College Trigonometry

3 Hours

Prerequisites: MAT 108 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 109 in conjunction with MAT 108 will fulfill the prerequisites for MAT 131, Calculus I. This course covers trigonometric functions and inverse trigonometric functions; solutions of right triangles and oblique triangles; trigonometric identities; trigonometric equations; and vectors.

MAT 111 Pre-Calculus

5 Hours

Prerequisites: MAT 061 and MAT 062 both with a grade of "C" or higher or assessment

5 hours weekly (5-0)

Topics included in this course are functions, graphs, and transformations; polynomial and rational functions; exponential and logarithmic functions; angles, right triangles, and

trigonometric functions and their inverses; trigonometric identities and equations; oblique triangles and vectors; conic sections; mathematical induction, and the binomial theorem.

MAT 113 Introduction to Contemporary

Mathematics

IAI – M1 904

3 Hours

Prerequisites: MAT 062 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 113 is a general education mathematics course which fulfills 3 hours of the core curriculum's mathematics requirement. Designed particularly for the non-science major, the course focuses on mathematical reasoning and solving of real-life problems, rather than on routine skills. Three or four of the following topics will be studied in depth: counting techniques and probability, game theory, geometry (additional topics beyond the prerequisite), graph theory, linear programming (including functions and graphs), sets and logic, mathematical modeling, the mathematics of finance, and statistics.

MAT 116 Finite Mathematics for Business and Management

IAI – M1 906

3 Hours

Prerequisites: MAT 108 with a grade of "C" or higher or assessment

3 hours weekly (3-0)

While MAT 116 may be used to fulfill part of the 6 hours general education mathematics requirement for the A. S. degree at John A. Logan College, it is designed primarily for

economics, business administration and accounting majors. Those students will be required to take a calculus course to complete their mathematics sequence. MAT 116 will fulfill the mathematics requirement for the A. A. degree. Topics covered include functions and lines, linear systems, linear programming, the Simplex Method, mathematics of finance, set theory, and probability. MAT 116 is not designed for mathematics or science majors.

MAT 117 Calculus for Business and Social Sciences

IAI – M1 900-B

4 Hours

Prerequisites: MAT 108 with a grade of “C” or higher or assessment

4 hours weekly (4-0)

MAT 117 is designed especially for business administration and accounting majors. MAT 117 does not count toward a major or minor in science-related areas. Students who successfully complete this course fulfill the general education mathematics requirement at John A. Logan College. MAT 117 may be taken before or after MAT 116; however, it is recommended that it be taken immediately after College Algebra (MAT 108). Topics covered include graph sketching and recognition, and differentiation and integration of polynomial, rational, exponential, and logarithmic functions. Applications from the worlds of business and social science are emphasized.

MAT 120 Elementary Statistics

IAI – M1 902

3 Hours

Prerequisites: MAT 062 with a grade of “C” or higher or assessment

3 hours weekly (3-0)

MAT 120 is a general education mathematics course which fulfills 3 hours of the core curriculum mathematics requirement. The course introduces the basic properties of descriptive and inferential statistics, basic probability theory, probability distributions, graphing, measures of location and variation, linear regression and correlation. Emphasis is placed on the application of statistics, distributions, and regression analysis.

MAT 125 Discrete Structures (Also CPS 202)

IAI – M1 905, IAI – CS 915

3 Hours

Prerequisites: MAT 108 or MAT 111 either with a grade of “C” or higher or assessment

3 hours weekly (3-0)

MAT 125 is a general education mathematics course which fulfills 3 hours of the core curriculum mathematics requirement. It will lay the groundwork for students interested in computer arithmetic, sets, relations and functions, logic, Boolean algebra, elementary matrix operations, combinations, permutations, counting techniques, and basic concepts of probability. **MAT 125 is ordinarily offered in the fall semester in odd numbered years.**

MAT 131 Calculus I

IAI – M1 900-1, IAI – MTH 901

5 Hours

Prerequisites: MAT 109 or MAT 111 either with a grade of “C” or higher or assessment

5 hours weekly (5-0)

MAT 131 will cover the basic concepts and techniques of single variable calculus. Although careful definitions and statements will be given, emphasis on formal proof will be minimal. Topics will include limits and their properties, differentiation of single variable functions, integration of elementary functions, and several applications of differentiation and integration associated with analytic geometry and physics. Students who successfully complete this course fulfill the general education mathematics requirement of John A. Logan College.

MAT 201 Calculus II

IAI – M1 900-2, IAI – MTH 902

5 Hours

Prerequisites: MAT 131 with a grade of “C” or higher.

5 hours weekly (5-0)

MAT 201 is a continuation of MAT 131. Students who successfully complete this course fulfill the general education mathematics requirement of John A. Logan College. Topics include integration, methods of integration, applications of integration, infinite series, power series, polar coordinates, parametric equations, and introduction to three-dimensional and integral calculus.

MAT 202 Calculus III

IAI – M1 900-3, IAI – MTH 903

3 Hours

Prerequisites: MAT 201 with a grade of “C” or higher

3 hours weekly (3-0)

MAT 202 is an introduction to multivariable calculus. Topics include vectors in two and three dimensions; vector operations; planes and lines in space; cylinders, quadric surfaces, and surfaces of revolution; cylindrical and spherical coordinates; vector-valued functions (space curves); limits, continuity, differentiation, differentials, iterated integrals, double integrals, triple integrals and applications of functions of two or three variables; optimization using Lagrange multipliers; directional derivatives, gradients, and the Jacobian.

MAT 205 Differential Equations

IAI – MTH 912

3 Hours

Prerequisites: MAT 201 with a grade of “C” or higher

3 hours weekly (3-0)

MAT 205 is an introduction to differential equations. Topics include standard solution techniques for first order linear, separable, exact, and/or homogeneous equations; standard solution techniques for homogeneous second and higher order equations with constant coefficients; linear independence of solutions; the Wronskian; the methods of reduction of order, undetermined coefficients and variation of parameters; Cauchy-Euler equations; the existence and uniqueness of solutions; the Laplace transform, transfer and impulse response functions. Further topics may

be chosen from system and plane analysis, Newtonian mechanics, RLC circuit analysis, power series methods, numerical methods, stability of solutions, the heat equation and Fourier Series, or Bessel functions. **MAT 205 is offered in the spring semester only.**

MAT 208 Math for Elementary Teachers I

3 Hours

Prerequisites: MAT 061 and MAT 062 both with a grade of "C" or higher or assessment

3 hours weekly (3-0)

MAT 208 is the first of two courses in the mathematics sequence required for elementary and/or special education majors. It covers sequences, problem solving, set theory, logic, numeration systems and whole numbers, integers, number theory, rational numbers, irrational numbers, and the real number system. In order to receive credit, the student must earn a grade of "C" or higher.

MAT 209 Math for Elementary Teachers II

IAI – M1 903

3 Hours

Prerequisites: MAT 208 with a grade of "C" or higher

3 hours weekly (3-0)

MAT 209 is the second of two courses in the mathematics sequence required for elementary and/or special education majors. The completion of the two course sequence (MAT 208 and MAT 209) will meet the general education mathematics core requirement. It includes percent, real numbers, probability, statistics, geometric figures, congruencies, similarities, concepts of measurement (including the metric system), and coordinate geometry. In order to receive credit, the student must earn a grade of "C" or higher.

MAT 221 Introduction to Linear Algebra

IAI – MTH 911

3 Hours

Prerequisites: MAT 201 with a grade of "C" or higher

3 hours weekly (3-0)

MAT 221 is an introduction to the theory and application of linear algebra. Topics include: vectors; operations on matrices; matrices; inverse of a matrix; solution of systems of linear equations; rank of a matrix; vector spaces and subspaces; linear dependence and independence; basis and dimension; linear transformations; sums, composites, inverses of linear transformations; range and kernel of a linear transformation; proof; determinants; eigenvalues and eigenvectors; orthogonality and inner product spaces. Emphasis is placed on the application of linear algebra and formal verification of theoretical properties.

Applications include polynomial curve fitting, network analysis, stochastic matrices, Leontief Input-Output models, least squares regression analysis, eigenvalue problems, applications in analytic geometry, and least squares approximations. **MAT 221 is ordinarily offered in the spring semester in even numbered years.**

MAT 282 Statistics

IAI – M1 902

3 Hours

Prerequisites: MAT 108 with a grade of “C” or higher or assessment

3 hours weekly (3-0)

MAT 282 is designed to meet the needs of students requiring a statistics course with a college algebra prerequisite in their programs. Topics include descriptive statistics, including graphical and numerical, basic probability theory, probability distributions, inferences involving estimation, and hypothesis testing, correlation and regression, and analysis of variance. **MAT 282 is ordinarily offered in the summer semester only.**

Medical Assistant (MDA)

MDA 120 Introduction to Medical Assisting

3 Hours

Prerequisites: NAD 101

3 hours weekly (3-0)

This course lays a foundation for the completion of the MDA program by presenting broad aspects related to each component of being an entry-level professional medical assistant. The course orients students to the clinical, clerical, and content-based areas of front and back office practices, along with the primary scientific and psychological concepts underlying a competent medical assistant's career. This course transitions from the NAD 101 CNA training. Students will be able to evaluate their potential to succeed as a medical assistant.

MDA 122 Medical Office Procedures

4 Hours

Prerequisites: BUS 115, NAD 101, both with a grade of "C" or higher and admission to the Medical Assistant Program.

5 hours weekly (3-2)

The core competencies needed to efficiently manage the front office in a health-care setting will be emphasized in this course.

Communication skills for oral and written business transactions, electronic technology applications, bookkeeping procedures, legal concepts, medical records and facility management; community resources; and the frameworks for quality control and assurance are covered.

MDA 124 Medical Terminology and Coding

3 Hours

Prerequisites: Admission to the Medical Assistant Program or the instructor's consent.

3 hours weekly (3-0)

The basic structure of medical words, including the applications of medical terminology; a general overview of the current diagnostic and procedural CPT/ICD-9 coding protocols and medical practice reimbursements are presented in this course.

MDA 126 Introduction to Electronic Health Records

2 Hours

Prerequisites: Student must meet existing MDA enrollment criteria in order to enter this course.

3 hours weekly (1-2)

This course introduces students to the concepts and features of electronic health records system as it applies to their career as Medical Assistants in the ambulatory care setting. Students will learn to navigate through and understand EHR practice systems to ensure that they build skills that will transfer to a variety of EHR systems that they will encounter in their careers.

MDA 130 Pharmacology

3 Hours

Prerequisites: BIO 105, MDA 120, MDA 122, MDA 124, Mathematics placement score above the College's developmental level or MAT 051 or higher, or MAT 104 with a grade of "C" or higher.

4 hours weekly (2-2)

Basic pharmacological considerations commonly seen in outpatient settings, including the proper techniques and calculations involved

in the selection, preparation, administration, and monitoring of medications given via oral and parenteral (excluding IV) routes are covered in this course.

MDA 132 Medical Clinic Procedures

4 Hours

Prerequisites: BIO 105, MDA 120, MDA 122, MDA 124 and admission to the Medical Assistant Program or consent of the program director.

5 hours weekly (3-2)

The fundamental tasks and procedures related to the clinical operations in an ambulatory healthcare facility are presented in this course. Course components include the theory related to clinical procedures involving patient care and instructions; assisting with specialty examinations and procedures and office/ambulatory surgery; rehabilitation and therapeutic modalities; nutrition in health and disease; and diagnostic testing.

MDA 133 Medical Office Laboratory Procedures

2 Hours

Prerequisites: BIO 105, MDA 120, MDA 122, MDA 124 and admission into the Medical Assistant program or consent of the program director.

3 hours weekly (1-2)

Medical Office Laboratory Procedures introduces the medical assistant student to standard laboratory procedures within a medical office. Health and safety guidelines, types of laboratory testing, quality control, specimen collection, and uses of microscopes are included. Students will learn basic phlebotomy techniques and perform collection methods. Hematology, urinalysis, basic

microbiology, and other specialty laboratory tests are reviewed.

MDA 134 Externship

3 Hours

Prerequisites: BIO 105, MDA 120, MDA 122, MDA 124, MDA 130, MDA 132, and MDA 133 with a minimum grade of "C".

11 hours weekly (1-10)

This course is a practical externship at ambulatory health care sites designed to reinforce classroom theory and applications for medical assisting students to gain hands-on experience.

Manufacturing Technology (MFT)

MFT 101 Production Technology

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course introduces the student to production technologies. It will include the study of computers, CAD, CAM, industrial robots, PLCs, CNC applications, materials handling, inspection by vision, production, planning, scheduling, purchasing, inventory management, and other processes that insure optimum productivity. The student will gain an understanding of how these entities must be integrated for the total production system.

MFT 103 Industrial Robots and PLCs

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This course introduces the student to industrial robots. Included is the operation of PLCs. The student will learn ladder diagram programming of PLCs and point-to-point programming for industrial robots. The student will also write programs to integrate various equipment using the PLCs.

MFT 110 Statistical Process Control

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to give students an understanding of quality and the use of statistical process control. Topics covered in this class include: quality, bar charts, Pareto diagrams, histograms, X-R charts, I-R charts, P charts, and process capability.

MFT 201 PLC Manufacturing Systems

3 Hours

Prerequisites: MFT 103 and ELT 100 or 102 or consent of instructor

5 hours weekly (1-4)

This course gives the student hands-on experience with PLC systems. Included are certain technical and internal integration technologies utilizing automated manufacturing systems to demonstrate how CIM works in application. Supporting equipment will also be used.

Management (MGT)

MGT 112 Principles of Management

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to introduce the concepts, terminology, principles, practices, and techniques of management. Emphasis is placed on managing in a diverse, global, technologically driven, fast-changing economic environment.

The four basic management functions of planning, organizing, leading and controlling will be explored in the course.

MGT 228 Small Business Management

3 Hours

Prerequisites: BUS 110

3 hours weekly (3-0)

Attention is focused upon the proper procedures for developing and operating a profitable small business, both Internet and brick and mortar. Students will be introduced to the types of decisions faced by entrepreneurs and managers in on-going firms, and the application of professional business disciplines.

Marketing (MKT)

MKT 113 Principles of Marketing I

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory course designed to expose the student to today's marketing in the new millennium and keeping up with change. This course contains the study of the contemporary marketing environment; managing technology to achieve marketing success; marketing planning, information, and segmentation; customer behavior; product strategy; distribution strategy; promotional strategy; and pricing strategy.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

MKT 130 Sales I

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A course in the theory and application of professional salesmanship. Modern techniques for making a sale are taught including prospecting, preapproach, approach, presentation, handling objections, proper closings, follow-up and customer service. Also involved is a study of building partnerships, ethics, global and cultural diversity and technology.

MKT 224 Advertising

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An analysis of the principles and practices used in the various types of modern day advertising. Principles of advertising, involving an application of planning, financing, and managing a campaign. Emphasis is placed on the effectiveness of advertising in the total marketing structure.

MKT 290 International Marketing

3 Hours

Prerequisites: MKT 101

3 hours weekly (3-0)

Summarizes the significance and benefits of international marketing to the U. S. The student will be able to state the importance of cultural, legal, economic and environmental factors in marketing. Identifies marketing mix options for specific world markets. Evaluates the effect of tariffs, quotas, subsidies, nationalization, and state-owned corporations on growth of world trade. Analyzes foreign markets through secondary research (Internet). Organizes and administers global marketing activities. Develops a portfolio for marketing a product in a foreign market.

Medical Laboratory Technology (MLT)

MLT 120 Introduction to Clinical Laboratory

3 Hours

Prerequisites: Admission to Medical Laboratory Technology Program

4 hours weekly (2-2)

Acquaints the student with the profession of medical laboratory technology. Includes an overview of the major disciplines in laboratory medicine, basic laboratory mathematics, collection and handling of specimens, handling and care of laboratory equipment, preparation of solutions and media, methods of sterilization, and the basic elements of quality control. The student is introduced to the disciplines of hematology, immunohematology, clinical chemistry, urinalysis, and microbiology.

MLT 121 Serology

1.5 Hours

Prerequisites: MLT 120

2 hours weekly (1-1)

An introduction to immunology with emphasis on applied serology. The immune response, properties and synthesis of antibodies, antigens, and antibody reactions, and the serological procedures most widely performed in the clinical laboratory are the major topics for discussion.

MLT 122 Clinical Microscopy

1.5 Hours

Prerequisites: MLT 120

2 hours weekly (1-1)

A study of the theory and microscopic examination of urine and other body fluids (i.e.,

synovial fluid, thoracentesis fluid, semen, and gastric fluid).

MLT 123 Phlebotomy

3 Hours

Prerequisites: Successful completion ("C" or higher) in MLT 120

4 hours weekly (2-2)

MLT Phlebotomy covers the phlebotomist's role in health care, confidentiality and ethics; Patient's Bill of Rights; Quality Assurance; basic anatomy and physiology of the circulatory system, safety, infection-control, isolation techniques; OSHA standards; handling accidental needle stick exposures; phlebotomy equipment; phlebotomy technique on routine venipunctures, dermal punctures, and drawing difficult patients; specimen collection and handling techniques; compliance; customer service; patient identification procedures; and competency in phlebotomy. In addition, the student will learn the theory of arterial punctures, but will observe only, in the clinical setting. The student will perform 100 venipunctures during the eight weeks of clinical rotation for recommended experience and competency as well as specimen collection and handling procedures.

MLT 223 Immunoematology

4 Hours

Prerequisites: MLT 121, 122

5 hours weekly (3-2)

A study of the blood groups of mankind and their significance in bloodbanking and transfusion services. Included are the inheritance and properties of blood group antigens and their corresponding antibodies, methods of detection and identification, hemolytic disease processes, and the collection and processing of blood and blood components to ensure safe transfusion. Blood group immunology, record keeping, and quality control are stressed.

MLT 225 Clinical Chemistry

4 Hours

Prerequisites: MLT 223

5 hours weekly (3-2)

A study of the diagnostic chemistry tests in the average clinical laboratory. Includes normal physiology, principles of the reactions and interpretation of test results. Includes basic instrumentation, laboratory mathematics, and quality control.

MLT 228 Hematology and Hemostasis

5 Hours

Prerequisites: MLT 120, MLT 121, MLT 122, MLT 123

6 hours weekly (4-2)

This course offers an introduction to the study of clinical hematology and hemostasis, which emphasizes the basic procedures performed in most clinical laboratories as well as their uses in the diagnosis and follow up of hematological and coagulation disorders. The role of the laboratory in the diagnosis of anemias,

leukemias, myeloproliferative disorders, and other diseases affecting the hematopoietic system is stressed along with the hemostatic component, coagulation factors, coagulation cascade mechanism, heredity and acquired bleeding disorders, coagulation factor deficiencies, therapeutic regimes, and laboratory methods for analysis of clinical conditions.

MLT 229 Applied Clinical Microbiology

5 Hours

Prerequisites: MLT 223, MLT 228, MLT 251

6 hours weekly (4-2)

This course is a study of the normal and pathogenic microflora of man with an emphasis on the methods used for isolation, recognition and identification of microorganisms of medical significance. Included are the types of media used for culturing microorganisms, descriptive cellular and colonial morphology, stains and staining reactions, drug susceptibility testing and procedures used for species identification. Emphasis on host parasite relationships, medical bacteriology, virology, parasitology, and mycobacteria is also stressed.

MLT 251 Clinical Rotation I

3 Hours

Prerequisites: MLT 223

15 clinical hours (0-15)

Supervised clinical experience. Students rotate in hematology/coagulation and immunoematology during the last 6 ½ weeks of the semester.

MLT 252 Clinical Rotation II

3 Hours

Prerequisites: MLT 251

15 clinical hours (0-15)

Supervised clinical experience. Students rotate in clinical chemistry/clinical microscopy, and clinical microbiology/serology.

Music (MUS)

MUS 101A Choral Ensemble

1 Hour

Prerequisites: None

3 hours weekly (0-3)

The John A. Logan College Choral Ensemble is a non-auditioned performance ensemble. The choir performs many times throughout the year including, but not limited to a Holiday Collage, Spring Concert, Spring Musical, and various outside arenas. Musical selections are chosen from a wide variety of repertoire representing styles from the early Renaissance through the 21st century. Music majors are required to take one faculty-supervised ensemble every semester of enrollment.

MUS 102A Chamber Ensemble

1 Hour

Prerequisites: Consent of instructor

3 hours weekly (0-3)

The John A. Logan College Chamber Ensemble, also known as the Logan Singers, is open to a limited number of auditioned singers. It is designed to give students experience with choral music specifically written for small groups. Outside of presentations with the Choral Ensemble, the Logan Singers will often perform at area civic and community events as well as public relations venues.

MUS 103 Symphonic Band

1 Hour

Prerequisites: None

3 hours weekly (0-3)

This class is designed to give students the opportunity to prepare and perform as a part of a symphonic band. As a part of the course, students will give public performances throughout the semester.

MUS 105 Music Appreciation

IAI – F1 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Music Appreciation is designed to familiarize the student with outstanding works of musical composition by means of recordings. This includes an emphasis on the elements of music, various musical forms and periods, and great composers and performers from antiquity through the 21st century.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

MUS 106 Beginning Class Piano I

1 Hour

Prerequisites: None

2 hours weekly (0-2)

A class designed to teach basic musical information and keyboard skills with actual keyboard instruction. Available in the piano laboratory. Elementary education or child care students will find this class particularly useful.

MUS 108 Aural Skills I

1 Hour

Prerequisite: Must be taken in sequence

2 hours weekly (0-2)

MUS 108 is the first in a four-semester sequence of courses in which music majors need to enroll each term. It is the accompanying course of MUS 121. It includes the sequential development of ear training, sight singing, and dictation and may include piano keyboard-assisted instruction.

MUS 109 Aural Skills II

1 Hour

Prerequisites: Must be taken in sequence

2 hours weekly (0-2)

MUS 109 is the second in a four-semester sequence of courses in which music majors need to enroll each term. It is the accompanying course of MUS 122. It includes the sequential development of ear training, sight singing, and dictation and may include piano keyboard-assisted instruction.

MUS 110 Music Fundamentals

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Music Fundamentals is designed for the student who desires knowledge of the basic concepts of rhythm, notation, music reading, scales, chords, and other theoretical applications of music. It assumes no previous knowledge or formal training.

MUS 111 Applied Music*

1 Hours

Prerequisites: Must be taken in sequence

2 hours weekly (0-2) for 1 credit

Private instruction, a weekly half-hour lesson in the classical instrument of choice, commensurate with the student's current ability. Lessons incorporate representative solo and study materials and a basic knowledge of appropriate literature. Students will develop basic knowledge through advanced performance skills. This course is intended for non-music majors, music majors needing further development on their major instrument before taking 200-level courses, music majors fulfilling secondary instrumental study, or students desiring to improve their performance skills for reasons of personal enrichment. Students are required to practice a minimum of two hours per week, maintain a Weekly Practice Log, and perform at a semester-end jury examination. A student may take up to four semesters of the same instrument for college credit. Students should consult with the Applied Lessons Coordinator to begin lessons.

*Applied Music Sections:

A	Voice	L	Saxophone
B	Piano	M	Percussion
C	Organ	N	French Horn
D	Violin	O	Trumpet
E	Viola	P	Trombone
F	Cello	Q	Tuba
G	String Bass	R	Baritone
H	Flute	S	Harpsichord
I	Oboe	T	Guitar
J	Clarinet	U	Piccolo
K	Bassoon	V-Z	Other

Some Applied Music courses are also offered as part of the study abroad program. Contact the International Education Coordinator for more information.

MUS 117 Symphonic Band

1 Hour

Prerequisites: None

2 hours weekly (0-2)

This class is designed to give students the opportunity to prepare and perform as part of a symphonic band. As part of the course, students will give public performances throughout the semester.

MUS 118 Band

1 Hour

Prerequisites: None

3 hours weekly (0-3)

Students will gain practical experience in the rehearsal and public performance of the best in band literature. Open to all students. Students may take up to four semesters of this ensemble for college credit.

MUS 119 Orchestra

1 Hour

Prerequisites: None

2 hours weekly (0-2)

Students will gain practical experience in the rehearsal and public performance of the best in orchestral literature. Open to all students. Students may take up to four semesters of this ensemble for college credit.

MUS 121 Theory of Music

3 Hours Each

Prerequisites: Students will be given a music theory assessment during the first week of class. Students not meeting minimum criteria will be required to enroll in MUS 110 in conjunction with MUS 121.

3 hours weekly (3-0)

A course for the student who desires in-depth knowledge of the rules and principles involved in part writing. Studies the 17th century techniques of writing music. MUS 108 and 109 are companion courses and must be taken the same semester as MUS 121 and MUS 122.

MUS 122 Theory of Music

3 Hours Each

Prerequisites: Fundamentals of Music (MUS 110) is required or proficiency must be passed.

3 hours weekly (3-0)

A course for the student who desires in-depth knowledge of the rules and principles involved in part writing. Studies the 17th century techniques of writing music. Required for music majors and minors. MUS 108 and 109 are companion courses and must be taken the same semester as MUS 121 and MUS 122.

MUS 123 Music Ensemble

1 Hour

Prerequisites: Consent of instructor

3 hours weekly (3-0)

Students may acquire no more than four hours credit and not more than two hours per year. Hours are to be secured for participating in musical activities. Designed to provide students with a combination of instrumental and vocal music experience and to develop skills in concentrated areas of music. Students may receive the opportunity to participate in musicals such as Lil Abner, The Fantastics, Showboat, Oklahoma, Charlie Brown, The Wizard of Oz, Little Mary Sunshine, Paint Your Wagon, Annie Get Your Gun, and Man of LaMancha.

MUS 208 Aural Skills III

1 Hour

Prerequisites: MUS 109. Must be taken in sequence.

2 hours weekly (0-2)

MUS 208 is the third in a four-semester sequence of courses in which music majors need to enroll each term. It is the accompanying course of MUS 221. It includes the sequential development of ear training, sight singing, and dictation and may include piano keyboard-assisted instruction.

MUS 209 Aural Skills IV

1 Hour

Prerequisites: MUS 208

2 hours weekly (0-2)

MUS 209 is the fourth and final class of a four-semester sequence of courses in which music majors need to enroll each term. It is the accompanying course of MUS 222. It includes the sequential development of ear training, sight singing, and dictation and may include piano keyboard-assisted instruction.

MUS 211 Applied Music*

2 Hours

Prerequisites: Must be taken in sequence

4 hours weekly (0-4) for 2 credits

Private instruction, a weekly one-hour lesson in the classical instrument of choice, commensurate with the student's current ability. Lessons incorporate representative solo and study materials and a basic knowledge of appropriate literature. Students will develop basic knowledge through advanced performance skills. This course is intended for music majors on his/her primary instrument or for students seriously interested in improving

their performance skills. Students are required to practice a minimum of four hours per week, maintain a Weekly Practice Log, and perform at a semester-end jury examination. A student may take up to four semesters of the same instrument for college credit. Students should consult with the Applied Lessons Coordinator to begin lessons.

*Applied Music Sections:

A	Voice	L	Saxophone
B	Piano	M	Percussion
C	Organ	N	French Horn
D	Violin	O	Trumpet
E	Viola	P	Trombone
F	Cello	Q	Tuba
G	String Bass	R	Baritone
H	Flute	S	Harpsichord
I	Oboe	T	Guitar
J	Clarinet	U	Piccolo
K	Bassoon	V-Z	Other

MUS 218 Advanced Community Band

1 Hour

Prerequisites: Must have at least two years experience on their instrument and have the ability to play the music of an advanced instrumental organization.

2 hours weekly (0-2)

Students will experience musicianship, music interpretation, styles, music from the various music historical periods, proper tone production, color, balance, blend, intonation, dynamics, music of the various idioms, rhythm, music of various ethnic origins, and proper stage presentation as defined by professional

musicians. Students will experience concert preparation.

MUS 219 Advanced Community Orchestra

1 Hour

Prerequisites: Must be proficient on their instrument and have the ability to play the music of the orchestral ensemble. Since this is an orchestral ensemble, all-proficient string players are accepted. Brass, winds, and percussion players are accepted as positions become available.

2 hours weekly (0-2)

Students will experience musicianship, music interpretation, proper tone production, color balance, blend, intonation, dynamics and rhythm. Students will also learn proper rehearsal and concert preparation skills. Students will also be exposed to a variety of different musical styles, historical periods, and ethnic origins and give the students a variety of experiences in performing at different of musical events as selected and scheduled by the orchestra conductor.

MUS 221 Advanced Theory of Music I and

MUS 222 Advanced Theory of Music II

3 Hours

Prerequisites: Must have completed MUS 121 and 122 and taken in sequence

3 hours weekly (3-0)

Advanced course in continuing sequence to MUS 121 and 122. Companion courses are MUS 208 and 209.

MUS 225 Music Literature/History

IAI – F1 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Music Literature/History provides an introduction to the standard concert repertory through intensive guided listening. Representative works by major composers are chosen to illustrate the principal styles, forms, and techniques of vocal and instrumental music. It is a preparatory course for the professional study of music and assumes a fundamental knowledge and understanding of the elements of music.

Nursing Assistant Training (NAD)

NAD 101 Nursing Assistant Training

7 Hours

Prerequisites: None

10.5 hours weekly (5.5-5)

This course is designed to train students to be competent in skills necessary for the nursing assistant to function successfully in a hospital, long-term care facility, or other health care facilities. The nursing assistant will provide services related to the comfort and welfare of the resident under direct supervision of the licensed nurse or physician. Some topics to be covered include body mechanics, transfer techniques, basic anatomy and physiology, personal care, vital signs, rehabilitation, death, Alzheimer patient care, dying, and post-mortem care. Cardiopulmonary resuscitation is also included.

Orientation (ORI)

ORI 100 College 101

1 Hour

Prerequisites: None

2 hours weekly (1-0)

This course is designed to help students in their transition to college. Students will learn about the resources and services available at John A. Logan College, as well as the expectations of being a college student.

Occupational Therapy Assistant (OTA)

OTA 110 Clinical Observation

2 Hours

Prerequisites: BIO 205 and Admission to the Occupational Therapy Assistant Program

4 hours weekly (1-3)

This Level I Fieldwork experience provides the student introductory contact with persons of differing age and ability levels. Students will be rotated through approved agencies and centers and begin, under supervision, to practice: (1) critical observation of abilities and disabilities within physical, emotional, cognitive, and social domains; and (2) therapeutic communication techniques.

OTA 112 Activities of Daily Living

3 Hours

Prerequisites: OTA 110, 130, 131, 132, 210

5 hours weekly (2-3)

Basic self-care skills of feeding, hygiene, and dressing, independent living skills of communication, home management, architectural barrier modification, and community resources are stressed. Adaptation to equipment and assistive devices necessary to perform ADL tasks are reviewed.

OTA 120 Occupational Therapeutic Media

3 Hours

Prerequisites: OTA 110, 130, 131, 132, 210

5 hours weekly (2-3)

Theory and practice of selected creative manual arts, includes learning basic skills, concepts of activity analysis in practical application, instruction of individuals and groups, problem-solving, therapeutic application, and laboratory and equipment maintenance.

OTA 122 Occupational Therapy Group Process

2 Hours

Prerequisites: OTA 110, 130, 131, 132, 210

4 hours weekly (1-3)

Exploration of the use of groups in occupational therapy treatment. Occupational therapy models of practice and protocol across the lifespan are emphasized. Group leadership, group facilitation, and activity selection skills will be developed.

OTA 130 Introduction to Occupational Therapy

2 Hours

Prerequisites: BIO 205 and Admission to Occupational Therapy Assistant Program

2 hours weekly (2-0)

Overview of the profession with emphasis on its history, philosophy, and organization. Explores the role of occupational therapy personnel and domain of treatment. Students are introduced to the Occupational Therapy Practice Framework.

OTA 131 Disease and Impact on Occupation

3 Hours

Prerequisites: BIO 205 and Admission to Occupational Therapy Assistant Program

3 hours weekly (3-0)

This course provides an overview of the etiology, clinical course, management, and prognosis of congenital and developmental disabilities, acute and chronic disease processes, and traumatic injuries, and examines the effects of such conditions on occupational performance throughout the lifespan as well as explores the effects of wellness on the individual, family, culture, and society.

OTA 132 Occupational Development

1 Hour

Prerequisites: BIO 205 and Admission to the Occupational Therapy Assistant Program

3 hours weekly (0-3)

Occupational Development is an overview of movement development and movement patterns required for the participation in occupations. An introduction to Occupational Therapy Practice Framework and theories that impact movement and occupational participation are also presented. The course explores the general to more specific aspects of movement development for occupational performance.

OTA 133 Clinical Rotation I

1 Hour

Prerequisites: OTA 110, 130, 131, 132, 210

3 hours weekly (0-3)

This Level I Fieldwork experience is designed to build Physical Disabilities clinical skills with the student. Students will complete in-class laboratory as well as assigned clinical rotations in select physical disability settings. The course will focus on preparatory (including Physical Agent Modalities), purposeful and occupational treatment techniques for orthopedic and neurological disabilities. In the clinic students will provide hands-on therapy under the direct, line-of-sight supervision of a qualified occupational therapy practitioner. Students will begin the process of developing treatment plans and procedures, adapting equipment, and activities.

OTA 134 OT in Physical Disabilities

3 Hours

Prerequisites: OTA 110, 130, 131, 132, 210

5 hours weekly (2-3)

Overview of occupational therapy theory and techniques as they relate to medical conditions referred to occupational therapy; coverage of etiology, body systems affected, residual effects and medical management; study of methods of prevention, reduction, or alleviation of certain aspects of disease/illness which impede activities and self-care performance.

OTA 200 Psychosocial Therapy and Practice

3 Hours

Prerequisites: OTA 112, 120, 122, 133, 134

5 hours weekly (2-3)

Overview of occupational therapy psychosocial theory and techniques as they relate to various classifications of behavioral disorders and developmental disabilities. Group leadership, development of communication, observation skills, and use of self as a therapeutic modality are emphasized.

OTA 205 Occupational Therapy in Pediatrics

4 Hours

Prerequisites: OTA 112, 120, 122, 133, 134

6 hours weekly (3-3)

In analysis of occupational function and dysfunction, this course presents sequential normal and pathological development from birth through adolescence across sensorimotor, play/leisure, cognitive, affective, and self-care/work readiness domains. It investigates issues, treatment, and service systems in effective occupational performance.

OTA 210 Occupational Therapy Theory I

4 Hours

Prerequisites: BIO 205 and Admission to the Occupational Therapy Assistant Program

6 hours weekly (3-3)

Introduction to the fundamental concepts of joint and muscle movement. Overview of sensory systems, musculoskeletal systems, neuroanatomy, kinesiology, and basic assessment of previously mentioned.

OTA 217 Fieldwork Experience I

4.5 Hours

Prerequisites: Successful completion of ALL academic coursework, except OTA 250.

20.5 hours weekly (0.5-20)

Development of professional skills through supervised application of treatment principles. This first Level II Fieldwork experience is designed to provide the first two clinical opportunities to make the transition from “student to clinician.” Within the eight weeks, students are expected to perform the functions of a practicing therapist at the first two assigned clinical sites. It is expected that at the end of the eight weeks (school systems minimum 280 hours, all others minimum 320 hours) the student should be functioning at entry-level with close supervision needed. General objectives for each experience are the same. However, specific objectives will be developed by each fieldwork site in conjunction with the OTA educational program. Fieldwork will include at least one physical disability site and any of the following for the other section site: physical disability, psychosocial, pediatric, hand therapy, or a combination. Psychosocial experiences will be strongly encouraged within all fieldwork. Students will be closely supervised by a certified occupational therapy assistant and/or a registered occupational therapist with at least one year clinical

experience. FIELDWORK I EXPERIENCE MUST BE SUCCESSFULLY COMPLETED WITHIN 18 MONTHS OF ACADEMIC COURSEWORK.

OTA 218 Fieldwork Experience II

4.5 Hours

Prerequisites: Successful completion of ALL academic coursework, except OTA 250.

20.5 hours weekly (0.5-20)

The second Level II Fieldwork experience is designed to provide the ongoing opportunity for transition from “student to clinician.” As with Fieldwork Experience I, within the eight weeks students are expected to perform the functions of a practicing therapist at the second clinical site. It is expected that at the end of the eight weeks (school systems minimum 280 hours, all other minimum 320 hours) the student should be functioning at entry-level with close supervision needed. General objectives for each experience are the same. However, specific objectives will be developed by each fieldwork site in conjunction with the OTA educational program. Fieldwork will include at least one physical disability site and any of the following for the other section site: physical disability, psychosocial, pediatric, hand therapy, or a combination. Psychosocial experiences will be strongly encouraged within all fieldwork. Students will be closely supervised by a certified occupational therapy assistant and/or a registered occupational therapist with at least one year clinical experience. FIELDWORK EXPERIENCE II MUST BE SUCCESSFULLY COMPLETED WITHIN 18 MONTHS OF ACADEMIC COURSEWORK.

OTA 230 Clinical Rotation II

2 Hours

Prerequisites: OTA 112, 120, 122, 133, 134

4 hours weekly (1-3)

This Level I Fieldwork experience provides the student with clinical opportunities (both in-class laboratory and assigned clinical sites) for treatment of patients/clients of different ages and disabilities. Students will continue practice of treatment and communication techniques under supervision. Students will continue to expand the process of developing treatment plans and procedures, adapting equipment, and activities with an emphasis on ethics and the cultural impact of client-centered treatments. Preparation for participation in the Level II Fieldwork experiences is provided.

OTA 231 Occupational Therapy Theory II

1.5 Hours

Prerequisites: OTA 112, 120, 122, 133, 134

2.5 hours weekly (1-1.5)

Provides an expanded knowledge of development and administration of selected tests, theoretical basis for treatment, and treatment principles with an emphasis on clinical reasoning, the OT process, and diagnostic-specific techniques across the life span.

OTA 232 Aging and Impact on Occupation

1.5 Hours

Prerequisites: OTA 112, 120, 122, 133, 134

2.5 hours weekly (1-1.5)

This course introduces the student to the physical, psychological, socioeconomic, cultural aspects of aging and their relationship to occupational therapy programs for older adults. The focus is on providing care to individuals experiencing disorders of aging and uses of occupational therapy process of evaluation, planning, implementation, and community programming.

OTA 250 Occupational Therapy Administration

3 Hours

Prerequisites: OTA 200, 205, 230, 231, 232

3 hours weekly (3-0)

This class provides an introduction to basic management knowledge and skills essential to occupational therapy practice. Topics emphasized are marketing, supervision (both clinical and administrative), communications, quality assurance, and departmental operations. Students will develop a resume, practice job interviewing, and participate in other activities related to the professional organization(s). This course will be taught utilizing web-based format.

Physical Education Development (PED)

PED 106 Lifetime Cardio Fitness

.5-2 Hours

Prerequisites: None

Hours weekly (variable)

This course is designed to promote and improve cardiovascular efficiency by methodical exercise bouts relative to strengthening the heart muscle and improving blood flow. Students will exercise in the target heart rate range for 30 minutes 3 times per week.

PED 113 Tennis I

1 Hour

Prerequisites: None

2 hours weekly (0-2)

This class is designed for the student who is attempting to develop the skills necessary for successful and enjoyable participation in tennis and for the player who wishes to raise the standard of play to a higher level. Methodology of administration consists of lectures, demonstrations, and drills with supervision and feedback provided by the instructor. NCAA rules and regulations are applied. Actual play will begin when the student has made satisfactory progress in the basic skills.

PED 126 Beginning Weight Training

.5-2 Hours

Prerequisites: None

Hours weekly (variable)

This course is designed as a continuation of the aerobic and weight training courses; however, with proper orientation it may be started as the first aerobics and weight training class.

PED 127 Intermediate Weight Training

.5-2 Hours

Prerequisites: None

Hours weekly (variable)

This course is designed as a continuation of the aerobic and weight training courses; however with proper orientation it may be started as the first aerobics and weight training class.

PED 128 Advanced Weight Training

.5-2 Hours

Prerequisites: None

Hours weekly (variable)

This course is designed as a continuation of the aerobic and weight training courses; however, with proper orientation it may be started as the first aerobics and weight training class. The program consists of an Aerobic Super Circuit, which takes 13 minutes to complete. The main thrust of the circuit is to promote cardiovascular fitness. A second phase of the program is in the individual body parts section, which allows the student to make gains in the muscular tone and strength development areas.

PED 129 Strength Training & Conditioning

.5-2 Hours

Prerequisites: None

Hours weekly (variable)

This course is designed to provide the student athlete with additional fitness gains such as muscular strength, endurance, flexibility, body composition, agility, and cardio respiratory endurance. The student will have an opportunity to create a daily log to assess gains in fitness components.

PED 178 Scuba Diving

2 Hours

Prerequisites: None

3 hours weekly (1-2)

This course is designed to cover the nationally standardized principles and skills of scuba diving. Upon completion of this course, the student has the option of qualifying for the PADI certification.

PED 180 Aquatic Toning and Aerobic**Activity I**

.5-2 Hours

Prerequisites: None

Hours weekly (variable)

This course is designed to provide the student with increased fitness and flexibility through aquatic exercise. The student will participate in an aquatic fitness and toning exercise program.

PED 203 Walking for Fitness I

2 Hours

Prerequisites: None

4 hours weekly (0-4)

This course will provide students with the opportunity to learn the fundamentals and proper techniques of walking for health and fitness. Emphasis is placed on stretching exercises for warm-up and utilization of weight training machines for strength and endurance gains.

PED 250 Lifeguard Certification

.5-1 Hour

Prerequisites: None

Hours weekly (variable)

This course will result in Red Cross Life Guard certification for the student.

Physical Education Development/ Education Courses (PEDE)

PEDE 190 Introduction to Coaching

3 Hours

Prerequisites: None

3 hours weekly (0-3)

This course is designed to provide as much insight as possible into the coaching profession and to examine the many facets involved in the world of the coach. This is a course that will attempt to describe the nature of coaching, point out potential problem areas, offer some advice, and create discussion and debate for those who are about to enter the field and those who are already in it.

PEDE 191 Introduction to Physical Education

2 Hours

Prerequisites: None

2 hours weekly (2-0)

This course is designed to provide a sound knowledge of physical education, fitness, and sports in order to favorably influence the student's attitudes, habits, and practices pertaining to the responsibilities of the physical educator. This is a course mandatory for physical education majors, although anyone may take this class.

PEDE 192 Contemporary Physical Fitness

2 Hours

Prerequisites: None

2 hours weekly (2-0)

Fitness class is designed to acquaint college students of all ages with the nature and scope of establishing lifelong patterns of fitness. The student will receive the facts and principles that provide the basis for motivating people to

resources, and assessment instruments will be used in developing an individualized, well-rounded physical fitness program.

PEDE 202 Physical Education for Children

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to develop skills and knowledge for organizing, incorporating, and assessing physical education progressions for children and youth. This course will consist of lectures, videos, class participation in demonstrations of teaching movement, teaching practice, and service learning.

Philosophy (PHL)

PHL 111 Ethics and Moral Problems

IAI – H4 904

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A discussion and analysis of the principal ethical theories and concepts of human conduct, as well as a critical evaluation of these theories as they address particular moral problems. This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

PHL 121 Introduction to Logic

IAI – H4 906

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is a study of the rules of valid judging and reasoning, both inductive and deductive, in a traditional, language-centered context rather than a symbolic context. Logical analysis of both formal and informal fallacies and of the consistency and logical consequences of a given set of statements is included. Logical analysis is applied to concrete problems dealing with our knowledge of reality.

PHL 131 Introduction to Philosophy

IAI – H4 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introduction to the enduring problems that arise in human experience and how philosophers address them. Topics include human nature, identity, the nature of knowledge and truth, reality, moral and aesthetic values, the question of meaning in human life, and religion.

PHL 200 Asian Philosophy

IAI – H4 903N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A survey of several representative Asian cultures and value systems through their religious and philosophical concepts.

PHL 260 World Religions

IAI – H5 904N

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An examination of the foundations and teachings of the world's major religions, including Judaism, Christianity, Islam, Hinduism, Buddhism, and Taoism.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

PHL 261 History of the Christian Church

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course will survey the history of the Christian Church. The social, intellectual, and institutional history will be explored from its early days to the modern era. Emphasis is placed upon the development of institutions, traditions, and doctrine.

PHL 262 Studies in Atheism

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A critical analysis of selected religious concepts and beliefs such as the Existence of God, the Problem of Evil, Predestination, the Afterlife, Religious centered ethical views, and Diverse Gods.

PHL 265 Intro to Philosophy of Religion

IAI – H4 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Course critically examines theological concepts and theories as well as aspects of religious belief. Questions to be addressed include: what is the nature of the deity and are there rational grounds for belief in a deity, what is the nature of good and evil, are there miracles, are there practical reasons for faith, what is the nature of religious language, and what is the relationship between science and religion.

Physical Science (PHS)

PHS 101 Environmental Science

IAI – LP 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A consumer-user course oriented toward the economics and wise use of man's energy and machines; various up-to-the-minute scientific topics will be discussed; scientific versus environmental trade-offs will be analyzed.

PHS 102 Astronomy

IAI – P1 906

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A general education course in astronomy that examines astronomical phenomena and concepts, including the solar system, planetary motions, atoms and radiation, stars and galaxies, and the origin and evolution of the universe. Textbook principles as well as observation of the night sky are brought together in this course.

PHS 103 Earth Science

IAI – P1 905L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A general education lecture-laboratory course that covers the entire field of geology. No formal instruction in science is expected. Emphasis will be placed on the configuration of the earth, the dynamic processes that change

the configuration, and the origin and history of the earth.

PHS 105 Physics for Non-Science Majors

IAI – P1 900

3 Hours

Prerequisites: MAT 051

3 hours weekly (3-0)

This course is an introduction to physics for the non-science major or the science major wishing to gain a conceptual understanding before taking a more advanced physics course. Students will examine selected physical phenomena and explore their connection to many societal issues affecting modern life. While this course concentrates on the conceptual approach, basic math, simple algebra, estimating, and graphical analysis are also utilized.

PHS 107 Weather & Climate

IAI – P1 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A first course in the atmospheric sciences, for both science and non-science majors, which integrates an exposure to current atmospheric events with an understanding of current scientific thinking of atmospheric processes. The course covers topics ranging from basic atmospheric composition, structure and motions to an introduction to climatology. The course will also emphasize scientific literacy and qualitative reasoning applied to atmospheric behavior.

PHS 108 Chemistry and the Environment

IAI – P1 903

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A general education science course for the non-science major or the science major wishing to gain a conceptual understanding before taking a more advanced chemistry course. This course introduces basic concepts in chemistry and explores a wide range of environmental concerns in our society. Environmental topics may include ozone layer depletion and greenhouse effect, air pollution and acid rain, water pollutions, and energy sources and the impact on society.

PHS 111 Environmental Science II

IAI – LP 901

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is an interdisciplinary physical and life science course that focuses on the study of humankind's relationship with other organisms and the nonliving environment, combining information from biology, chemistry, geography, geology, physics, economics, sociology, cultural anthropology, agriculture, engineering, law, politics, and ethics. Water, land, and food resources, biodiversity, hazardous wastes, and regional and global atmospheric changes are some of the topics that are covered in this course.

PHS 220 Physical Geology

IAI – P1 907L

4 Hours

Prerequisites: CHM 151 or equivalent

5 hours weekly (3-2)

Physical Geology is an intensive study of earth materials and processes designed for the beginning geoscience major and others seeking a strong background in earth sciences. Topics will include minerals, rock types, surficial processes, landscape evolution, structural geology, and plate tectonics. One Saturday field trip (date to be arranged) is also required.

Physics (PHY)

PHY 121 Technical Physics

IAI – P1 900L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

A general study of physics emphasizing applications to the technical fields and introducing the laws of motion and equilibrium and their relation to work, energy, and power. Also included are the principles of mechanics as they are applied to solids and fluids and the principles of heat, electricity, and magnetism.

PHY 155 College Physics I

IAI – P1 900L

5 Hours

Prerequisites: MAT 111 or 2 yrs. H. S. algebra and 1 yr. H. S. Trigonometry

6 hours weekly (4-2)

An introduction to physics. Classical mechanics and topics chosen from heat, sound, and materials science. This is the first in a non-calculus sequence for science, mathematics, pre-med, chemistry, and other majors requiring college physics.

PHY 156 College Physics II

5 Hours

Prerequisites: PHY 155

6 hours weekly (4-2)

A continuation of PHY 155. Electricity and magnetism along with topics selected from optics and modern physics; the final course of the non-calculus college physics sequence.

PHY 201 Statics

IAI – EGR 942

3 Hours

Prerequisites: MAT 131 with a grade of "C" or higher and concurrent enrollment in PHY 155 or PHY 205

3 hours weekly (3-0)

A rigorous course in statics for engineering, mathematics, physics, and other majors requiring a calculus-based mechanics course. Vector algebra is used to study particles, rigid bodies, and systems in equilibrium. A programmable calculator is strongly recommended for the course. This course is currently offered in the fall semester.

PHY 202 Dynamics

IAI – EGR 943

3 Hours

Prerequisites: PHY 201

3 hours weekly (3-0)

A continuation of PHY 201. Methods of elementary classical mechanics as applied to particles and rigid bodies in nonequilibrium situations. Vector algebra is used extensively and some vector calculus is introduced. A programmable calculator is strongly recommended for the course. This course is currently offered in the spring semester.

PHY 203 Mechanics of Solids

IAI – EGR 945

3 Hours

Prerequisites: PHY 201 with a minimum grade of “C” or higher

3 hours weekly (3-0)

This course is a continuation of Statics (PHY 201) and is a necessary course for Mechanical, Civil and Aerospace Engineering students. It contains the following topics: stress and strain, mechanical properties of materials, the different types of loading – axial, torsion, bending, transverse shear and combined loadings, plane stress and plane strain transformations (Mohr’s Circle), deflection and design of beams and shafts and column buckling.

PHY 205 University Physics I

IAI – P2 900L, IAI – PHY 911

5 Hours

Prerequisites: MAT 131

6 hours weekly (4-2)

PHY 205 is the first course in a standard two-semester calculus-based physics sequence that is offered at virtually all universities and colleges for engineering majors. PHY 205 covers mechanics, heat, and thermodynamics. Physics background is strongly recommended.

PHY 206 University Physics II

IAI – PHY 912

5 Hours

Prerequisites: PHY 205, MAT 201, or consent of instructor

5 hours weekly (4-2)

PHY 206 is the second course in a standard two-semester calculus-based physics sequence that is offered at virtually all universities and colleges for engineering majors. PHY 206 covers electricity, magnetism, electromagnetic waves, optics, and an introduction to relativity and quantum physics.

PHY 214 Introduction to Circuit Analysis

IAI – EGR 931

3 Hours

Prerequisites: MAT 202 with a grade of “C” or higher and concurrent enrollment in PHY 206

3 hours weekly (3-0)

Topics include basic concepts of electrical current, voltage, power and energy; units; independent and dependent sources; resistance R; Ohm’s Law; Kirchhoff’s Laws; simple resistive circuits; delta-to-wye equivalents; resistive circuit analysis methods (node-voltage, mesh-currents, source transformations, Thevenin and Norton equivalents, and superposition); operational amplifiers; capacitance C and inductance L; transient responses of RC, RL and RLC circuits; sinusoidal steady state RLC circuits (analysis in time domain and frequency domain, and power).

PHY 224 Electric Circuit Analysis Laboratory

IAI – EGR 931L

1 Hour

Prerequisites: PHY 214 or concurrent enrollment

2 hours weekly (0-2)

The experiments in this laboratory course are designed to explore the theoretical and analytical material in PHY 214 (Introduction to Circuit Analysis). The objective of this course is to enhance students' understanding of analytical principles developed in PHY 214 by engaging them in real-time applications of these principles in the laboratory. In addition students will develop laboratory practice for testing and evaluating electrical circuits.

Electrical Construction Technology (PIW)

The Electrical Construction Technology program is offered through a partnership with the International Brotherhood of Electrical Workers (IBEW) as part of their Joint Apprenticeship and Training Program. Enrollment is restricted to new and current apprentices.

PIW 110 History of the Labor Movement

3 Hours (3-0)

Prerequisites: Acceptance into the IBEW Apprenticeship Program

3 hours weekly

This course involves study of some of the key historical developments, which have shaped the present day labor movement. Particular attention will be placed on the rise of the national union, the recurrent debates over structure, the dynamics of the growth of the labor movement, and the impact of such forces as industrialism, urbanization, immigration, and internal migrations upon the American labor movement. Subject matter includes a historical look at the role of labor in the economy, internal union structure and administration, labor legislation, collective bargaining, the changing labor force, the union status of minorities and women, theories of the labor movement and how what we have learned can help us address current labor issues.

PIW 121 IBEW Professional Inside Wireman I

3 Hours (2-2)

Prerequisites: Acceptance in IBEW Apprenticeship School and MATH 106.

4 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include job site safety, electrician's tools, material rigging,

basic conduit bending, direct current theory, and series circuit calculations.

PIW 122 IBEW Professional Inside Wireman II

4 Hours (3-2)

Prerequisites: PIW 121

5 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include serial and parallel circuits, national electrical code, and basic blueprint reading.

PIW 123 IBEW Professional Inside Wireman III

3 hours (2-2)

Prerequisites: PIW 122

4 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include codeology as it relates to the National Electrical Code (NEC), measuring processes used in the electrical industry, intermediate conduit bending, and hydraulic, mechanical and hand benders.

PIW 124 IBEW Professional Inside Wireman IV

4 hours (3-2)

Prerequisites: PIW 123

5 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include inductance and capacitance in AC circuits, National Electrical Code (NEC) standards relating to transformers, transformer theory, design, and calculations, and wiring methods and devices.

PIW 125 IBEW Professional Inside Wireman V

3 hours (2-2)

Prerequisites: PIW 124

4 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include DC/AC review, semiconductors, transistors, SCR's, amplifiers, and electronic applications.

PIW 126 IBEW Professional Inside Wireman VI

4 hours (3-2)

Prerequisites: PIW 125

5 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include National Electrical Code (NEC) Article 250, electrical theory to grounding, grounded conducted, service grounding, earth testing, WYE and Delta 3-phase transformers, and load calculations.

PIW 127 Electrician Apprenticeship I

2 hours (0-1600 lab hours)

Prerequisites: Acceptance in IBEW Electrical Apprenticeship Program.

1600 lab hours

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journey worker.

PIW 128 Electrician Apprenticeship II

2 hours (0-1600)

Prerequisites: PIW 127

1600 lab hours

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journey worker.

PIW 129 Electrician Apprenticeship III

2 hours (0-1600)

Prerequisites: PIW128

1600 lab hours

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journey worker.

PIW 221 IBEW Professional Inside Wireman VII

3 hours (2-2)

Prerequisites: PIW 126

4 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include motor constructions, motor installations, protection, controls, and schematic diagrams.

PIW 222 IBEW Professional Inside Wireman VIII

4 hours (3-2)

Prerequisites: PIW 221

5 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include digital logic, ladder logic, logic circuits and controls, AC motor speed controls, power factoring, power filtering, power harmonics, cable tray, motor control circuits and protection, and hazardous locations.

PIW 223 IBEW Professional Inside Wireman IX

3 hours (2-2)

Prerequisites: PIW 222

4 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include fire alarm systems-operation, installation, maintenance, and troubleshooting; fundamentals of instrumentation and equipment used for calibration; telephone wiring and introduction to TIA/EIA standards and codes; high voltage equipment; air conditioning systems and basic security systems.

PIW 224 IBEW Professional Inside Wireman X

4 hours (3-2)

Prerequisites: PIW 223

5 hours weekly

This course is a part of the IBEW Apprenticeship Program. The topics to be covered include programmable logic controllers (PLC)-basics, operation, and installation; designing and programming PLC; National Electrical Code (NEC) for special conditions; and NEW calculations.

PIW 225 Electrician Apprenticeship IV

2 hours (0-1600)

Prerequisites: PIW 129

1600 lab hours

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journey worker.

PIW 226 Electrician Apprenticeship V

2 hours (0-1600)

Prerequisites: PIW 225

1600 lab hours

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship program. The on-the-job component will consist of work relating to the wiring of residential, commercial, industrial and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journey worker.

Practical Nursing (PNE)

PNE 050 Medication Calculation for Nurses

2 Hours

Prerequisites: Score below 45th percentile on PN entrance exam or score below 90th percentile on college math portion of pre-entrance exam.

2 hours weekly (2-0)

This course is designed to present a review of basic math skills including addition, subtraction, multiplication, and division of decimals and fractions; and calculation of ratios and proportions. The metric, apothecary, and household systems of measurement will be introduced with emphasis on conversion between these systems as it applies to calculating medication dosages. Practical application of math to oral and parenteral administration of medications will be stressed.

PNE 098 PN Orientation

.5 Hours

Prerequisites: None

.5 hours weekly (.5-0)

This course will introduce students to the PN classroom, lab and clinical expectations, and HIPAA requirements.

PNE 099 Communications Review for Nursing

.5 Hours

Prerequisites: None

.5 hours weekly (.5-0)

This course will consist of intense review of grammar, writing skills and test-taking skills. Students will be periodically assessed. Time to review basic skills in computer –aided programs also.

PNE 100 Nutrition

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The course focuses on why the human body needs food and what is in the different foods that the body uses. Also, the student develops an awareness for the necessity of careful selection and preparation of food that is to be used in the human body. Special emphasis is placed upon the six basic nutrients, their functions, and diet therapy.

PNE 101 Fundamentals of Nursing

3 Hours

Prerequisites: Acceptance into Practical Nursing Program

3 hours weekly (3-0)

Fundamentals of Nursing is a basic course which presents an introduction to the practice of nursing, the role of the practical nurse, and his/her function in the health care system. The student will learn the nursing process, the therapeutic environment, health maintenance in the health care system, and nursing interventions in specific situations. The Nurse Practice Act will be discussed, as well as end-of-life therapies and care.

PNE 102A Nursing Procedures I

1.5 Hours

Prerequisites: Acceptance into the Practical Nursing Program

3 hours weekly (0-3)

Students will practice and demonstrate basic beginning nursing skills performed by the licensed practical nurse. Emphasis will be placed on safety, use of universal precautions, care of equipment and supplies, maintenance of a therapeutic environment, efficiency, and documentation. Skills will be emphasized during all aspects of the course.

PNE 102B Nursing Procedures II

1.5 Hours

Prerequisites: Acceptance into the Practical Nursing Program and concurrent enrollment in PNE 101, Fundamentals of Nursing. Successful completion of PNE 102A, Nursing Procedures I or completion of a Certified Nursing Assistant Program within the past three years, verification of good standing on the Illinois Nurse Aide Registry, and continued half-time employment evidenced by performance evaluations with appropriate signatures will meet the PNE 102A requirement.

3 hours weekly (0-3)

This course is a continuation of PNE 102A, Nursing Procedures I. PNE 102B introduces selected advanced level technical skills fundamental for nursing practice. The course format consists of demonstration and discussion, student practice, and return demonstration of skills by students.

PNE 103 Clinical Nursing

2 Hours

Prerequisites: Acceptance into Practical Nursing Program

6 hours weekly (0-6)

The purpose of PNE 103 is to allow the student the appropriate supervised time to practice in a clinical facility the content theory material presented in PNE 101, 102A, 102B and 105. Students must show proof of appropriate physicals and inoculations.

PNE 105 Nursing Throughout the Life Cycle

2 Hours

Prerequisites: Acceptance into Practical Nursing Program

2 hours weekly (2-0)

This course is designed to present the theory material necessary to introduce the student to the normal growth and development of man from birth to death. The course will introduce the student to development in terms of maturation, psychological, cognitive, and motor functions. Age groups will be presented, including differences, changes occurring, developmental tasks expected, and nursing implications. Without an awareness of the range and complexity of distinctions between age groups, a nurse cannot be cognizant of the client's special needs or obvious factors related to health conditions. The individual will be discussed in relation to the health care system. The nurse's influence on the client's growth and development will be emphasized.

PNE 161 Pharmacology in Nursing I

2 Hours

Prerequisites: Acceptance into Practical Nursing Program

2 hours weekly (2-0)

Because nurses play a vital role in treatment regimens involving the use of drugs, this course provides an introduction to drugs and drug administration. The student will learn the major factors affecting drug actions and drug therapy for special patient populations. Calculation of medication dosage will be given special emphasis. Information concerning common dosage, therapeutic action, and contra-indications of selected groups of drugs will be presented.

PNE 171 Pharmacology in Nursing II

2 Hours

Prerequisites: PNE 161

2 hours weekly (2-0)

Intended to build upon Pharmacology in Nursing 161, this course emphasizes drug therapy as a means of patient care. The student will learn about commonly used medications which act on the various body systems. Information will be emphasized concerning common dosage, therapeutic action, and contra-indications.

PNE 183 Maternal and Newborn Health

2 Hours

Prerequisites: PNE 101, 102 A/B, 103, 105, 161

2 hours weekly (2-0)

The purpose of this course is to develop within the practical nursing student an appreciation of the meaning of effective prenatal and postnatal care, an understanding of the total birth process, and to develop skills for supervised

practice in caring for the mother and newborn while recognizing deviations from normal.

PNE 184 Obstetrics Clinical

1 Hour

Prerequisites: Successful completion of first semester

PNE 101, 102, 103, 105, 161

3 hours weekly (0-3)

Designed to present the expected obstetric objectives that a student will complete at a clinical facility giving the student the appropriate supervised experience.

PNE 193 Pediatric Nursing

2 Hours

Prerequisites: PNE 101, 102, 103, 161

2 hours weekly (2-0)

The purpose of this course is to broaden the student's understanding of the care of the well and sick child. Emphasis is placed on the family-centered approach to the nursing care of children with medical and surgical conditions most often affecting children. The student is exposed to the preventive, rehabilitative, and terminal care of the child and his family while caring for children with acute, chronic, and congenital conditions.

PNE 194 Community Nursing Clinical

1 Hour

Prerequisites: PNE 101, 102, 103, 161

3 hours weekly (0-3)

PNE 194 is designed to introduce the practical nursing student to community health nursing. Various clinical experiences will be utilized to enhance the student's understanding of community nursing.

PNE 204 Adult Nursing I

2 Hours

Prerequisites: PNE 101, 102, 103, 105, 161

2 hours weekly (2-0)

Nursing care for persons with medical and surgical health deviations is learned and practiced.

PNE 205 Medical/Surgical Clinical I

2 Hours

Prerequisites: PNE 101, 102, 103, 105, 161

6 hours weekly (0-6)

The PNE 205 course is designed to present the expected medical/surgical objectives that a student will complete at a clinical facility. It will offer the student the appropriate supervised experience.

PNE 206 Adult Nursing II

2 Hours

Prerequisites: PNE 204 and 205

2 hours weekly (2-0)

Nursing care for persons with medical and surgical health deviations is learned and practiced. Legal aspects of nursing are presented.

PNE 207 Medical/Surgical Clinic II

2 Hours

Prerequisites: PNE 161, 171, 204 and 205

6 hours weekly (0-6)

The PNE 207 course is designed to present the expected medical/surgical objectives that a student will complete at a clinical facility offering the student the appropriate supervised experience.

PNE 208 Mental Health Nursing

1 Hour

Prerequisites: Acceptance into Practical Nursing Program

1 hour weekly (1-0)

Introduction to mental health and the deviations from normal, including etiology and accepted modes of treatment. Includes nursing interactions in supervised practice.

PNE 209 I.V. Therapy

.5 Hours

Prerequisites: PNE 161, 171

1.5 hours weekly (0-1.5)

This course is designed to give nurses working in diverse patient care settings practical information needed for safe I.V. therapy. Infusion guidelines, venipuncture techniques, I.V. fluids, blood and blood components, and calculation of I.V. flow rates will be discussed and practiced in a lab environment.

Political Science (PSC)

PSC 120/HUM 120 Latin American Civilization

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Latin American Civilization is an interdisciplinary course combining the social science and humanities disciplines. The course will examine Latin American history, politics, religion, geography, languages, culture, music, and art. Students will study the diversity of the peoples of Central and South America and throughout the Caribbean. One of the central purposes is to present students with the opportunity to learn about the complexity and richness of people and nations of the Latin American region. For instance, nations such as Mexico, Brazil, Costa Rica, Colombia, Chile, and Ecuador will be featured in the course.

PSC 131 American Government

IAI – S5 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A survey of American national, state, and local governments, including a study of the structure-function of the political system and the elements of constitutionalism, republicanism, and federalism. Emphasis will be given to the dynamics of the political process through the operation of public opinion, the party system, and the electoral process. Special attention will be given to an analysis of the Constitution of the United States. Students who receive credit for Political Science 131 automatically fulfill the statutory requirements of the State of Illinois.

PSC 140A Current Events International

1 Hour

Prerequisites: PSC 131

1 hour weekly (1-0)

Current Events is a political science course designed to accompany PSC 211, 131, 212, or stand alone in special circumstances. The primary purpose of the course is to give the student an opportunity to volunteer and participate in Model United Nations, Model Illinois Government, Lobbying Illinois Government, political campaigns, and other community/state activities. Students will have an opportunity to survey the literature in each substantive area and then apply theory to practice. This course is an excellent opportunity for students to get hands-on experience in the social sciences.

PSC 140B Current Events Political Institutions and Processes

1 Hour

Prerequisites: PSC 131

1 hour weekly (1-0)

Current Events is a political science course designed to accompany PSC 211, 131, 212, or stand alone in special circumstances. The primary purpose of the course is to give the student an opportunity to volunteer and participate in Model United Nations, Model Illinois Government, Lobbying Illinois Government, political campaigns, and other community/state activities. Students will have an opportunity to survey the literature in each substantive area and then apply theory to practice. This course is an excellent opportunity for students to get hands-on experience in the social sciences.

PSC 140C Current Events National Politics

1 Hour

Prerequisites: PSC 131

1 hour weekly (1-0)

Current Events is a political science course designed to accompany PSC 211, 131, 212, or stand alone in special circumstances. The primary purpose of the course is to give the student an opportunity to volunteer and participate in Model United Nations, Model Illinois Government, Lobbying Illinois Government, political campaigns, and other community/state activities. Students will have an opportunity to survey the literature in each substantive area and then apply theory to practice. This course is an excellent opportunity for students to get hands-on experience in the social sciences.

PSC 140D Current Events State and Local

1 Hour

Prerequisites: PSC 131

1 hour weekly (1-0)

Current Events is a political science course designed to accompany PSC 211, 131, 212, or stand alone in special circumstances. The primary purpose of the course is to give the student an opportunity to volunteer and participate in Model United Nations, Model Illinois Government, Lobbying Illinois Government, political campaigns, and other community/state activities. Students will have an opportunity to survey the literature in each substantive area and then apply theory to practice. This course is an excellent opportunity for students to get hands-on experience in the social sciences.

PSC 211 State and Local Government

IAI – S5 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A survey of the structure and functions of American state and local governments. Attention will be given to intergovernmental relations, and the organization, powers, functions, and finances of state and local governments. Emphasis will be placed upon the unique problems of the metropolitan areas.

PSC 212 Introduction to International Relations

IAI – S5 904

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introduction to international relations emphasizing contemporary international problems and relations. The course is a foreign policy analysis of the international interactions of states and other international actors. In addition, the collapse of Soviet and Eastern European communism, the rediscovery of economics, the resurgence of nationalism, and the emergence of global problems will be examined.

PSC 213 World Affairs (Honors)

IAI – S5 906N

3 Hours

Prerequisites: HIS 201, HIS 202, or PSC 131 with “B” or higher; 15 semester hours, GPA of 4.0 or higher

3 hours weekly (3-0)

This course is taught in a seminar format involving an in-depth study by honors students of current world affairs. Students will examine current world problems in light of historical, political, economic, social, and geographic backgrounds and current policies.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

PSC 215 Congress: The Legislative Process

3 Hours

Prerequisites: None

3 hours (3-0)

Presents an inside view of the U. S. Congress and the complex range of individuals, organizations, and processes it embodies. Programs are hosted by journalist Edwin Newman and feature Norman Ornstein, professor of political science, Catholic University. Themes addressed include congressional elections, committees, parties, leadership, lobbying, constituency relations, lawmaking, budgeting, and separation of powers.

PSC 220 The Law and Society

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A course on the legal principles on which the law is based, and the legal system which administers the law. Helps students understand what their legal rights are and informs them of what legal principles are involved in a variety of daily situations.

PSC 289 Introduction to Comparative Government

IAI – S5 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is a comparative examination of the systems, processes, and policies of selected countries. The analysis of each country includes a study of political culture, structure, function, and public policymaking of nine separate countries.

Psychology (PSY)

PSY 110 College Success and Career Planning

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to provide students with guidelines, strategies, and actions toward college success and career planning. Specific strategies for success are included in setting goals, planning ahead, time management, active learning, learning styles, study skills, choosing a major, planning a career, managing a healthy lifestyle, developing personal values, and workforce preparation.

PSY 128 Human Relations

2 Hours

Prerequisites: None

2 hours weekly (2-0)

A study of the patterns of human behavior that lead to effective interpersonal relationships in personal, social, and business situations. Emphasis is placed on the techniques used to solve problems of motivation, goals, and aspirations.

PSY 132 General Psychology

IAI – S6 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

General Psychology is an introductory course including the study of scientific research and application in regard to the psychological areas of affect, behavior, and cognition. This course is offered in the belief that an introduction to the many facets of psychology is an important part

of anyone's general educational development. Therefore, a general goal of this course is to prepare students to be informed critical thinkers of contemporary psychology, as well as to provide a foundation for further study in psychology.

PSY 132H General Psychology (Honors)

1 Hour

Prerequisites: PSY 132 and consent of instructor

1 hour weekly (1-0)

A course designed for honor students interested in meeting with a small group for discussion of psychological topics, field trips, and independent readings.

PSY 200 Social Psychology

IAI – S8 900, IAI – PSY 908

3 Hours

Prerequisites: PSY 132

3 hours weekly (3-0)

Social Psychology is an introductory course in the study of human group behavior. Research and theory are integrated in regard to the study of attitude formation, social perception and cognition, group processes and interpersonal relations, and social influences on behavior.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

PSY 203 Adolescent Psychology

IAI – S6 904

3 Hours

Prerequisites: PSY 132

3 hours weekly (3-0)

Adolescent Psychology examines interrelated bio-logical, cognitive, social, and emotional aspects of development during adolescence based on a life-span perspective. Topics include family relationships, peer relations, the school experience, career choice and work, the college experience, identity formation, adjustment, moral development, and the development of intimacy and sexuality. The course concludes with a focus on adolescents at risk. Course content is based on theory, empirical research, and application.

PSY 205 Theories of Personality

3 Hours

Prerequisites: PSY 132

3 hours weekly (3-0)

Psychology 205 is an examination of the major theories of personality and the empirical research relating to these theories. Topics include psycho-analytic and neopsychoanalytic theories, humanistic, cognitive, behavioral/social, and trait theories. Emphasis will also be placed on personality assessment and research methods in the study of personality.

PSY 262 Child Psychology

IAI – S6 903

3 Hours

Prerequisites: PSY 132

3 hours weekly (3-0)

A study of the factors affecting the development of the child from conception to adolescence. Genetic, prenatal, familial, social, and cultural influences that interact to affect the child's physical, cognitive, linguistic, and social development will be examined.

PSY 265 Introduction to Special Education

3 Hours

Prerequisites: PSY 132 & EDC 202

3 hours weekly (3-0)

An introduction to the education and characteristics of exceptional people. This course surveys the history and educational practices in special education, including legislation and litigation. All classifications of special education, mental retardation, learning disabilities, hearing-impaired, etc., will be discussed. The course also covers the effects of disability conditions on learning situations.

Students may be required to pass a background check in order to fulfill classroom observation requirements.

PSY 270 Abnormal Psychology

IAI – PSY 905

3 Hours

Prerequisites: PSY 132 or equivalent

3 hours weekly (3-0)

Abnormal Psychology is an introduction to the definition, understanding, and diagnosis of psycho-logical disorders. Historical, cultural, empirical, and theoretical perspectives are combined to address etiology, assessment, treatment, and prevention.

PSY 285 Psychology of Personality

3 Hours

Prerequisites: PSY 132

3 hours weekly (3-0)

A study of the major perspectives on personality, integrating theory and research, and covering analytic and neo-analytic approaches along with cognitive, growth-humanistic, trait, behavioral/social learning, family systems and community psychology views on development, assessment, treatment and prevention.

Integrated Science (SCI)

SCI 210A Integrated Science I

IAI – LP 900L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Integrated Science is a lecture-laboratory course designed to provide a wide-ranging background in the life and physical sciences. The primary focus will be on providing the pre-service teacher with the information needed to meet the new science education standards based on content and inquiry methods. Future K-8 teachers will acquire knowledge that can be directly applied to lessons they will teach in the classroom, as well as enhancing their own personal scientific literacy. Science 210A will concentrate on the physical sciences.

SCI 210B Integrated Science II

IAI – LP 901L

3 Hours

Prerequisites: None

4 hours weekly (2-2)

Integrated Science is a lecture-laboratory course designed to provide a wide-ranging background in the life and physical sciences. The primary focus will be on providing the pre-service teacher with the information needed to meet the new science education standards based on content and inquiry methods. Future K-8 teachers will acquire knowledge that can be directly applied to lessons they will teach in the classroom, as well as enhancing their own personal scientific literacy. Science 210B will concentrate on the life sciences.

Sociology (SOC)

SOC 133 Principles of Sociology

IAI – S7 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory course examining the three dimensions of society (culture, structure, social processes) and the three major theoretical perspectives (symbolic interactionist, functionalist, and conflict), as well as demonstrating their use as tools for understanding and researching both personal experience and larger social patterns. Topics addressed over the course of the semester include popular culture, the global economy, inequality, cross-cultural differences, deviance, socialization, and social change.

SOC 215 Diversity in American Life

IAI – S7 903D

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The course is designed to foster an understanding and appreciation of diversity in American life. Diversity with respect to gender, race, age, class, ethnicity, and differences in physical abilities will be examined. Topics include these: perspective on cultural diversity; identity and diversity; comparisons of patterns of racial/ethnic assimilation and adaptation; social policy issues and diversity; social problems and social movements.

SOC 263 Marriage & the Family

IAI – S7 902

3 Hours

Prerequisites: None

3 hours weekly (3-0)

A sociological examination of mate selection and marriage, family life, marital adjustments, and the place of the family in American culture. Cross-cultural comparisons will consider child-rearing, communal living, the latest trends, and predictions about the future.

SOC 264 Social Problems

IAI – S7 901

3 Hours

Prerequisites: SOC 133

3 hours weekly (3-0)

A review and application of basic sociological concepts, theories, and methods to examine contemporary social problems. Students discuss and analyze selected contemporary social problems along with a range of solutions to these problems. Special features of the class include the use of the World Wide Web in the research process, examination of cultural representations of social problems, and local focus on social problems.

This course is also offered as part of a study abroad program. Contact the International Education Coordinator for more information.

Social Work (SOCW)

SOCW 275 Introduction to Social Work

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Introduction to Social Work examines the relationships among social, cultural, political, and economic factors in the history and practice of social welfare. The range of roles and applications of modern social work practice will be examined with particular emphasis on community based delivery systems.

Speech (SPE)

SPE 105 Forensic Activities

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Students may acquire no more than 4 hours credit and not more than 2 hours per year. Hours are to be secured for participating in forensic activities. Designed to provide students with contest speaking experience and to develop skills in concentrated areas of speech.

SPE 115 Speech

IAI – C2 900

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Speech 115 combines communication theory with the practice of oral communication skills. This course: (1) develops awareness of the communication process; (2) provides inventional, organizational, and expressive strategies; (3) promotes understanding of an adaptation to a variety of communication contexts; and (4) emphasizes critical skills in listening, reading, thinking, and speaking. Students are expected to prepare and give at least three substantial speeches, including both informative and persuasive speech assignments. All classes require face-to-face performance of the three substantial speeches with the class and the instructor serving as an in-class audience.

SPE 116 Interpersonal Communication

3 Hours

Prerequisites: None

3 hours weekly (3-0)

Study of communication theory and its application to interpersonal relations. Relationship skills will be explored, analyzed, and practiced. Among the topics covered are the communication process, the self as communicator, listening, verbal and nonverbal communication, cooperation and conflict management. Students will also develop their individual interpersonal communication skills by increasing their knowledge of behavioral choices in both personal and professional relationships.

SPE 121 Advanced Public Speaking

3 Hours

Prerequisites: SPE 115 or consent of instructor

3 hours weekly (3-0)

Advanced principles of speech preparation and presentation; special problems and types of speeches; considerable practice in composition and delivery of speeches.

SPE 200 Small Group Communication

3 Hours

Prerequisites: SPE 115 or SPE 116

3 hours weekly (3-0)

This course explores the communication processes that occur in small groups. Students will study and apply communication theory in order to enhance their effectiveness as small group communicators. Focus is given to group formation, group membership, and decision-making and problem-solving procedures.

Spanish (SPN)

SPN 101 Elementary Spanish I

4 Hours

Prerequisites: None

4 hours weekly (4-0)

Emphasis on grammar, pronunciation, vocabulary, and oral use of the language. Language laboratory is required.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

SPN 102 Elementary Spanish II

4 Hours

Prerequisites: SPN 101 or consent of instructor

4 hours weekly (4-0)

Different activities and techniques will be used to achieve the course objectives. After taking Spanish 101, the activities will be expanded on more vocabulary, dialogues, and conversations. The grammatical structures of the language will be studied on new topics such as preterit and imperfect tenses using different types of exercises.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

SPN 201 Intermediate Spanish I

4 Hours

Prerequisites: SPN 102 or consent of instructor

4 hours weekly (4-0)

Students must have taken Spanish 102 in order to move to the Intermediate Spanish 201. The course will be devoted to finalize the basic grammatical structures of the language. Past participles, present perfect tense, past perfect

tense, conditionals, uses of the subjunctive with different verbs and the like. In addition, an oral-conversation exercise will be part of the course.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

SPN 202 Intermediate Spanish II

IAI – H1 900

4 Hours

Prerequisites: SPN 201 or consent of instructor

4 hours weekly (4-0)

The second section of the Intermediate Spanish requires that the students had taken Spanish 201. In this section, the course will consist of a summary of the main grammatical aspects of the language. There will be a general use combining the four skills (listening, speaking, reading, and writing) to achieve the goal of the course. The whole section will be taught mainly in Spanish.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

Surveying (SRV)

SRV 101 Surveying I

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This is a beginning course in surveying designed to introduce the student to the principles and equipment of surveying, as well as the profession of surveying.

Surgical Technology (STP)

STP 121 Introduction to Surgical Technology

3 Hours

Prerequisites: Acceptance into the Surgical Technology Program, BIO 205 or 206 with C or better.

3 hours weekly (3-0)

This course introduces the student to the broad field of surgical technology. It includes Orientation to Surgical Technology, Standards of Conduct, The Surgical Patient, Special Populations, and Physical Environment and Safety Standards.

STP 122 Principles and Practices of Surgical Technology

6 Hours

Prerequisites: STP 121, BIO 205 or 206

8 hours weekly (4-4)

This course introduces the student to the practice of surgical technology. The focus is on skills that are specifically those of the scrub role and the circulator role. The student will demonstrate the proper and safe execution of procedures and instruments and equipment. Adequate laboratory time for the practice and testing of the skills is required.

STP 123 Surgical Procedures I

5 Hours

Prerequisites: STP 122, 127, BIO 205 and 206

5 hours weekly (5-0)

This course is designed to prepare students for clinic practice training. Instruction introduces students to the various surgical specialties.

STP 124 Surgical Procedures II

3 Hours

Prerequisites: STP 123 and BIO 226

3 hours weekly (3-0)

This course is a continuation of STP 123 and is designed to prepare the student for clinic practice training. Instruction introduces the student to the various surgical specialties not covered in its first course.

STP 125 Clinical Rotation in Surgical

Technology I

5 Hours

Prerequisites: STP 122, 127, BIO 205 and current CPR certification

15 hours weekly (0-15)

This course introduces the student to the operating room and its routine. This course functions to expand knowledge gained in STP 122 and supports the knowledge being gained in Surgical Procedures I. This course is offered pass/fail.

STP 126 Clinical Rotation in Surgical

Technology II

5 Hours

Prerequisites: STP 125, STP 126, BIO 206, 226 and current CPR certification

15 hours weekly (0-15)

This course is continuation of STP 125. It is designed to provide the student with continued exposure to the operating room and its routine. This course expands the knowledge gained in STP 123 and STP 125. This course is offered pass/fail.

STP 127 Pharmacology for Health Professions

3 Hours

Prerequisites: STP 121 and acceptance into the
Surgical Technology Program

3 hours weekly (3-0)

This course provides basic knowledge of the most commonly used medications in the operating room. Commonly prescribed medications such as anesthetics, diuretics, gastric drugs, hormones, antibiotics, diagnostic agents, and blood and fluid replacements will be discussed.

Theater (THE)

THE 113 Theater Appreciation

IAI – F1 907

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory survey of theatre/drama as a performing art form. Includes study and analysis of historical, social, esthetic, and technical aspects of traditional and contemporary theatrical/dramatic expression.

This course is also offered as part of a study abroad program. Contact the Coordinator of International Education for more information.

THE 119 Stagecraft I

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Advanced information relating to theatrical production. Intense applied training in set design, set construction, set decoration, lighting design, lighting application, sound design, sound application and special effects, makeup design, hair style design, costume design, publicity, house management, and advanced acting techniques.

THE 120 Stagecraft II

3 Hours

Prerequisites: None

5 hours weekly (1-4)

Continuation of Stagecraft I. Intense applied training in set design, set construction, set decoration, lighting design, lighting application, sound design, sound application and special effects, makeup design, sound application and

special effects, makeup design, hair style design, costume design, publicity, house management, and advanced acting techniques.

THE 124 Fundamentals of Acting I

IAI – TA 914

3 Hours

Prerequisites: None

3 hours weekly (3-0)

The purpose of this course is to provide students with a basic approach to the fine art of acting and to allow them to develop their own technique through active participation.

THE 125 Fundamentals of Acting II

3 Hours

Prerequisites: SPE 124

3 hours weekly (3-0)

A continuation of Fundamentals of Acting I. An intensive approach to acting that will prepare students for a variety of acting situations.

THE 128 Theater Practicum

1 Hour Each

Prerequisites: Permission of the director. Students will not be permitted to register for THE 128 until selected for a play or for a technical position that the director believes is appropriate for credit

1 hour weekly (1-0)

This is a course designed to increase a student's proficiency in the preparation and presentation of theatrical productions. Credit is awarded for performing in or working on major College productions. Students may acquire no more than four hours of credit total and no more than two hours of credit per year.

Travel and Tourism (TRT)

TRT 152 Safety & Sanitation

1 Hour

Prerequisites: None

1 hour weekly (1-0)

This course is designed to provide students with the educational background needed to assist them in passing the Illinois Food Sanitation Examination, which is necessary for employees in food service establishments. Topics included are these: sanitation, health, microbiology, safe food handling practices, and the sanitation regulations and standards of the State of Illinois. The student's knowledge will be tested during the last class period through a state-administered examination.

Veterinary Technology (VET)

VET 110 Small Animal Nursing I

3 Hours

Prerequisites: Admission to program.

5 hours weekly (1-4)

Skill development in handling, restraint, and nursing techniques in dogs and cats. Emphasis on laws and ethics in veterinary medicine, breed identification, restraint techniques, history taking, physical examination, grooming, diagnostic sampling, therapeutic techniques, wound management, bandaging, fluid therapy, catheter placement, and preventive medicine.

VET 111 Small Animal Nursing II

3 Hours

Prerequisites: VET 110, VET 112, VET 117, VET 118.

5 hours weekly (1-4)

A continuation of VET 110 with emphasis on bandaging, venipuncture, immunology, dentistry, urinary diseases, and emergency nursing.

VET 112 Animal Anatomy and Physiology I

4 Hours

Prerequisites: Admission to program.

5 hours weekly (3-2)

This course provides an overview of the structure and function of animal body systems with a focus on homeostasis. Subjects covered include: fundamental cellular chemistry, physiology, cytology, histology, and anatomy of mammalian and avian species. Laboratory work includes observation of histology slides as well as identification of structures from each system on selected mammalian cadavers.

VET 113 Animal Anatomy and Physiology II

3 Hours

Prerequisites: VET 110, VET 112, VET 117, VET 118.

4 hours weekly (2-2)

This course is a continuation of VET 112. Subjects covered include: fundamental cellular chemistry, physiology, cytology, histology, and anatomy of mammalian and avian species. Laboratory work includes observation of histology slides as well as identification of structures from each system on selected mammalian and avian cadavers.

VET 116 Large Animal Nursing

3 Hours

Prerequisites: VET 110, VET 112, VET 117, VET 118.

5 hours weekly (1-4)

Handling, restraint, and nursing techniques in horses, cows, swine, and sheep. Fundamentals of selection, management, genetics, nutrition, and physiology of farm animals.

VET 117 Animal Radiology

2 Hours

Prerequisites: Admission to program.

3 hours weekly (1-2)

Utilization of radiographic equipment on animal and positioning for various anatomical exposures. With an emphasis on radiation safety and methods of obtaining high quality diagnostic pictures.

VET 118 Veterinary Practice Management

2 Hours

Prerequisites: Admission into program.

2 hours weekly (2-0)

Office practices used in a veterinary hospital including OSHA regulations, invoices, inventory, estimate preparation, record keeping, legal issues, grief management and customer relations.

VET 119 Animal Clinical Lab I

3 Hours

Prerequisites: VET 110, VET 112, VET 117, VET 118.

5 hours weekly (1-4)

This course teaches routine laboratory testing with an emphasis on hematology, urinalysis, and fecal examination.

VET 133 Animal Surgical Technology I

3 Hours

Prerequisites: VET 110, VET 112, VET 117, VET 118.

5 hours weekly (1-4)

Methods of surgery preparation with emphasis on surgery packs, instruments, autoclaves, sterile technique, surgical preps, and suture material. An introduction to intubation and anesthesia.

VET 138 Animal Pharmacology I

2 Hours

Prerequisites: VET 110, VET 112, VET 117, VET 118.

2 hours weekly (2-0)

A discussion of dosage and solution problems, dispensing procedures, client education, administration of drugs, and introduction to common veterinary drug classes.

VET 219 Animal Clinical Lab II

3 Hours

Prerequisites: VET 231. First year of program.

5 hours weekly (1-4)

Continuation of VET 119. Emphasis on blood chemistry, internal parasites, CBCs, cytology, histology, sample preparation, and other veterinary diagnostic testing.

VET 231 Vet Tech Internship I

3 Hours

Prerequisites: First year of program.

15 hours weekly (0-15)

Skill and proficiency development through participation in clinical rotations at veterinary clinics. Skills developed through the clinical site should include: large animal (if applicable), surgery, radiology, clinical pathology, nursing, client relations and care, telephone etiquette, necropsy, and exotics. Students will be placed within a designated clinic for the duration of the semester where all required hours must be successfully completed.

VET 232 Vet Tech Internship II

4 Hours

Prerequisites: VET 219, VET 231, VET 233, VET 238, VET 239. First year of the program.

16 hours weekly (1-15)

Continuation of VET 231. Continued skill and proficiency through participation in clinical rotations at Humane Societies, clinical practices, animal disease labs, rescue facilities, university teaching hospitals, emergency clinical or large animal facilities. Students will be placed within a designated facility for the duration of the semester where all required hours must be successfully completed. Students will meet once per week for participation in review of the Veterinary Technician National Examination.

VET 233 Animal Surgical Technology II

3 Hours

Prerequisites: VET 231. First year of program.

5 hours weekly (1-4)

Continuation of VET 133 with emphasis on anesthesia, surgical assisting, trauma surgery, ophthalmic, and thoracic surgery.

VET 235 Laboratory and Exotic Animals

3 Hours

Prerequisites: VET 219, VET 233, VET 238, VET 239, VET 231. First year of program.

4 hours weekly (2-2)

Students will be introduced to handling, restraint, and nursing techniques in common laboratory, exotic and wild animal species. Topics will include care and use of laboratory animals, sanitary procedures, clinical pathology, and common diseases.

VET 236 Animal Management and Nutrition

3 Hours

Prerequisites: VET 219, VET 231, VET 233, VET 238, VET 239. First year of program.

3 hours weekly (3-0)

This course will introduce basic principles of animal and herd health management including: nutrition, reproduction, pharmacology, vaccinations, diseases, and laboratory tests.

VET 238 Animal Pharmacology II

2 Hours

Prerequisites: VET 231. First year of program.

2 hours weekly (2-0)

A continuation of VET 138 with emphasis on drugs currently used in veterinary practice.

VET 239 Animal Diseases

2 Hours

Prerequisites: VET 231. First year of program.

2 hours weekly (2-0)

This course introduces students to the causes, symptoms, diagnosis and treatment of selected diseases of companion animals. Students will gain knowledge of disease processes and how they affect companion animals. Students will learn about commonly seen diseases within organ systems of mammals.

Volunteerism (VOL)

VOL 101 Volunteerism

1-4 Hours

Prerequisites: Agencies receiving volunteer services reserve the right to set requirements. The requirements will be met through a course, seminar, orientation, or criminal background/drug check. Students must successfully complete 12 hours of college credit prior to enrollment.

Hours weekly (variable)

This internship course is a form of service learning. The broad objective is to meet the students' needs that are not covered in regular classes. They will seek to achieve real objectives for the community and an understanding of service learning. They will also develop work place skills through this experience. In this process, students link personal and social development with academic and cognitive development. The student will be assigned to an agency, community action group, or educational facility based upon his/her skills, knowledge, and general interests. The internship site chosen should apply toward the student's field of study.

Welding (WEL)

WEL 150 Oxy-Acetylene Fusion Welding I

1 Hour

Prerequisites: None

2 hours weekly (0-2)

A study of oxy-acetylene equipment; production of gases, storage and distribution, types of flames, operator protective equipment, and general safety precautions. Joints welded will be the butt-joint and outside corner joint in the flat position.

WEL 151 Oxy-Acetylene Fusion Welding II

2 Hours

Prerequisites: WEL 150

4 hours weekly (0-4)

A study of torch types, their construction and classification and specifications of gas welding rods. Joints welded will be the lap joint and horizontal tee joint. Also a study of the principles of joint design, their preparation, and control of expansion and contraction. Joints welded will be the butt and T joints in the vertical and overhead positions.

WEL 152 Brazing and Soldering

1 Hour

Prerequisites: WEL 151

2 hours weekly (0-2)

A study of filler materials, fluxes, joint preparation and techniques. Emphasis will be placed on flange joints, T joints, and butt joints in several positions.

WEL 153 Oxy-Acetylene Cutting

1 Hour

Prerequisites: None

2 hours weekly (0-2)

A study of flame-cutting principles and safety, operation setup of the oxy-acetylene cutting outfit, and flame-cutting in several directions, including beveling, piercing, and cutting to prescribed sizes.

WEL 154 Arc Welding I

2 Hours

Prerequisites: None

4 hours weekly (0-4)

A study of process and safe work habits, striking an arc, running beads of weld in several directions, and padding, all in the flat position. Also, a study of American Welding Society (AWS) weld symbols, including the fillet weld symbol. Weaves, flat position, and three different patterns are taught.

WEL 155 Arc Welding II

2 Hours

Prerequisites: WEL 154

4 hours weekly (0-4)

A study of metal properties, basic joint designs, weld defects, and distortion control. Study will also include fillet welds in the flat position, lap joints, and single-and multiple-pass techniques. Also, a study of electrode classification systems, including selection, properties, use, and storage. The use of large diameter iron powder electrodes in various fillet weld configurations, including circumferential welds, will also be studied.

WEL 156 Arc Welding III

1 Hour

Prerequisites: WEL 155

2 hours weekly (0-2)

A study of the AWS weld symbol for groove welds and definition of flat position. There will be preparation and welding of vee-groove butt joints in the flat position with and without backing bar.

WEL 157 Arc Welding IV

1 Hour

Prerequisites: WEL 156

2 hours weekly (0-2)

A study of beads of weld and vee-groove butt joints with and without backing bar in the horizontal position. Definition of horizontal position will also be included.

WEL 158 Arc Welding V

1 Hour

Prerequisites: WEL 157

2 hours weekly (0-2)

A study of single beads, triangular weave, Christmas tree weave in the vertical-up position, and vee-groove butt joints, with and without a backing bar, in the vertical position. Definition of vertical position will also be included.

WEL 159 Arc Welding

1 Hour

Prerequisites: WEL 158

2 hours weekly (0-2)

A study of single beads, multiple pass fillet welds in the overhead position, and vee-groove butt joint with backing bar in overhead position. A definition of the overhead position will also be included.

WEL 160 M.I.G. Welding

2 Hours

Prerequisites: None

4 hours weekly (0-4)

A study of power sources, wire feeders, their maintenance and adjustment, and types of transfer, shielding gases, and flow meters. Emphasis will be placed on T joints in the horizontal and vertical down welding position and the butt joint in the flat and vertical down position. Also, the study of electrode wires, shielding gases, flow meters, and accessory equipment. Emphasis will be placed on the butt and T joint in the vertical P welding position and practice on the overhead T joint.

WEL 161 Cored Wire Welding

2 Hours

Prerequisites: None

4 hours weekly (0-4)

A study of electrode wires, welding machines, and their maintenance and adjustment. Emphasis will be placed on the T joint in the flat and horizontal welding positions and the butt joint in the flat position. Also, study of the techniques of out-of-position welding, with emphasis on the butt joints and fillet welds in the vertical and overhead welding positions.

WEL 162 T.I.G. Welding

1 Hour

Prerequisites: None

2 hours weekly (0-2)

A study of power sources, torch assemblies, electrode types, shielding gases, and types of current used on different metals. Emphasis will be placed on butt and T joints in the flat, horizontal, overhead, and vertical positions.

WEL 163 Weld Testing and Inspection

2 Hours

Prerequisites: None

4 hours weekly (0-4)

A study of the definition of welding qualifications, welding codes, and procedures and testing. Also included will be the AWS limited-thickness bend test in the flat, horizontal, and vertical position using E-7018, 5/32" diameter electrodes. Also, the study of procedure and operator qualifications and the interpretation of the test results. Emphasis will be placed on the preparation and testing of welded joints.

WEL 181 Introduction to Oxy-Acetylene Welding

1 Hour

Prerequisites: None

2 hours weekly (0-2)

A study of oxy-acetylene equipment, types of flames, general safety precautions, and flame-cutting principles. Joints welded will be the outside corner, lap and butt joints in the flat positions, and horizontal fillet. Also, brazing and soldering.

WEL 182 Introduction to Arc Welding

1 Hour

Prerequisites: None

2 hours weekly (0-2)

A study of process and work habits, striking the arc, running beads, padding, fillet welds in the horizontal position, and butt joints in the flat position.

WEL 188 Welding Laboratory I

1 Hour

Prerequisites: None

2 hours weekly (0-2)

This course will consist of supervised laboratory assignments on vee-joint butt welds in vertical positions with the E-7018 electrode. All welds will be tested according to the American Welding Society Code. The successful student will be able to pass the qualification test required by the coal mining and construction industries.

WEL 189 Welding Laboratory II

1 Hour

Prerequisites: WEL 188

2 hours weekly (0-2)

This course will consist of supervised laboratory assignments on T joint welds in the vertical position with the E-7018 electrode. All welds will be tested according to the American Welding Society Code. The successful student will be able to pass the qualification test required by the coal mining and construction industries.

WEL 190 Welding Laboratory III

1 Hour

Prerequisites: WEL 189

2 hours weekly (0-2)

This course will consist of supervised laboratory assignments on vee/butt joint welds in the overhead position with the E-7018 electrode. All welds will be tested according to the American Welding Society Code. The successful student will be able to pass the qualification test required by the coal mining and construction industries.

WEL 191 Welding Laboratory IV

1 Hour

Prerequisites: WEL 190

2 hours weekly (0-2)

This course will consist of supervised laboratory assignments on T butt joint welds in the overhead position with the E-7018 electrode. All welds will be tested according to the American Welding Society Code. The successful student will be able to pass the qualification test required by the coal mining and construction industries.

WEL 192 Introduction to Pipe Welding

1 Hour

Prerequisites: Consent of Instructor

2 hours weekly (0-2)

Pipe joints are prepared, welded, and tested in accordance with A.W.S. D1.1 Structural Welding Code. Socket joints and butt joints are done in the 2F and 2G positions with E-6010 and E-7018 electrodes.

WEL 193 Pipe Welding

1 Hour

Prerequisites: WEL 192

2 hours weekly (0-2)

Pipe joints are prepared, welded, and tested in accordance with A.W.S.D1.1 Structural Welding Code. Socket joints and butt joints are done in the 5F and 5G positions with E-6010 and E-7018 electrodes.

WEL 194 Pipe Welding

2 Hours

Prerequisites: WEL 193

4 hours weekly (0-4)

Pipe joints are prepared, welded, and tested in accordance with A.W.S.D1.1 Structural Welding Code. Butt joints are welded uphill and downhill in the 6G position with E-6010 and E-7018 electrodes.

WEL 195 Special Problems in Welding

4 Hours

Prerequisites: Six credit hours of welding prior to enrollment.

8 hours weekly (0-8)

Students will prepare and submit a written proposal identifying specific problems. These may be theoretical in nature or practical laboratory situations to be worked out.

WEL 196 M.I.G. Welding—Aluminum

1 Hour

Prerequisites: WEL 160

2 hours weekly (0-2)

This course will teach the student to use the pound gun to weld aluminum in all positions.

WEL 197 M.I.G. Welding—Stainless Steel

1 Hour

Prerequisites: WEL 160

2 hours weekly (0-2)

This course will teach students to use pound gun to weld stainless steel in all positions.

WEL 198 T.I.G. Welding—Aluminum

1 Hour

Prerequisites: WEL 162

2 hours weekly (0-2)

This course will teach students to weld aluminum in all positions as well as to weld aluminum pipe.

WEL 199 T.I.G. Welding—Stainless Steel

1 Hour

Prerequisites: WEL 162

2 hours weekly (0-2)

This course will teach students to weld stainless steel with TIG.

WEL 200 Welding Theory

2 Hours Prerequisites: None

2 hours weekly (2-0)

This course will cover oxy-acetylene, AC, DC, inert gas, and automatic welding theory.

WEL 201 and 201 A&B Industrial Maintenance Welding Lab

3-6 Hours

Prerequisites: None

6-12 hours weekly (0-6-12)

This is a laboratory class that will develop cognitive and manipulative skills to use the SMAW, GMAW, GTAW, PAC, OFC, and DAW welding and cutting processes. Fillet and groove welds will be performed on carbon steels, stainless steel, and aluminum material in all welding positions. **WEL 200 Welding Theory**

2 Hours Prerequisites: None

2 hours weekly (2-0)

This course will cover oxy-acetylene, AC, DC, inert gas, and automatic welding theory.

WEL 201 and 201 A&B Industrial Maintenance Welding Lab

3-6 Hours

Prerequisites: None

6-12 hours weekly (0-6-12)

This is a laboratory class that will develop cognitive and manipulative skills to use the SMAW, GMAW, GTAW, PAC, OFC, and DAW welding and cutting processes. Fillet and groove welds will be performed on carbon steels, stainless steel, and aluminum material in all welding positions.

Faculty and Professional Staff

Nathan D. Arnett, Instructor, Music; Applied Lessons Coordinator; Choral Director

- A. A., John A. Logan College
- B. M. E., Murray State University
- M. M., Southern Illinois University
- nathanarnett@jalc.edu – Ext. 8269

Amy C. F. Bafford, Manager of Campus Support Services

- B. F. A., Southern Illinois University
- amybafford@jalc.edu – Ext. 8280

Adrienne Barkley Giffin, Director of Student Activities and Cultural Events

- A. A., John A. Logan College
- B. A., Southern Illinois University
- M. P. A., Southern Illinois University
- adriennebarkley@jalc.edu – Ext. 8287

Craig Batteau, Director of Desktop Technology

- A. A. S., Southern Illinois University
- B. S., Southern Illinois University
- Graduate study, Southern Illinois University
- craigbatteau@jalc.edu – Ext. 8517

Eric Behle, DHS Subsidy Case Manager

- B. B. A., University of Missouri
- B. A., University of Missouri-Kansas City
- ericbehle@jalc.edu – 618.985.5980 Ext. 1237

Amy Biley, Early School Leaver Transition, Coordinator

- B. S., Southern Illinois University
- amybiley@jalc.edu – Ext 8264

Clay Brewer, Executive Director of Human Resources

- A. A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Ed.D., Oakland City University
- claybrewer@jalc.edu – Ext. 8589

George Bricker, Instructor, Electronics

- B. S. Southern Illinois University
- M. S. Southern Illinois University
- georgebricker@jalc.edu – Ext. 8255

Nikki Brooks, Project Services Coordinator, Student Success Center

- B. A., Southern Illinois University
- M. A., University of Illinois at Springfield
- nikkibrooks@jalc.edu – Ext.8516

Melissa Brown, Quality Specialist

- B. A., Ashford University
- melissabrown@jalc.edu – 618.985.5980, Ext. 1223

Viola Brown, Database Administrator

- B. S., Southern Illinois University
- violabrown@jalc.edu – Ext. 8256

Jane Bryant, Professor of Political Science

- B. A., Southern Illinois University
- M. A., Southern Illinois University
- Ph. D., Southern Illinois University
- janebryant@jalc.edu – Ext. 8271

Stacy Buckingham, Dean for Financial Operations

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. B. A., Southern Illinois University
- stacybuckingham@jalc.edu – Ext. 8227

Rick Burkett, LRC Professional Development Facilitator

- A. A., Southeastern Community College
- B. S., Western Illinois University
- M. A., Western Illinois University
- rickburkett@jalc.edu – Ext. 8135

William Burnside, Academic Advisor/Head Volleyball Coach

- B. A., University of Delaware
- M. S., Southern Illinois University
- billburnside@jalc.edu – Ext. 8301

Carla Campbell, DHS Subsidy Case Manager

- A. A. S., John A. Logan College
- carlacampbell@jalc.edu – 618.985-5980 Ext. 1227

Teri Campbell, Basic Skills Specialist, Assistant Coordinator of Public and Sports Information

- B. S., Southern Illinois University
- M. B. A., Southern Illinois University
- tericampbell@jalc.edu – Ext. 8409

Kathleen Carl, Professor English

- B. A., Southern Illinois University
- M. A., University of Texas
- kathleencarl@jalc.edu – Ext. 8448

Zachary Carpenter, Advisor/Assistant Men's Basketball Coach

- B. S., Lee University
- M. A., Tennessee Technological University
- zachcarpenter@jalc.edu – Ext. 8283

Thomas Chandler, Assistant Professor, Sociology

- B. S. W., Columbia College
- M. A., University of Mississippi
- tomchandler@jalc.edu - Ext. 8485

Stephanie Chaney Hartford, Dean for Academic Affairs

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Ph.D., Southern Illinois University
- stephaniehartford@jalc.edu – Ext. 8687

Lauralyn Cima, Director of Curriculum, Instruction & Compliance

- B. A., Southern Illinois University
- M. S., Southern Illinois University
- Advanced graduate study, Southern Illinois University
- lauralyncima@jalc.edu – Ext. 8303

Charles Coelho, Associate Director of Network Infrastructure

- B. S., Mid-Continent University
- A+ Certified, CompTia
- MSCE Certified, Microsoft
- charlescoelho@jalc.edu – Ext. 8544

William Connell, Instructor, Massage Therapy

- B. S., Southern Illinois University
- M. A., Southern Illinois University
- Licensed Massage Therapist
- billconnell@jalc.edu – Ext. 8106

Sheri Cook, Director for the Midwest Gallaudet University Regional Center

- B. S., Northern Illinois University
- M. A., Southern Illinois University
- shericook@jalc.edu – 618.985.8870 (First call IL Relay 1-800-526-0844)

Reva Cox, DHS Subsidy Case Manager

- B. S., Southern Illinois University
- revacox@jalc.edu – 618.985.5980, Ext. 1222

Alisha Craddock, Coordinator of Testing Services

- A. A., Rend Lake College
- A. S., Rend Lake College
- B. S., Southern Illinois University
- alishacraddock@jalc.edu – Ext. 8617

Robert Craig, Instructor, Electronics

- A. A. S., John A. Logan College
- B. S., Murray State University
- M. S., Southern Illinois University
- robertcraig@jalc.edu – Ext. 8587

Terry Crain, Business Function Analyst in Student Services

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- terrycrain@jalc.edu – Ext. 8382

Paul Crawford, Coordinator of Corporate Occupational Health & Safety Training

- B. S., Southern Illinois University
- paulcrawford@jalc.edu – Ext. 8444

Shayne Crawshaw, Associate Professor, Economics

- B. S., Southern Illinois University
- M. B. A., Southern Illinois University
- Advanced graduate study, Southern Illinois University
- shaynecrawshaw@jalc.edu – Ext. 8368

Melvin Cripps, Coordinator of Technology Support

- melvincripps@jalc.edu – Ext. 8611

Nancy Jo Crowell, Associate Professor for Cosmetology

- B. S., Southern Illinois University
- Graduate study, Southern Illinois University
- nancyjocrowell@jalc.edu – Ext. 8242

Max Damron, Welding Instructor

- A. A. S., Southern Illinois University
- B. S., Southern Illinois University
- maxdamron@jalc.edu – Ext. 8345

Rose Ann Danley, Coordinator of Student Financial Assistance

- A. S., John A. Logan College
- B. S., Southern Illinois University
- roseanddanley@jalc.edu – Ext. 8490

Jil Deaton, DHS Subsidy Case Manager

- B. S., Southern Illinois University
- jildeaton@jalc.edu – 618.985.5980, Ext. 1224

Mike DeMattei, Instructor, Construction Management

- A. A. S., Southern Illinois University
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- mikedemattei@jalc.edu – Ext. 8637

Joseph Dethrow, Associate Professor, Mathematics

- A. A., Southwestern Illinois College
- A. S., Southwestern Illinois College
- B. S., Southern Illinois University Edwardsville
- M. S., Southern Illinois University Edwardsville
- josephdethrow@jalc.edu – Ext. 8397

Richard Deutsch, Professor, Anthropology/Sociology

- B. A., DePauw University
- M. A., Wichita State University
- Ph.D., University of Wisconsin
- richarddeutsch@jalc.edu – Ext. 8284

Eric Ebersohl, Instructor, Mathematics

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- ericebersohl@jalc.edu – Ext. 8393

Robin Egelston, Coordinator of Visual Media

- B. S., Eastern Illinois University
- robinegelston@jalc.edu – Ext. 8276

James Elliott, Instructor, Chemistry

- B. Sc., Glasgow Caledonian University
- Ph.D., University of Hull, Great Britain
- jameselliott@jalc.edu – Ext. 8398

Scott Elliott, Executive Director of Integrated Technology

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- scottelliott@jalc.edu – Ext. 8394

Robert D. English, Assistant Professor, Earth Science and Physical Science

- B. S., State University of New York
- M. S., Southern Illinois University
- robertenglish@jalc.edu – Ext. 8521

Marilyn Falaster, Director of Nursing

- A. A. S., Rend Lake College
- B. S. N., Southern Illinois University, Edwardsville
- M. S. N., Bellarmine College, Louisville
- A. N. C. C., Certification in Nursing Administration
- marilynfalaster@jalc.edu – Ext. 8455

Donna Farris, Instructor, Associate Degree Nursing

- B. S. N., Southern Illinois University Edwardsville
- M. S. N., University of Evansville
- donnafarris@jalc.edu – Ext. 8620

Thomas Ferris, Men's Head Golf Coach

- B. S., Wichita State University
- tomferris@jalc.edu – Ext. 8438

Kay Fleming, Dean of Workforce Education and Adult Education

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- kayfleming@jalc.edu – Ext. 8417

Janet Followell, Instructor, Nursing

- B. S. N., McKendree College
- M. S. N., Southeast Missouri State University
- Ph. D., Southern Illinois University
- janetfollowell@jalc.edu – Ext. 8570

Donna Ford, Instructor, Associate Professor for Biology

- B. S., Illinois State University
- M. S., Western Illinois University
- donnaford@jalc.edu – Ext. 8463

Jo Forer, Instructor, Life Science

- B. A., University of Kansas
- M. S., University of Michigan
- Advanced graduate study, Eastern Michigan University and University of Michigan
- joforer@jalc.edu – Ext. 8519

Toyin Fox, Director of Diversity and Inclusion

- B. A., Obafemi Awolowo University
- M. A., Southern Illinois University
- toyinfox@jalc.edu – Ext. 8586

Christine Froemling, Instructor, Health Information Technology

- B. S., Illinois State University
- christinefroemling@jalc.edu – Ext. 8580

Hailly Fulk-Williams, Associate Director of Payroll Services

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. B. A., Missouri Baptist University
- Haillyfulk-williams@jalc.edu – Ext. 8614

Carolyn Gallegly, Director of Student Success

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- carolyngallegly@jalc.edu – Ext. 8290

Matthew Garrison, Department Chair of Communication, Humanities and Social Science and Instructor, English

- B. A., Eastern Illinois University
- M. S., Southern Illinois University
- mattgarrison@jalc.edu – Ext. 8387

Travis Geske, Director of Network Infrastructure

- B. S., Southern Illinois University
- travisgeske@jalc.edu – Ext. 8670

Kathy Gibson, Associate Professor, Dental Assisting and Coordinator of Dental Assisting

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- kathygibson@jalc.edu – Ext. 8389

Tim Gibson, Director of Building and Grounds

- B. S., Southern Illinois University
- timgibson@jalc.edu – Ext. 8109

Kara Gilbert, Coordinator of Scholarships and Accounting Support Services

- A. S., John A. Logan College
- B. S., Southeast Missouri State University
- karagilbert@jalc.edu – Ext. 8199

Christina Gilroy, Project Services Coordinator

- B. S., Southern Illinois University
- M.Ed., North Carolina State University
- christinagilroy@jalc.edu – Ext. 8410

Kathirave Giritharan, Associate Professor,
Mathematics

- B. A., Southern Illinois University
- B. S., University of Jaffna, Sri Lanka
- M. S., Southern Illinois University
- kathiravegiritharan@jalc.edu – Ext. 8458

William Glenn, Head Women's Golf Coach

- billglenn@jalc.edu – Ext. 8225

Maudie Graham, Professor, Logic and Speech
Communication

- B. A., University of Northern Colorado
- M. A., University of Northern Colorado
- Advanced graduate study, University of Illinois at Urbana
- maudiegraham@jalc.edu – Ext. 8688

Bradley Griffith, Director of Community Health
Education Complex

- A. A., John A. Logan College
- B. S., University of Illinois, Champaign
- M.S., Southern Illinois University
- bradleygriffith@jalc.edu – Ext. 8504

James Gundlach, Associate Professor, Physics

- B. S., University of Michigan
- M. S., Clemson University
- Ph.D., Clemson University
- jamesgundlach@jalc.edu – Ext. 8533

Michelle Guy, ABE Counselor/Facilitator

- B. S. W., Southern Illinois University
- michelleguy@jalc.edu – Ext. 8566

Michelle Hamilton, Director of Corporate Training

- A. A., John A. Logan College
- B. S., Eastern Illinois University
- M. S., Eastern Illinois University
- michellehamilton@jalc.edu – Ext. 8523

Barry Hancock, Dean for Community Education

- A. S., John A. Logan College
- B. S., Murray State University
- M. S., Southern Illinois University
- Ph.D., Southern Illinois University
- barryhancock@jalc.edu – Ext. 8202

Rita Harriss, Coordinator of Student Financial
Assistance

- A. A., Rend Lake College
- B. S., Southern Illinois University
- ritaharriss@jalc.edu – Ext. 8215

Pamala Hays, Associate Professor, Nursing

- B. S., Southern Illinois University,
Edwardsville
- M. S., Southeast Missouri State University
- pamhays@jalc.edu – Ext. 8447

Johnna Herren, Associate Director of Human
Resources

- A. A., John A. Logan College
- B. S., Mid-Continent University
- johnnaherren@jalc.edu – Ext. 8473

Joseph Hines, Coordinator of Recruitment

- B. S., Northeast Missouri State University
- joehines@jalc.edu – Ext. 8211

Lora Hines, Department Chair of Business,
Computer Science and Mathematics and
Professor of Business

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- M. B. A., Missouri Baptist University
- lorahines@jalc.edu – Ext. 8461

Stacy Holloway, Director of Advisement

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- stacyholloway@jalc.edu – Ext. 8426

Julie Horecker, Professor, Nursing

- B. S., McKendree College
- M. S., Southeast Missouri State University
- Ph.D., Southern Illinois University
- juliehorecker@jalc.edu – Ext. 8545

Crystal Hosselton, Director of Adult Secondary Education

- B. A., Southern Illinois University
- crystalhosselton@jalc.edu – Ext. 8349

Ron House, President

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- PhD, Southern Illinois University
- ronhouse@jalc.edu – Ext. 8408

Lisa Hudgens, Director of Career Services

- B. S., Eastern Illinois University
- M. S., Southern Illinois University
- lisahudgens@jalc.edu – Ext. 8379

Jeremy Jackson, Assistant Baseball Coach

- jeremyjackson@jalc.edu – Ext. 8334

Pat Jackson, Coordinator of Student Financial Assistance

- B. I. S., Murray State University
- patjackson@jalc.edu – Ext. 8691

Jennifer Jeter, Associate Professor, Mathematics

- A. A., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- jenniferjeter@jalc.edu – Ext. 8177

Denis Junge, Professor, Psychology and Education

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Advanced graduate study, Southern Illinois University
- denisjunge@jalc.edu – Ext. 8233

Pam Karns, Department Grant Chair, Allied Health and Public Service, Associate Professor, Dental Hygiene

- A. A. S., Southern Illinois University
- B. S., Southern Illinois University
- M. S., University of St. Francis
- pamkarns@jalc.edu – Ext. 8639

Kathi J. Kibler, Professor, Psychology

- B. S., University of Illinois
- M. S., Auburn University
- Advanced graduate study, Auburn University and George Washington University Medical Center
- kathikibler@jalc.edu – Ext. 8619

A Page Kirkpatrick, Baseball Recruiting Coordinator

- B. S., Southern Illinois University
- pagekirkpatrick@jalc.edu – Ext. 8334

Perry Knop, Political Science

- B. A., Southern Illinois University
- M. A., Southern Illinois University
- J. D., Southern Illinois University
- perryknop@jalc.edu – Ext. 8353 - 8494

Mikeal Kos, Instructor, Nursing

- A. A. S., Rio Grande Community College
- B. S., University of Akron
- M. S. N., University of Phoenix
- mikealkos@jalc.edu – Ext. 8235

Keith Krapf, Assistant Professor, Life Science

- A. S., Parkland College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- keithkrapf@jalc.edu – Ext. 8547

Phillip Lane, Webmaster

- B. S., Murray State University
- philliplane@jalc.edu – Ext. 8337

Richard LaSalle, Instructor, Life Science

- B. S., State University of New York
- M. S., North Carolina State University
- Ph.D., North Carolina State University
- richardlasalle@jalc.edu – Ext. 8323

Lori Longueville, Director, Department of Human Services Grant; Child Care Resource and Referral Director

- B. A., Illinois Wesleyan University
- Graduate study, University of Phoenix
- lorilongueville@jalc.edu – 618.985.5980, Ext. 1241

Mike Maeser, Coordinator of Occupational Health and Safety Training

- mikemaeser@jalc.edu – Ext. 8652

Lisa Majewski, Instructor, Nursing

- B. S. N., McKendree University
- M. S. N., McKendree University
- lisamajewski@jalc.edu – Ext. 8412

Doris Malone, Instructor, Certified Nursing Assistant

- A. S., Richland Community College
- B. S. N., Millikin University
- dorismalone@jalc.edu – Ext. 8105

Angel Marjanovich, Basic Skills Tutor (Math)

- A. A., Southwestern Illinois College
- B. S., Southern Illinois University
- angelmarjanovich@jalc.edu – Ext. 8306

Christy Marrs, Director of Compensation and Benefit Services

- A. A. S., Rend Lake College
- B. S., Southern Illinois University
- christymarrs@jalc.edu – Ext. 8222

Shanin Marshall, Staff Accountant

- B. S., Southern Illinois University
- shaninmarshall@jalc.edu – Ext. 8484

Susan May, Assistant to the President and Recording Secretary to the Board of Trustees

- A. A. S., John A. Logan College
- A. G. S., John A. Logan College
- B. S., Mid-Continent University
- susanmay@jalc.edu – Ext. 8428

Christy McBride, Director of Testing Services

- A. S., Rend Lake College
- B. A., Southern Illinois University
- M. S., Southern Illinois University
- christymcbride@jalc.edu – Ext. 8496

Cheryl McCann, Pre-K Facilitator

- B. S., Southern Illinois University
- cherylstearns@jalc.edu – Ext. 8526

Brad McCormick, Vice-President for Business Services and College Facilities

- A. S., Southeastern Illinois College
- B. S., Union University
- M. B. A., Southern Illinois University Edwardsville
- bradmccormick@jalc.edu – Ext. 8204

Jason McFarland, Instructor, Auto Collision / Auto Services

- A. A. S., John A. Logan College
- B. S., Southern Illinois University
- A. S. E. Certified, Master Collision Repair Technician
- jasonmcfarland@jalc.edu – Ext. 8375

Jacqueline McGee, Assistant Coordinator for Special Projects & Information

- B. B. A., Hofstra University
- jackiemcgee@jalc.edu – 618.985.5980, Ext. 1240

Tom McGinnis, Coordinator of Transfer Programs

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- tommcginnis@jalc.edu – Ext. 8697

Erin McGuire, Instructor, Nursing

- A. A. S., John A. Logan College
- B. S., McKendree University
- B. S., Southern Illinois University
- erinmcguire@jalc.edu – Ext. 8210

Colleen McLaughlin, Director of Preschool

- B. A., Columbia College Chicago
- M. S., Southern Illinois University
- colleenmclaughlin@jalc.edu – Ext. 8241

Marie Meacham, DHS Subsidy Case Manager

- A. A. S., John A. Logan College
- mariemeacham@jalc.edu – 618.985.5980, Ext. 1226

Mike Middleton, Retention Facilitator

- B.A., Southern Illinois University
- Graduate study, Southern Illinois University
- mikemiddleton@jalc.edu – Ext. 8142

Francie Morhet, ABE/GED Counselor

- B. S., Southern Illinois University
- franciemorhet@jalc.edu – Ext. 8901

Megan Moseley, Coordinator of Human Resources

- A. S., Southeastern Illinois College
- B. S., University of Southern Indiana
- meganmoseley@jalc.edu – Ext. 8640

Betsy Myatt, Director of Accounting Services

- A. S., John A. Logan College
- B. S., Southern Illinois University
- Certified Public Accountant
- elizabethmyatt@jalc.edu – Ext. 8675

Christopher Naegele, Director of Facility Services

- A.S., John A. Logan College
- B. S., Southern Illinois University
- chrisnaegele@jalc.edu – Ext. 8624

Valerie Newberry, Coordinator, Diagnostic Medical Sonography and Instructor, Diagnostic Medical Sonography

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Ph. D., Southern Illinois University
- valerienewberry@jalc.edu – Ext. 8622

Steve O'Keefe, Director of College Relations

- B. P. A., University of Mississippi
- M. S., Southern Illinois University
- Ed.D., Oakland City University
- steveokeefe@jalc.edu – Ext. 8569

Denise Orrill, Instructor, Practical Nursing

- B. S. N., McKendree College
- M. S. N., Frontier School of Midwifery & Family Nursing
- D. N. P., Brandman University
- deniseorrill@jalc.edu – 618.542.9210

Melanie Pecord, Acting Vice President for Instruction

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Advanced graduate study, Grand Canyon University, AZ
- melaniepecord@jalc.edu – Ext. 8262

Martha Peebles, Instructor, Medical Assisting

- B. S. N., Graceland College
- marthapeebles@jalc.edu – 618.932.6639

Susan Phillips, Coordinator of Allied Health Admission

- A. S., John A. Logan College
- B. S., Southern Illinois University
- susanphillips@jalc.edu – Ext. 8497

Kemberly Pinto, Assistant Professor, Spanish

- A. S., John A. Logan College
- B. A., Southern Illinois University
- M. A., Southern Illinois University
- kempinto@jalc.edu – Ext. 8315

Beth Porritt, Coordinator, West Frankfort Extension Center

- A. S., Southern Illinois University
- B. S., Southern Illinois University
- bethporritt@jalc.edu – 618.932.6639

Donald Priddy, Director of Emergency Planning & Risk Management

- B. S., Southern Illinois University
- donpriddy@jalc.edu – Ext. 8162

Eric Pulley, Director of Institutional Research

- B. S., Southern Illinois University
- M. B. A., Southern Illinois University
- ericpulley@jalc.edu – Ext. 8655

Krystal Reagan, Associate Dean of Distance Learning

- B. A., Southern Illinois University
- M.Ed., Lesley University
- krystalreagan@jalc.edu – Ext. 8596

John A. Reeder, Advisor/Counselor

- A. T., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- johnreeder@jalc.edu – Ext. 8509

Joseph Roach, Instructor, Auto Services/Auto Collision

- B. S. Southern Illinois University
- M. S. Southern Illinois University
- A. S. E. Certified, Master Automotive Technician
- josephroach@jalc.edu – Ext. 8445

Mark Rogers, Assistant Professor, Computer Information Systems and Electronics

- A. A. S., John A. Logan College
- B. S., Southern Illinois University
- M.S., American InterContinental University
- A+ Certification
- Net+ Certification
- Security+ Certification
- CWNA Certification
- markrogers@jalc.edu – Ext. 8679

Casey Rose, Assistant Women's Basketball Coach

- B. S., Southern Illinois University
- M.S., Southern Illinois University
- caseyrose@jalc.edu – Ext. 8421

J. Adam Rubin, Reference Librarian

- B. S., Central Michigan University
- M. L. S., Indiana University
- adamrubin@jalc.edu – Ext. 8279

Debra Russell, Instructor, Nursing

- B. S. N., Murray State
- M. S. N., St. Louis University
- debrarussell@jalc.edu – Ext. 8340

Mikolaj "Mik" Sawicki, Professor, Physics and Astronomy

- M. S., Warsaw University, Poland
- Ph.D., Warsaw University, Poland
- Habilitation (venia docendi), Warsaw University, Poland
- mikolajsawicki@jalc.edu – Ext. 8292

Staci Shafer, Executive Director for John A. Logan College Foundation

- B. A., Southern Illinois University
- stacishafer@jalc.edu – Ext. 8472

Valerie Shaw, Instructor, Interpreter Preparation/ASL Deaf Studies

- B. A., Mac Murray College
- M. A., Southern Illinois University Edwardsville
- valerieshaw@jalc.edu – Ext. 8456

Amanda Shelby, Academic Advisor, Head Women's Basketball Coach

- B. S., Southern Illinois University-Edwardsville
- M. S., Southern Illinois University
- amandashelby@jalc.edu – Ext. 8595

Kristin Shelby, Advisor/Counselor

- A. A., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Advanced graduate study, Southern Illinois University
- kristinshelby@jalc.edu – Ext. 8459

Gina Simpkins, Counselor/Facilitator for Adult Secondary Education

- B. A., Southern Illinois University
- ginasimpkins@jalc.edu – Ext. 8415

Gary Smith, Business Analyst/Student Financial Planning

- B. S., Illinois State University
- M. S., Southern Illinois University
- A+ Certification, CompTIA
- garysmith@jalc.edu – Ext. 8574

Kyle Smithpeters, Advisor/Head Men's Basketball Coach

- A. S., Southeastern Illinois College
- B. S., Southern Illinois University
- kylesmithpeters@jalc.edu – Ext. 8320

Jason Snider, Associate Director of Revenue

- A. A. S., John A. Logan College
- B. S., Southern Illinois University
- M. B. A., Missouri Baptist University
- jasonsnider@jalc.edu – Ext. 8615

April Stanly, Director of Term Faculty Instruction

- B. S., Southern Illinois University
- aprilstanly@jalc.edu – Ext. 8651

Greg Starrick, Director of Athletics

- B. S., Southern Illinois University
- gregstarrick@jalc.edu – Ext. 8373

Beth Stephens, Coordinator of Career Services

- A. A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- bethstephens@jalc.edu – Ext. 8237

Gregory Stettler, Director of Continuing Education

- A. S., John A. Logan College
- B. A., Southern Illinois University
- M. P. A., Southern Illinois University
- gregstettler@jalc.edu – Ext. 8401

Robyn Stevens, Instructor, English

- B. A., Purdue University
- M. A., Southern Illinois University
- M. S., Southern Illinois University
- Teaching Certificate in English, Speech, Spanish; Southern Illinois University
- robynstevens@jalc.edu – Ext. 8395

Christy Stewart, Associate Dean of Admissions

- B. A., Southern Illinois University
- M. P. A., Southern Illinois University
- christystewart@jalc.edu – Ext. 8678

Jason Stutes, Instructor, Heating and Air Conditioning

- A. A. S. John A. Logan College
- B. S. Southern Illinois University
- jasonstutes@jalc.edu – Ext. 8251

Sherry Summary, Director of Student Financial Assistance

- B. S., Southern Illinois University
- M. A., Rockford College
- sherrysummary@jalc.edu – Ext. 8257

Kyle Surprenant, Advisor/Head Baseball Coach

- A. A., Kankakee Community College
- B. A., Western Illinois University
- M. S., Southern Illinois University
- kylesurprenant@jalc.edu – Ext. 8058

R. J. Sussman, Director of IT Policy, Resource & Communications

- B. A., Southern Illinois University
- M. S., Southern Illinois University
- Advanced graduate study, Southern Illinois University
- rjsussman@jalc.edu – Ext. 8316

Karla Tabing, Director of ABE/GED

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- karlatabing@jalc.edu – Ext. 8539

Jason Tanner, Professor, Business

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Ph.D., Southern Illinois University
- jasontanner@jalc.edu – Ext. 8170

Gary Tendick, Coordinator of Institutional Research

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- garytendick@jalc.edu – Ext. 8267

Cheryl L. Thomas, Department Chair of Life and Physical Science and Assistant Professor for Biology

- B. S., University of Illinois
- M. S., Southern Illinois University
- cherylthomas@jalc.edu - 8380

Marilyn Toliver, Professor, Early Childhood Education

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Ph.D., Southern Illinois University
- marilyntoliver@jalc.edu – Ext. 8468

Sue Trammell, Assistant Professor, Biology; Coordinator of International Studies

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- Ph.D., Southern Illinois University
- Graduate Teaching Certificate ESL, Southern Illinois University – Edwardsville
- suetrammell@jalc.edu – Ext. 8324

Drew Tucker, Instructor, Art

- B. F. A., Comish College of the Arts
- M. F. A., School of Visual Arts, New York
- drewtucker@jalc.edu – Ext. 8310

Angela Turini, Coordinator of Testing Services

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- angieturini@jalc.edu – Ext. 8247

Roger Von Lanken, Coordinator, Alongi Du Quoin Extension Center

- B. S., Eastern Illinois University
- M. S., Eastern Illinois University
- rogervonlanken@jalc.edu – 618.542.9210

Gregory Walker, Department Chair of Applied Technologies and Instructor, Construction Management

- A. A. S., Southern Illinois University
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- gregwalker@jalc.edu – Ext. 8623

Nina Wargel, Coordinator of Quality Services

- B. S., University of Illinois
- ninawargel@jalc.edu – 618.985.5980, Ext. 1229

Scott Wernsman, Director of Dual Credit and Partnerships

- A. A., Kaskaskia College
- B. S., Eastern Illinois University
- M. B. A., Lindenwood University
- scottwernsman@jalc.edu – Ext. 8403

Dennis White, Director, Center for Business and Industry

- A. A. S., John A. Logan College
- B. S., Southern Illinois University
- M. A., Webster University
- denniswhite@jalc.edu – Ext. 8534

Jessica Whitehead, Assistant Volleyball Coach

- B. S., Southern Illinois University
- jessicawhitehead@jalc.edu – Ext. 8301

Kylee Williams, CIS Instructor

- A.A., Kaskaskia College
- kyleewilliams@jalc.edu – Ext. 8462

Tim Williams, Dean of Student Services

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- timwilliams@jalc.edu – Ext. 8101

Matt Yusko, Advisor/Counselor

- A. S., A. A., John A. Logan College
- B. S., Murray State University
- M. S., Southern Illinois University
- Advanced graduate study, Oakland City University
- mattyusko@jalc.edu – Ext. 8478

Sue Zamora, Director of Purchasing and Auxiliary Services

- A. A. S., Southern Illinois University
- B. S., Southern Illinois University
- M. B. A., Southern Illinois University
- suezamora@jalc.edu – Ext. 8260

Southern Illinois Collegiate Common Market

Mary Sullivan, Executive Director

- msullivan@siccm.com – 618.942.6902

Vicki Bond, Executive Secretary, Bookkeeper

- vbond@siccm.com – 618.942.6902

Nicolette Dolin, Grants Administrator Assistant

- ndolin@siccm.com – 618.942.6902

Pam Gibbs, Chief Financial Officer

- pgibbs@siccm.com – 618.942.6902

Leann Greenwell, Director, Veterinary Technology Program

- B. S., Murray State University
- D.V.M., Auburn University
- lgreenwell@siccm.com – 618.942.6902

Jennifer Jordan, Director, Surgical Technology Program

- C.S.T., John A Logan College
- jjordan@siccm.com – 618.942.6902

Maegan King, B.S., COTAIL, Academic Fieldwork Coordinator, Occupational Therapy Assistant Program

- A. S., University of Southern Indiana
- B. S., University of Southern Indiana
- M. S., University of Findlay
- mking@siccm.com – 618.942.6902

Michelle Lampley, Director of Medical Laboratory Technology

- A. A. S., Rend Lake College
- B. S., Midcontinent University
- MHA., Ohio University
- mlampley@siccm.com – 618.942.6902

Kim Langley, M.A., COTAIL, Director, Occupational Therapy Assistant Program

- A. S., Southeastern Illinois College
- A. S., Indiana University
- B. S., Southern Illinois University Carbondale
- M.A. Ed., McKendree University

- klangley@siccm.com – 618.942.6902

Barbara Milam, Grants Assistant

- bmilam@siccm.com – 618.942.6902

Jamie Morgan, Faculty Instructor, Veterinary Technology Program

- B. S., Murray State University
- jsteffy@siccm.com – 618.942.6902

Cooperative Mining Technology (CMT) Program

Mike Thomas, Dean of Mining

Sibyl Janello, Coordinator of Records and Registration

Amy Johnson, Administrative Assistant

Michelle McLaskey, Administrative Assistant

Laurel Taylor, Business Services

Continuing Education Area Community Coordinators

Michaelann Stanley

(Carterville, Crainville, Energy, Herrin)

Delores Brown

(Carbondale, De Soto)

Kim Neace

(Murphysboro)

Beth Porritt

(West Frankfort, Johnston City)

Landa Stettler

(Crab Orchard, Marion)

Roger Von Lanken

(Ava, Du Quoin, Trico, Alongi Du Quoin Extension Center)