

A bronze statue of John A. Logan, a man with a beard and a top hat, standing with his right arm raised. The background is a blue sky with white clouds.

2018 - 2019 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 62918

(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
Fax: 618-942-6658

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.

Table of Contents

JOHN A. LOGAN COLLEGE FACTS.....	5	General Information	21
<i>History of John A Logan College</i>	<i>6</i>	Student Loans	22
MESSAGE FROM THE PRESIDENT	7	Return of Funds	22
BOARD OF TRUSTEES	8	FACTS Payment Plan	22
OFFICERS OF THE COLLEGE	8	Satisfactory Academic Progress Requirements for All Veterans' Benefits.....	22
JOHN A LOGAN COLLEGE DIRECTORY.....	9	Withdrawals Prior to 60% Completion Point	23
COLLEGE LOCATIONS.....	13	Financial Aid Policy For Withdrawal or Non-Attendance In All Courses	23
Main Campus	13	Post Withdrawal Disbursements	24
Driving Directions.....	13	Scholarship Opportunities	24
JOHN A. LOGAN COLLEGE EXTENSION CENTERS.....	13	ADMISSIONS INFORMATION	25
Alongi Du Quoin Extension Center	14	Academic and Career Advisement and Counseling	25
West Frankfort Extension Center	14	Math and English Course Placement	25
SICCM - Southern Illinois Collegiate Common Market	14	International Student Admission	26
STATEMENT OF		Student Identification Information	26
MISSION/GOALS/VISION/PHILOSOPHY/CORE		Readmission.....	27
VALUES.....	15	Re-Entry Nursing Students.....	27
MISSION STATEMENT POLICY 3110.....	15	Nursing Transfer Students	27
MISSION GOALS.....	15	Baccalaureate Transfer Program	28
PHILOSOPHY POLICY 3111.....	15	GRADUATION INFORMATION.....	32
CORE VALUES POLICY 3112	15	TRANSFER INFORMATION	32
VISION: LEARNING FOR LIFE POLICY 3113	15	ACADEMIC POLICIES AND REGULATIONS	33
ACCOUNTABILITY.....	16	Student Classification	33
ASSESSMENT	16	Academic Achievement Student Recognition.....	33
STUDENT LEARNING OUTCOMES.....	16	Appeals Involving the Placement of Students on Academic Suspension.....	33
Equal Opportunity Statement for Students and Employees (Board Policy 3510)	17	Credit Hours.....	33
Educational Guarantees.....	18	Summer Honors Institute	34
Release of Student Information and Access to Student Records (Board Policy 8430)	18	Student Attendance Policy (Board Policy 8410/Administrative Procedure 821)	37
Student Grievance/Complaints (Board Policy 8316).....	18	Course Withdrawal	37
Administration of the Freedom of Information Act (Board Policy 8431).....	18	Audit Policy (Board Policy 7340).....	38
TUITION AND FEES	18	Academic Programs and Requirements.....	38
Tuition (Board Policy 7310).....	18	General Program Requirements	39
Establishment of Fees (Board Policy 7315)	20	Waiver of Academic Requirements	39
FACTS Payment Plan	20	Institutional Responsibility	39
Pre-Registration, Tuition and Fees (Board Policy 7332)	20	Student Responsibility	40
Refund Policy (.....	20	Reverse Transfer	40
Consumer Statement	20	Higher Educational Opportunity Act.....	40
Financial Responsibility	20	Rights Under the Family Educational Rights and Privacy Act	40
Debt Collection (Board Policy 7180).....	20	STUDENT SUPPORT SERVICES	41
Charge-back (Board Policy 7350)	20	Academic Advisement	41
Employer In-District	20	Student Success Center	41
FINANCIAL AID AND SCHOLARSHIPS	21	The TRIO Program.....	41
		Tutoring:	41
		Disability Support Services.....	41
		Educational Workshops	42
		Personal Counseling.....	42

The Write Place	42	Evening Credit Courses and Programs	46
Career Services	42	Block Scheduling	46
Career Testing	42	Virtual/Hybrid Offerings	46
Off-Campus Employment	42	Virtual Courses.....	46
On-Campus Employment	42	Hybrid	46
Emergency Text/Email Messaging System (JALCtext)	42	BACCALAUREATE TRANSFER PROGRAM.....	47
Learning Resources Center (LRC)	42	Credit Hour Requirements for	47
Library Services	43	Associate in Arts Degree	47
Teaching Learning Center (TLC).....	43	Credit Hour Requirements for	47
Learning Laboratory	43	Associate in Science Degree	47
Student Multimedia Center	43	CAREER EDUCATION	55
Media Distribution	43	Credit Hour Requirements for	55
Graphics Services	43	Associate in Applied Science Degree	55
College Website:	43	Summary of Career Education Programs.....	55
Distance Learning (Online Courses)	43	Career Education Advisory Committees	55
Internship Program	44	General Advisory Committees (Board Policy 3220)	56
Campus Police	44	WORKFORCE DEVELOPMENT & ADULT EDUCATION ..	56
Parking	44	Adult Basic Education (ABE) Program	56
Public Transportation.....	44	Adult Secondary Education (ASE) Program.....	56
STUDENT LIFE	45	Early School Leavers Program.....	56
Athletic Program	45	General Educational Development.....	57
Student Activities and Cultural Events	45	(GED) Classes	57
Clubs and Organizations.....	45	The Literacy Program.....	57
Student Government	45	Center for Business and Industry.....	57
Student Publication.....	45	Procurement Technical Assistance Center.....	57
Performing Arts.....	45	DEGREE WORKSHEETS AND PROGRAM GUIDES	59
Special Events.....	45	COURSE DESCRIPTIONS	168
Campus Information Services	45	FACULTY AND PROFESSIONAL STAFF	292
Study Abroad Policy (Board Policy 3374)	45		
FSA Eligibility for Study Abroad	46		
NON-TRADITIONAL SCHEDULING OPTIONS	46		

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 SICCM – Southern Illinois Collegiate Common Market, located at 3213 S Park Avenue, Herrin, IL 62948, 618-942-6902.
<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, Perry and Randolph Counties
<i>Current President:</i>	Ron House, PhD - October, 2015 to present
<i>Current Budget:</i>	\$ 29,467,518 – Budgeted Operating Expenditures
<i>Annual Enrollment:</i>	Approximately 10,967 full and part-time students
<i>Tuition:</i>	In-district \$115 for FY 2018
<i>Library:</i>	51,994 physical collections 35,039 number of books 124 magazines and journals 12,778 government documents 673 DVD 3,087 VHS 28,471 Pro Quest Central 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.

Faculty/Staff: 655 employees, 66 full-time faculty, 147 term faculty, 242 part-time staff, and 200 full-time staff

Programs of Study: Associate of Arts
Associate in Science
Associate in Applied Science (32)
Certificates of Achievement (32)
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)

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 a variety of 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, recognized by the Illinois Community College Board, and the Illinois Department of Education and Illinois Department of Veteran Affairs. 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.

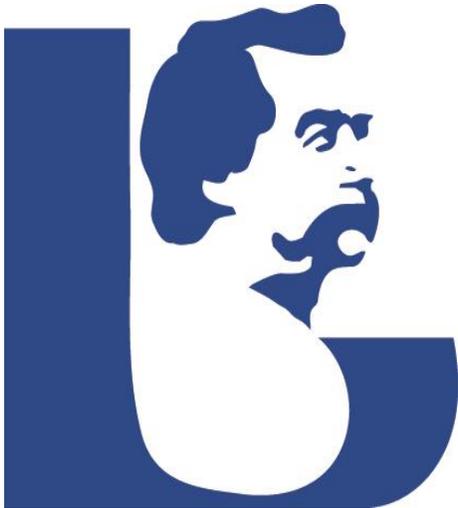
Cordially,

A handwritten signature in cursive script that reads "Ronald K House".

Ron K. House, PhD

President

Board of Trustees



William J. Kilquist, Chair
Jacob “Jake” Rendleman, Vice Chair
Mandy Little, Secretary
Rebecca Borgsmiller
Ray Hancock
William Orrill
Glen Poshard
Hanna David, 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 618/985-3741

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.....	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	

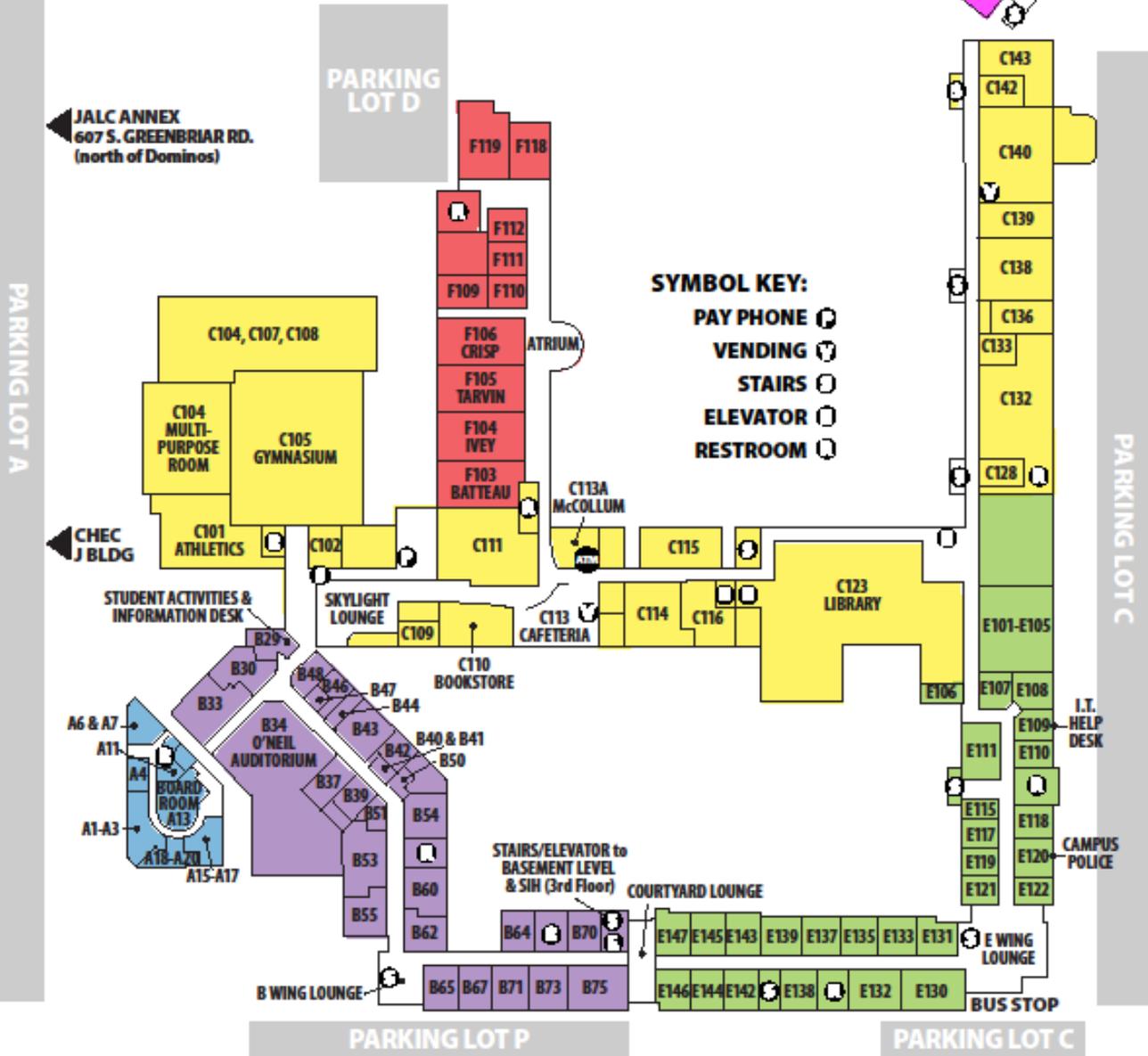
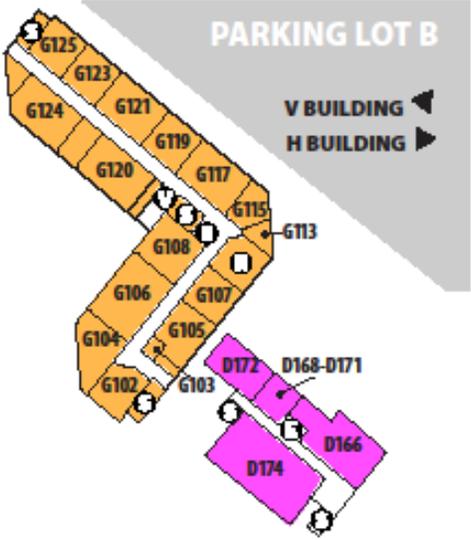
**John A. Logan College Instructional Calendar
2018-2019**

Fall Semester 2018	
<p>Advisement Continuing students.....April 2 New students.....April 16</p> <p>Academic Year Faculty & Staff Meeting...August 14</p> <p>Late Registration.....August 9-August 21 Last Day to Register.....August 21</p> <p>Instruction begins..... Aug. 15, 2018</p> <p>Block Scheduling first half.....Aug. 15 (W)—Oct. 9 (T) second half.....Oct. 10 (W)—Dec.10 (M)</p>	<p>Last day to withdraw with 100% refund first half block.....August 21 full semester courses.....August 28 second half block.....October 16</p> <p>Last day to withdraw with “W” grade first half block..... September 28 full semester courses and second half block.....November 23</p> <p>Holidays Labor Day (M).....September 3 Veteran’s Day (M).....November 12 Thanksgiving Break .....November 19—23 Final exams (T-F).....December 11-14</p>
Spring Semester 2019	
<p>Advisement Continuing students.....October 29 New students.....November 13</p> <p>Late Registration .....January 8-January 17 Last Day to Register.....January 17</p> <p>Instruction begins.....Jan. 14, 2019</p> <p>Block Scheduling first half.....January14 (M)- March 8(F) second half.....March18 (M)-May10 (F) Last day to withdraw with 100% refund first half block.....January 20 full semester courses.....January 27 second half.....March 24</p>	<p>Last day to withdraw with “W” grade first half block.....February 22 full semester and second half block.....April 26</p> <p>Holidays New Year’s Day.....January 1 Martin Luther King’s Birthday.....January 21 President’s Day.....February 18 Spring Break (Mon.—Sat.).....March 11-16 Good Friday (F).....April 19 Memorial Day (M).....May 27 Final exams (M-TH).....May13-16</p> <p>Commencement.....May 16 & 17</p>
Summer Semester 2019	
<p>Advisement Continuing students.....April 1 New students.....April 15</p> <p>Late Registration.....June 3-June 11 Last day to register.....June 11</p> <p>Instruction begins .....June 10, 2019</p>	<p>Last day to withdraw with 100% refund.....June 16 Last day to withdraw-first block with a “W” grade....June 27 Last day to withdraw with “W” grade.....July 18 Holiday—Independence Day (TH).....July 4 Final Exams (TH).....August 1</p>

* 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.

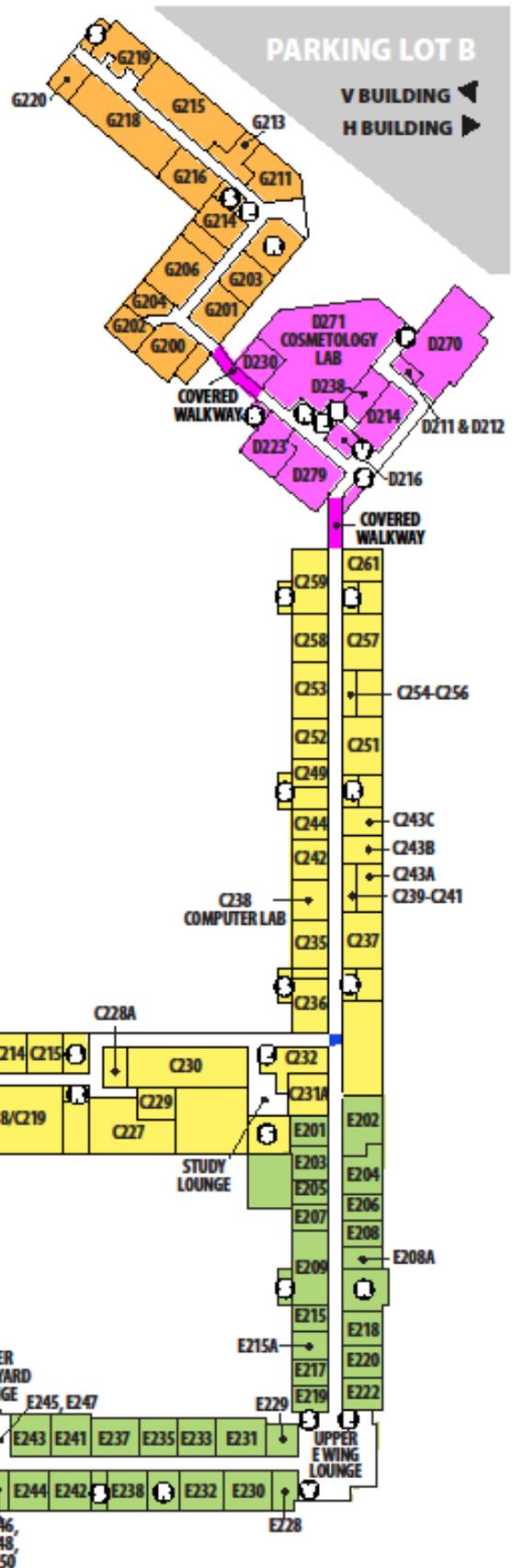
JOHN A. LOGAN COLLEGE MAIN CAMPUS FIRST FLOOR

- ATHLETICSC101
- BOOKSTOREC110
- CAMPUS POLICEE120
- CONFERENCE CENTER F WING
(BATTEAU, IVEY, TARVIN, & CRISP)
- DENTAL CLINIC D174
- FOUNDATION B33
- HUMAN RESOURCESC116
- I.T. HELP DESKE109
- MCCOLLUM ROOMC113A
- 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 🚻

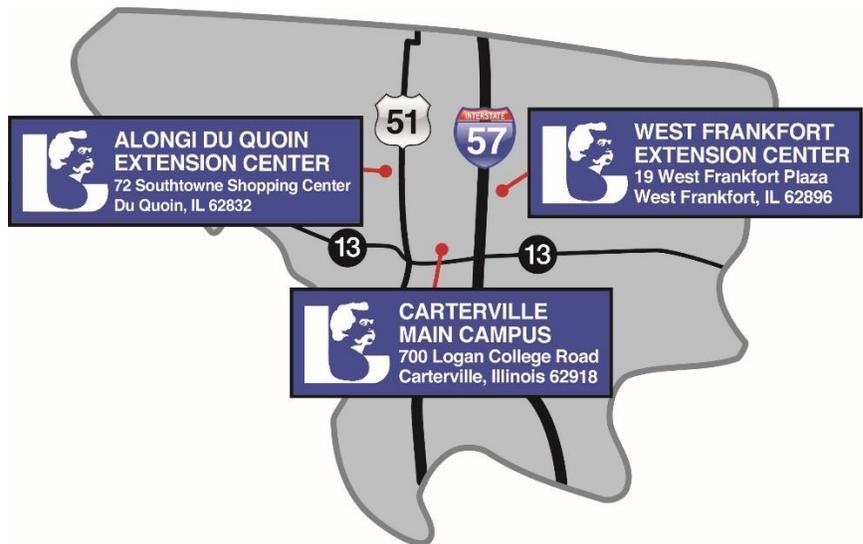
College Locations



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

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

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/Goals/Vision/Philosophy/Core Values

Mission Statement Policy 3110

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.

Philosophy Policy 3111

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 Policy 3112

- **Responsibility**
We accept responsibility for our own actions and accountability for the use, preservation, and enhancement of human and material resources.
- **Respect**
While recognizing and valuing the dignity and uniqueness of every person, we are committed to creating a community where everyone is appreciated and considered for their contributions and performance.
- **Integrity**
We are committed to creating trust and confidence in our college community that acts with honesty and forthrightness, holding ourselves to high academic and ethical standards.
- **Compassion**
We respond to the feelings of each person with kindness, concern, and empathy for their needs.
- **Service**
We are committed to the cultivation of positive relationships and common experiences among students, faculty, staff and communities we serve.

Vision: Learning for Life Policy 3113

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

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.
 - c. Use evidence from a variety of credible sources, including literary texts, to support conclusions.
 - d. Apply principles that guide the aesthetic valuation of a work or movement within a discipline and articulate subjective preference.
 - e. Apply the scientific method, empirical methods, and/or testing processes as appropriate.
 - f. Evaluate the relevance and credibility of evidence.
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 C116
 Carterville, Illinois 62918
 Telephone: (618) 985-2828, Ext. 8589,
 or TTY (618) 985-2752

Students should contact:
 John A. Logan College
 Vice-President for Instruction
 700 Logan College Road, Room A15
 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/Compliant 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. **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 Grievance/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 grievances/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 following Board Policy 8431 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):

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 the per capita cost less state 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.

**These figures were accurate at the time the catalog was published.
Tuition and fee rates are subject to change. Consult website for current rate.**

Tuition – In-District	\$115.00 per credit hour
Tuition – Online/Hybrid Courses	\$127.00 per credit hour *DNA, ADN, PNE, DMS Programs will have variable tuition rates
Tuition – Out-of-District	\$173.00 per credit hour
Tuition – Out-of-State	\$193.00 per credit hour
Tuition – International	\$383.00 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: <ul style="list-style-type: none"> *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.
Tuition and fee rates are subject to change. Consult website for current rate.**

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 following **Board Policy 7370**.

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.

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)

In-district tuition for 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.

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 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 Career Services 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 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 7320**
 - 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 7320** .

Scholarship Opportunities

Complete just one online application at the JALC Foundation’s website and you will be considered for hundreds of scholarship opportunities. Visit the Foundation’s page on the JALC website and click on “apply online” to access the online application. You can find a complete list of available scholarships on

the page as well. Once completing the application it will give you a list of scholarships that you meet the criteria for. You will be notified if you are selected for a scholarship. If you need assistance completing the application, or have questions about scholarships, please contact the Foundation office at 985-3741 ext. 8355 or stop by our office, B33 and we will be more than happy to help you.

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) Refer to policy for criteria for full admission to 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 2018-2019 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.

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

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	

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 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](#) .

New Student Information 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. In order to receive your JALC ID you will need to

show a photo ID and proof of registration at the College.

- 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.
- Select your refund preference 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.
- If you're taking online classes, complete the "Introduction to Online Learning" orientation. At jalc.edu click "JALC A-Z" and "Online Learning." Under the Online Learning menu, click "**Desire 2 Learn**."
- Purchase textbooks and workbooks for all of your classes.

MyJALC Student Portal Guide

To access the Student Portal...

1. Go to the John A. Logan College home page at jalc.edu.
2. Click the blue **MyJALC** tab in the top right corner.
3. Click the **Login** button at the top of the page.
4. Enter your username (VOLmail address) and password (same password for VOLmail and Desire2Learn). Your VOLmail address is your first initial, last name, and the last four numbers of your JALC ID number, followed by @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.

To view your bill and schedule, and make a payment...

1. Once you are logged into the system you will be on the **Home** tab.
2. From the **Home** tab, click on "**Student Home**" located in the top left column under **MyJALC**.
3. To view your bill, scroll down until you see **My Student Information**. Click on "**Course and Fee Statement**" and then select the semester in the drop down box. Then click "**Generate My Course and Fee Statement**" followed by "**View My Course and Fee Statement**". Depending on your browser, you may need to select the circle next to "Open with Adobe Reader" and click OK to open your bill, or open the downloaded PDF file.
4. To pay your bill under **My Student Information**, click on "**My Account Balances**". From here you can sign up for a payment plan, make a credit card

payment, or view transactions for a specific semester.

5. To view your schedule scroll down until you see **My Course Schedule**. Next click "**View Details**" and select the semester from the drop down box. You can view and print your schedule from here.

To add and drop classes...

1. Click on the **Students** tab across the top of the page. Click the "**Add/drop classes**" tab in the left column. Click on the "Add/drop classes" icon and select the semester. If you have a restriction or receive an error message when you try to register, you will need to contact the college for further assistance.
2. There are other tabs located in your **MyJALC Portal** that you will find useful. The links for VOLmail, Desire2Learn, and other information are located on your page.

To view a list of required textbooks...

1. Click on the **Students** tab across the top of the page. Click the "**Add/drop classes**" tab in the left column. Click on the "Add/drop classes" icon and select the semester.
2. At the bottom of the page you will see "My Schedule (Registered)" and a list of your classes. Next to each class click on the "Buy Books" link to view the required textbooks for the course. This will link you to the Bookstore page and allow you to purchase your books by clicking on the "+" next to each required textbook.

***In order to avoid being dropped from classes for nonpayment bills are due by June 6, 2018 for the summer semester and August 8, 2018 for the fall semester. If you enroll during late registration, you need to make a payment or set up a payment plan at that time to avoid late fees and/or being dropped from classes. You may drop courses through the Portal or with an advisor during the 100% drop period to avoid owing tuition and fees.**

Graduation Information

General Program and Residency Requirements for Graduation (Board Policy 8244): Residence requirements must be satisfied for graduation from John A. Logan College.

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

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

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.

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**.

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*. For enrollment verification purposes, a student must be enrolled in twelve credit hours (six hours during the summer term) to be classified as a full-time student. To be classified as part-time, a student must be enrolled in at least six credit hours (three hours during the summer term). In order to enroll in more than eighteen credit hours during a semester (eight hours during the summer term) a student must have permission from the dean of student services.

Grading System

- A Excellent (4 grade points)
- B Good (3 grade points)
- C Average (2 grade points)
- D Poor (1 grade point)
- E Failing (0 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 convert to an E if not completed by the end of the following semester, excluding summer semester.**
- 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.
- R Denotes repeat course.
- P Pass (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 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 of the two grades will be recorded on the transcript and used in computing the cumulative grade-point average.

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 minimum 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 **Office of Admissions and Records. It is up to the College to determine if the awarded credit is used to satisfy elective, general education, or major credit.**

The credit and advanced placement will be granted **in accordance with the College Board and National Merit Scholarship’s AP scoring guidelines.**

Dual Credit and Dual Enrollment Courses (Board Policy 8243): Dual Credit and Dual Enrollment definitions are outlined in Board Policy 8243. For more information, contact the office for Dual Credit/Dual Enrollment or 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/Administrative Procedure 803): College credit may be awarded through the College Level Examination Program (CLEP).

John A. Logan College awards credit for satisfactory performance on both the General Examinations and the Subject Examinations developed and administered through the College Level Examination Program Board (collegeboard.com). The General Examinations cover comprehensive content of a study which would be covered by several introductory-level courses, while the Subject Examinations cover more specific content of a single college-level course. These exams allow students who have acquired knowledge outside the traditional classroom setting - through independent study, on-the-job training, or cultural inquiry - to gain recognition of mastering college-level material by receiving introductory course credit. Through the College Level Examination Program (CLEP) students may apply for credit, which may substitute for one or more courses. Listed below are the minimum required scores and the credit awarded for each CLEP exam. The exams listed below are the only CLEP exams which will be accepted for credit.

If prior to taking a CLEP examination the student has received a grade (including a W or an audit) or has enrolled in college-level work in any discipline included in the CLEP exam they shall be ineligible for credit. (Military credit does not constitute prior coursework). A maximum of 30 hours of proficiency credit, including CLEP, Advanced Placement, departmental and Core Curriculum proficiency

exams, will be accepted toward an Associate degree. Please note that other educational institutions may require a higher score for certain subjects than what is required for credit at JALC. In

this situation, other institutions may not recognize college-level examination program credit issued by JALC.

CLEP GENERAL EXAMINATIONS		
Exam	Paper/Computer Score	Credit Awarded (semester hours)
Natural Science	52 or above	6 hours core curriculum Science
Social Sciences and History	52 or above	6 hours core curriculum Social Science
Humanities	52 or above	6 hours core curriculum Humanities
College Composition	61 or above	6 hours (English 101 and 102)
College Mathematics	58 or higher	3 hours (Math 113)
CLEP SUBJECT EXAMINATIONS		
Exam	Minimum Score	JALC Equivalent
<i>Composition and Literature</i>		
American Literature	50	LIT 280 (3 hours)
English Literature	50	LIT 280 (3 hours)
<i>History and Social Sciences</i>		
American Government	50	PSC 131 (3 hours)
History of US I: Colonization to 1877	50	HIS 201 (3 hours)
History of US II: 1865 to present	50	HIS 202 (3 hours)
Human Growth and Development	50	EDC 202 (3 hours)
CLEP SUBJECT EXAMINATIONS (continued)		
Exam	Minimum Score	JALC Equivalent
Principles of Macroeconomics	50	ECO 201 (3 hours)
Principles of Microeconomics	50	ECO 202 (3 hours)
Introductory Psychology	50	PSY 132 (3 hours)
Introductory Sociology	50	SOC 133 (3 hours)
Western Civilization I	50	HIS 101 (3 hours)
Western Civilization II	50	HIS 102 (3 hours)
<i>Science and Mathematics</i>		
Biology	50	BIO 101 (4 hours)
Calculus	50	MAT 131 (5 hours)
Chemistry	50	General Elective Physical Science (3 hours)
College Algebra	50	MAT 108 (3 hours)
Pre-Calculus	50	MAT 111 (5 hours)
<i>Business</i>		

Financial Accounting	65	ACC 200 and 201 (6 hours)
Information Sys. & Computer App.	50	CIS 207 (3 hours)
<i>Foreign Languages</i>		
German – College Level 1	35/50	GER 101 & 102 (8 hours)
German – College Level 2	42/63	GER 101, 102, & 201 (12 hours)
Spanish – College Level 1	45/50	SPN 101 & 102 (8 hours)
Spanish – College Level 2	50/63	SPN 101, 102, & 201 (12 hours)

Student Attendance Policy (Board Policy 8410/Administrative Procedure 821)

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:

Student-Initiated Withdrawal: 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 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 5 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.

Administrative Procedure to Withdraw a Student:

- The appropriate College administrator or faculty member will notify the Admissions and Records Office in writing or through email requesting the student be withdrawn. Once the documentation is received, the student will be formally withdrawn from the course.
- The student will then receive email notification of the withdrawal from the Admissions and Records Office. The notification will outline the student's appeal options if they wish to re-enroll in the course.
- If a student wishes to challenge a "withdrawal" grade, they will have due process as with the appeal of any other

grade. Such students should obtain a Special Exemption Form from the Admissions and Records Office and submit the appeal to the Office of the Dean for Student Services (Article III, Section 2 of the *Rights and Responsibility: A Student Code of Conduct* handbook.)

- A faculty member granting a student's appeal to be re-enrolled in a course must notify the Admissions and Records Office in writing or through email. The office will then officially re-enroll the student.
- "Withdrawal" grades may not be issued after the last day to drop a course for the semester as noted in the Instructional Calendar.

Audit Policy (Board Policy 7340): Registered students who do not desire or feel qualified to complete a particular course may request to audit.

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): John A. Logan College is a smoke free campus.

Rights and Responsibilities Handbook: 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.

All information contained in this document must be in compliance with federal and state law, and current John A. Logan College Board Policies and Administrative Procedures.

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, social sciences, 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 to complete an intake at least six weeks prior to the beginning of the semester in which they plan to attend in order to initiate services. 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. An [Accommodation Request Form](#) is available on the DSS website or in room C-219.

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, fitness and nutrition, 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. Crisis counsel is available in the Student Success Center, C-219.

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 a 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 can also receive technical assistance with online courses here.

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 provides 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 (Room 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 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 window 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).

For more information, visit JALC Athletics or contact the Athletic Department in C-101 or call 618-985-2828 Ext. 8369.

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 Department of Communication, Humanities, and Social Science.

Performing Arts: Theatrical plays, musicals, and concerts are presented throughout the year. Tickets are reasonably priced for all audiences, and students receive further discounts. Daytime performances are 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 College offers a wide range of community and K – 12 events organized by multiple departments. For more information, visit the [events calendar](#) or contact Facility Scheduling at 618-985-2828 Ext. 8343.

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.

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](#)."

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.)

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 and Behavioral 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 [Program Guide Associate in Arts](#).

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:

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.

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.

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

may 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. In some cases, we have included these requirements into the A.S. degree curriculum guide.

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	MTH	Mathematics
IAI	MC	Media and Communication Arts
IAI	PHY	Physics
IAI	PLS	Political Science
IAI	PSY	Psychology
IAI	SOC	Sociology
IAI	TA	Theater Arts

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 for Science Majors	4	L1 910L	GECC
BIO 101	Biological Science for Science Majors	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	4	L1 904L	GECC
BIO 225	Genetics	3	L1 906	GECC
BUS 121	Business Statistics	3	BUS 901	Majors

JALC Course	Title	Credits	IAI Code	GECC/ Majors
CHM 141	General, Organic and Biochemistry I	4	P1 902L	GECC
CHM 151	Chemical Principles	5	P1 902L	GECC
CHM 151	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 for Business	3	BUS 902	Majors
CPS 202	Discrete Structures	3	M1 905	GECC
CPS 202	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 245	The Exceptional Child	3	ECE 913	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
EGR 101	Engineering Graphics	3	EGR 941	Majors
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
FRE 202	Intermediate French II	4	H1 900	GECC
GEO 112	Regional Geography	3	S4 900N	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 210	British Literature	3	H3 912	GECC
LIT 230	American Literature	3	H3 914	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

JALC Course	Title	Credits	IAI Code	GECC/ Majors
MAT 113	Intro to Contemporary Mathematics	3	M1 904	GECC
MAT 116	Finite Mathematics	3	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 II	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	Asian Philosophy	3	H4 903N	GECC
PHL 260	World Religions	3	H5 904N	GECC
PHS 101	Environmental Science (must also take PHS 111)	3	LP 900	GECC
PHS 102	Astronomy	3	P1 906	GECC
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 111	Environmental Science II (must also take PHS 101)	3	LP 901	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

JALC Course	Title	Credits	IAI Code	GECC/ Majors
PSY 132	General Psychology	3	S6 900	GECC
PSY 200	Social Psychology	3	S8 900	GECC
	Social Psychology	3	PSY 908	Majors
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)	4	LP 901L	GECC
SCI 215	Environmental Biology	3	LI 905	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.

General Advisory Committees (Board Policy 3220)

Refer to policy for duties, responsibilities and structure of Career Education Advisory Committee.

Workforce Development & Adult Education

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 Adult Secondary Education (ASE) program at John A. Logan College provides intervention services through: 1) an optional learning opportunity to dropout and potential dropout youth and 2) a credit recovery opportunity to potential dropout youth with academic problems associated with attendance issues.

Services provided in programming include:

1. An intensive, comprehensive, full-day educational program for dropout and potential dropout youth that includes education (academic instruction), academic and personal counseling, support services, community internships, workplace readiness, and volunteer activities.
2. A supportive educational summer and evening program that allows potential dropout youth with truancy issues the opportunity to earn high school credit and remain "on track" for high school graduation.
3. A supportive program of counseling and communication for students, parents, and staff facilitated by on-staff counselors and licensed social workers.
4. A program of assessment and counseling in academic, vocational, and life skill areas.

Type of Service Offered: Truant Intervention (Supplemental Services) and Optional Education/Alternative. Students Served: Potential Dropout and Dropout. Grade of Students Served: 9-12. Age of Students Served: 16-21

Early School Leavers Program

The Early School Leaver Transition Program (ESLTP) is specifically aimed at helping at-risk students become reoriented and motivated to complete their education by allowing students to participate in adult education instruction as well as career and work training activities. Students must be between the ages of 16-21 and not currently attending traditional high school. The program provides assessments and counseling in career and life skills areas, exploration of post-secondary training options by job or class shadowing, develop a career portfolio, receive job-search assistance, and earn credit towards high school

completion. Students interested in more information may call the ESLTP Coordinator.

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 individuals age 17 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 contacting the Literacy Counselor.

Child Care Resource and Referral (CCR&R)

Child Care Resource and Referral (CCR&R) administers the Illinois Department of Human Services Child Care Assistance program for the southern fifteen counties in Illinois. They help eligible students and working families with child care costs. In addition, CCR&R assists families in finding and selecting child care and/or early education programs.

For those providing early care and education in southern Illinois, CCR&R provides training, education and professional development

assistance in meeting state standards and requirements. Quality improvement grants and accreditation support is also available.

Center for Business and Industry

A variety of vocational, customized training, seminars, workshops, and conferences is available to southern Illinois employers 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 supervisory skills, computer software, CPR, occupational health and safety, real estate, and many more. Courses are designed to serve the unique needs of the business and industrial communities for short-term training and non-traditional programs. Instruction is offered at a low cost to area employers. Instruction is carried out by John A. Logan College instructors or by trainers contracted through 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.

John A. Logan College, Office Suite H202.

Workforce Innovation and Opportunity Act (WIOA)

Man-Tra-Con, Corp. is housed on the JALC campus and has grant funding available to assist students with attending college. Students may be eligible for assistance with tuition, fees, books, supplies, transportation, childcare, testing fees, etc. The Man-Tra-Con Career Specialist on campus can provide information in determining eligibility and accessing services under the WIOA program. Man-Tra-Con can also help students with finding employment upon completion of the student's college program. All of these services are provided at no-cost to the student. For additional information, please visit the Man-Tra-Con website at www.mantracon.org.

Community Education Courses

The Community Education Department makes available a comprehensive program of educational activities that designed to meet the needs of district citizens. Enrollment in these classes does not require formal admission to the College. Included in the program are non-transferable courses

for students needing to obtain or retain employment in the workforce, as well as public service courses, public service activities (such as workshops, conferences, and seminars), and other community service activities as needed. Continuing Education Units (CEU's), Continuing Professional Development Units (CPDU's), Continuing Professional Education for Certified Public Account (CPE's) are offered for many professions.

Classes are offered in the following areas: Occupational, massage therapy, real estate, photography, computers, general education, firearms, health care, classes for children, physical education, dance, pet care, homemaking, music, and arts and crafts, as well as the very popular Fitness and Aquatics classes located at our Community Health Education Complex (CHEC).

The public service courses are of a hobby, recreational, or leisure-type nature and a flat fee is charged for students who enroll. Some classes do offer a certificate after successful completion of the course and may be repeated by the student as many times as he or she wishes.

For a current list of Community Education classes, visit <https://www.jalc.edu/continuing-education>

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](#).



John A. Logan College

Associate in Applied Science

Toward a Degree in Accounting

Career Curriculum 00ACC0001
Minimum Hours: 60
Major Code: 1.2 520301C
Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	<u>3</u>	_____
IAI		Physical/Life Science Elective	16	_____

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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.	Grade
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	_____

NOTES AND INFORMATION

<u>Fall Only Courses:</u>	<u>Spring Only Courses:</u>
ACC 218	ACC 105 CIS 105
	ACC 225
	CIS 220
	MGT 112

¹Requires 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 of Academic Affairs 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).

This AAS program is not designed to transfer. Students planning to pursue a baccalaureate degree should enroll in the Associate in Arts-Business degree program.

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.



John A. Logan College

Certificate Toward a Degree in Accounting

Career Curriculum 00ACC0063
Minimum Hours: 30
Major Code: 1.2 520301J
Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ACC	200	Financial Accounting I	3	_____
MAT	113	Introduction to Contemporary Mathematics OR MAT 108 College Algebra OR BUS 111 Business Mathematics	<u>3</u> 6	_____

NOTES AND INFORMATION

<u>Fall Only Courses:</u>		<u>Spring Only Courses:</u>	
ACC	218	ACC	105
		ACC	225
		CIS	220

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 \(00ACC0063\)](#).

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

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	105	Payroll Accounting	3	_____
ACC	201	Financial Accounting II	<u>3</u> 6	_____

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.

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ACC	202	Managerial Accounting	3	_____
ACC	218	Tax Accounting	3	_____
CIS	104	Spreadsheet Design	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	<u>3</u> 12	_____

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	225	Integrated Accounting on Computers	3	_____
CIS	220	Advanced Spreadsheet Design	<u>3</u> 6	_____



Associate in Applied Science

Toward a Degree in

Administrative Assistant

Career Curriculum 00BUS0009
 Minimum Hours: 65
 Major Code: 1.2 520402C
 Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	3 15	_____

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3 18	_____

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3 17	_____

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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		3 15	_____

NOTES AND INFORMATION

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 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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Art

Transfer Curriculum 000AA0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1500701A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
ART 220	_____	_____
ART 221	_____	_____
Humanities Elective	_____	_____

IAI Humanities Electives:

Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
PSY 132 or Social Science Elective	_____	_____
SOC 133 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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 63 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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 follows 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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Art Education

Transfer Curriculum 000AA0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1131302A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
ART 220	_____	_____
ART 221	_____	_____
Humanities Elective	_____	_____

IAI Humanities Electives:

Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
PSY 132	_____	_____
SOC 133	_____	_____
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.

	Sem.	Grade
Physical Science Elective	_____	_____
Life Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 110, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 63 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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).

Helpful tips for applying to a Teacher Education Program may be found [here](#):

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.



John A. Logan College

Associate in Fine Arts Degree

Toward a Pre-Baccalaureate Degree in Art Studio

Transfer Curriculum 00AFA2015
Associate in Fine Arts: 63 Hrs. Min.
Major Code: 1.1500701
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
ART 220	_____	_____
ART 221	_____	_____
Humanities Elective	_____	_____

IAI Humanities Electives:

Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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.

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 113 or MAT 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.

	Sem.	Grade
PSY 132 or SOC 133	_____	_____
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205



John A. Logan College

Associate in Applied Science

Toward a Degree in ASL/Deaf Studies

Career Curriculum IPP 2009
Minimum Hours: 62-63
Major Code: 1.2 161603E
Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ANT	216	Cultural Anthropology OR SOC 215 Diversity in American Life	3	_____
ENG	101	English Composition I ³	3	_____
IPP	111	Non-Verbal Language	3	_____
IPP	141	American Sign Language (ASL I) ^{1,2}	4	_____
MAT	113	Introduction to Contemporary Mathematics*OR BUS 111 Business Mathematics	3 16	_____

NOTES AND INFORMATION

*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.

³ Requires a grade of "C" or higher.

⁴ IPP 144 is taught every other year, during odd numbered years.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	100	Biology for Non-Science Majors	4	_____
IPP	142	American Sign Language (ASL II) ^{1,2}	4	_____
IPP	144	ASL Classifiers	3	_____
IPP	151	Deaf Studies/Culture	3	_____
General Elective			3	_____
			16	

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 Academic Affairs 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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
IPP	143	American Sign Language (ASL III) ¹	5	_____
IPP	211	ASL Linguistics I	3	_____
IPP	278	ASL Vocabulary Building I	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3 14	_____

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IPP	212	ASL Linguistics II	3	_____
IPP	240	Fingerspelling and Numbers I	1	_____
IPP	241	Fingerspelling and Numbers II	1	_____
IPP	244	ASL IV–Survey of ASL Literature ¹	4	_____
IPP	279	ASL Vocabulary Building II	3	_____
IPP	201	Introduction to Interpreting OR General Elective	3-4 15-16	_____

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.

Certificate

Toward a Degree in ASL/Deaf Studies

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
IPP	111	Non-Verbal Language	3	_____
IPP	141	American Sign Language (ASL I) ^{1,2}	<u>4</u>	_____
			7	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IPP	142	American Sign Language (ASL II) ^{1,2}	4	_____
IPP	144	ASL Classifiers	3	_____
IPP	151	Deaf Studies/Culture	<u>3</u>	_____
			7	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
IPP	143	American Sign Language (ASL III) ¹	5	_____
IPP	211	ASL Linguistics I	<u>3</u>	_____
			8	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IPP	212	ASL Linguistics II	3	_____
IPP	244	ASL IV–Survey of ASL Literature ¹	<u>4</u>	_____
			7	

NOTES AND INFORMATION

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

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 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.

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.



John A. Logan College

Associate in Arts Degree

Toward a Pre-Baccalaureate Degree in

Associate in Arts

Transfer Curriculum 000AA0086
 Associate in Arts: 62 Hrs. Min.
 Major Code: 1.1240101A
 Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
 Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
 Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
 Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
 Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
 Physical Science: PHS 102,103,105,107
 Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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, PHY, PSC, PSY, SCI, SOC, SOCW, SPE, SPN, THE, and VOL

- ACC..... 200, 201, 202
- ALH 106, 107
- BUS 110, 121, 222
- CIS 207
- CRJ..... 103, 105, 218, 223
- ECE 160, 260,272, 280
- ECO 201, 202
- ENG 101, 102, 103, 113
- IND 199
- IPP 141, 142
- ITD 200, 205
- LIN 101, 102
- MAT 108, 109, 111, 113, 116, 117, 120, 125, 131, 201, 202, 205, 208, 209, 221, 282
- ORI 100
- PNE 100

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



Associate in General Studies Degree

Toward a Pre-Baccalaureate Degree in Associate in General Studies

Curriculum AGS 1996
Associate in General Studies
Minimum Hrs. 62
Major Code: 1.0 240102D
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

The Associate in General Studies (AGS) degree represents a prescribed curriculum that has been individually designed by mutual agreement between the student and his/her academic advisor to meet the student's educational needs and interests. The AGS degree is neither designed as a transfer-oriented curriculum nor is it intended to provide career preparation similar to an AAS degree. Students interested in earning a four-year baccalaureate degree at a future date should consult with the transfer institution to determine the acceptability and applicability of courses and credits with the AGS degree.

The individualized AGS degree curriculum must include at least 62 semester credits. Each AGS program must include the 21-semester credit General Education Component. Courses selected to fulfill the General Electives Component must be selected from baccalaureate (PCS 1.1) and/or career education (PCS 1.2) courses. Students may use credits earned within a certificate program toward fulfilling the General Electives Component. In addition, no more than four (4) credit hours of APE or PED activity credit may be used toward the AGS degree.

The AGS Worksheet/Contract should be prepared and approved before completing 55 semester credits of college-level coursework. The AGS Worksheet/Contract is to be completed jointly by the student and his/her academic advisor. To qualify for the AGS degree, the student must meet the established general and degree requirements for earning an associate degree from John A. Logan College.

The curriculum guide for the AGS degree is outlined below:

GENERAL EDUCATION COMPONENT (21 credits)

The general education component of the AGS degree requires 21 credits. The minimum credit requirements for Groups I-V are listed below which total 18 credits. The remaining 3 credits can be fulfilled with 3 credits from any general education elective from Groups I-V.

Group I	Communications	6 credits
Group II	Humanities and Fine Arts	3 credits
Group III	Social and Behavioral Sciences	3 credits
Group IV	Physical and Life Sciences.....	3 credits
Group V	Mathematics	3 credits
	One elective from Group I-V	<u>3 credits</u>
		21 credits

Group I Communications (6-9 CREDITS)

	Sem.	Grade
ENG 101 (3) or ENG 113 (3) (C grade or higher)	_____	_____
ENG 102 (3)	_____	_____
SPE 115 (3) or SPE 116 (3)	_____	_____
SPE 116 is not an IAI GECC articulated course.		

Group II Humanities and Fine Arts (3-6 credits)

	Sem.	Grade
Elective	_____	_____
Elective	_____	_____

IAI Fine Arts Electives

Art	ART 111, 220, 221, 291
Drama/Speech	THE 113
Literature	LIT 275
Music	MUS 105, 225

GENERAL ELECTIVES COMPONENT (41-43 credits)

IAI Humanities Electives

Foreign Language.....	FRE 202, GER 202, SPN 202
History	HIS 101, 102, 213
Humanities	HUM 101
Literature	LIT 210, LIT 230, 235, 264, 280, 281, 284, 295
Philosophy	PHL 111, 121, 131, 200, 260

Group III Social and Behavioral Sciences (3-6 credits)

	Sem.	Grade
Elective	_____	_____
Elective	_____	_____

IAI Social and Behavioral Science 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

Group IV Physical and Life Sciences (3-6 credits)

	Sem.	Grade
Elective	_____	_____
Elective	_____	_____

SCIENCE ELECTIVES

IAI Life Science Electives

Biology.....	BIO 100, 101, 105, 225
Interdisciplinary	PHS 101 with PHS 111, SCI 210A with SCI 210B
Life Science	PHS 100
Life Science	SCI 215

IAI Physical Science Electives

Chemistry.....	141, 151
Interdisciplinary	PHS 101 with PHS 111, SCI 210A with SCI 210B
Physical Science	PHS 102, 102, 105, 106, 107
Physics	PHY 121, 155, 205

The following courses may be used as physical and life sciences electives for the AGS degree but are not articulated as IAI GECC courses.

	Sem.	Grade
BIO 205 (4)	_____	_____
BIO 206 (4)	_____	_____
BIO 226 (4)	_____	_____

Group V Mathematics (3-6 credits)

	Sem.	Grade
Elective	_____	_____
Elective	_____	_____

IAI Mathematics Electives

MAT 113 (3), MAT 116 (3), MAT 117 (4), MAT 120 (3), MAT 125 or CPS 202 (3), MAT 131 (5), MAT 201 (5), Mat 202 (3), MAT 282 (3)
--

The following courses may be used as math electives for the AGS degree but are not articulated as IAI GECC courses.

BUS 111 (3), MAT 100 (3), MAT 104 (3), MAT 111 (5), MAT 108 (3)



John A. Logan College

Associate in Science Degree

Toward a Pre-Baccalaureate Degree in Associate in Science

Transfer Curriculum 000A50087
Associate in Science: 62 Hrs. Min.
Major Code: 1.1300101B
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 and PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

ADDITIONAL ASSOCIATE IN SCIENCE DEGREE

REQUIREMENTS (Courses should be applicable to the desired major)

	Sem.	Grade
MAT Elective (1 course)	_____	_____
Physical or Life Science Elective (1 course)	_____	_____
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, PHY, PSC, PSY, SCI, SOC, SOCW, SPE, SPN, THE, and VOL

ACC	.....200, 201, 202
ALH	.....106, 107
BUS	.....110, 121, 222
CIS	.....207, 240
CRJ	.....103, 105, 218, 223
ECE	.....160, 260, 272, 280
ECO	.....201, 202
ENG	.....101, 102, 103, 113
IND	.....199
IPP	.....141, 142
ITD	.....200, 205
LIN	.....101, 102
MAT	.....108, 109, 111, 113, 116, 117, 120, 125, 131, 201, 202, 205, 208, 209, 221, 282
ORI	.....100
PNE	.....100

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



Certificate

Toward a Degree in

Auto Collision Technology

Structural Damage Repair

Career Curriculum AUT0014
 Minimum Hours: 49
 Major Code: 1.2 470603J
 Effective Date: Fall 2013

FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	1	_____
			15	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	2	_____
			14	

SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ACT	293	Structural Damage Repair	1	_____
ACT	296	Structural Damage Repair Lab	4	_____
			5	

FALL SEMESTER

Dept.	No.		Hrs.	Grade
AST	173	Braking Systems	4	_____
AST	280	Air Conditioning	4	_____
AST	281	Suspension and Steering	4	_____
SPE	115	Speech	3	_____
			15	

OPTIONAL

Dept.	No.		Hrs.	Grade
ATI	200	Applied Technologies Internship ¹	1-3	_____

NOTES AND INFORMATION

The Auto Collision Technology Certificate Program (AUT 0014) is the parent program to:

- Paint & Metal Technician Certificate Program (AUT 0115)

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.ialc.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.ialc.edu/gainful_employment/auto_collision_technology/Gedt.html

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

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.



Associate in Applied Science

Toward a Degree in

Auto Collision Technology

Career Curriculum ACT 2004
 Minimum Hours: 65
 Major Code: 1.2 470603C
 Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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 MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3	_____
WEL	150	Oxy-Acetylene Fusion Welding I	1	_____
WEL	160	M.I.G. Welding	2	_____
WEL	196	M.I.G. Welding – Aluminum	1	_____
			16	

OPTIONAL

Dept.	No.		Hrs.	Grade
ATI	200	Applied Technologies Internship ²	1-3	_____

NOTES AND INFORMATION

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 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: Repair technician, insurance assessor, detailer, customer service manager.

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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 ENG 113 Professional Technical Writing ¹	3	_____
			15	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ACT	293	Structural Damage Repair	1	_____
ACT	296	Structural Damage Repair Lab	4	_____
			5	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ACT	294	Plastics and Adhesives	2	_____
AST	280	Air Conditioning	4	_____
AST	281	Suspension and Steering	4	_____
CIS	101	Introduction to Computers	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	_____
			16	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACT	291	Mechanical Systems for Collision Technology	2	_____
AST	279	ASE Testing	2	_____
PHS	101	Environmental Science	3	_____
IAI		Physical/Life Science or IAI Humanities/ Fine Arts Elective	3-5	_____
IAI		Social and Behavioral Science Elective	3	_____
			13-15	



John A. Logan College

Associate in Applied Science

Toward a Degree in Automotive Services Technology

Career Curriculum 00AST0004

Minimum Hours: 70

Major Code: 1.2 470604C

Effective Date: Spring 2017

FIRST SEMESTER – FALL

Dept. No.	Hrs.	Grade
General Education Courses		
IND 138 Industrial Seminar	1	_____
MAT 113 Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 120 Elementary Statistics	3	_____
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	2	_____
	<u>16</u>	

NOTES AND INFORMATION

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.

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.

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.

SECOND SEMESTER – SPRING

Dept. No.	Hrs.	Grade
General Education Courses		
ENG 101 English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	_____
PSY 110 College Success and Career Planning OR ATI 200 Applied Technologies Internship (Summer only)	3	_____
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	2	_____
	<u>18</u>	

THIRD SEMESTER – FALL

Dept. No.	Hrs.	Grade
General Education Courses		
CIS 101 Introduction to Computers	3	_____
SPE 115 Speech OR SPE 116 Interpersonal Communication	3	_____
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	4	_____
	<u>18</u>	



John A. Logan College

Associate in Applied Science

Toward a Degree in Automotive Services Technology

Career Curriculum 00AST0004

Minimum Hours: 70

Major Code: 1.2 470604C

Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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 120 Elementary Statistics		_____

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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 ENG 113 Professional Technical Writing ¹	3	_____
PSY	110	College Success and Career Planning OR ATI 200 Applied Technologies Internship (Summer only)	3 18	_____

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
AST	200	Alternative Fuels	2	_____
AST	273	Automotive Computer Electronics	2	_____
AST	280	Air Conditioning	4	_____
AST	281	Suspension and Steering	4	_____
CIS	101	Introduction to Computers	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3 18	_____

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
AST	270	Manual Drive Trains and Axles	4	_____
AST	271	Automatic Transmissions/Transaxles	4	_____
AST	276	Emission Control Systems	2	_____
AST	279	ASE Testing	2	_____
		IAI Physical/Life Science or IAI Humanities/ Fine Arts Elective	3-5	_____
		IAI Social and Behavioral Science Elective	3	_____
			18-20	_____

NOTES AND INFORMATION

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.

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.

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.



John A. Logan College

Certificate Toward a Degree in Automotive Services Technology

Career Curriculum 00AST0052
Minimum Hours: 48
Major Code: 1.2 470604J
Effective Date: Fall 2013

FIRST SEMESTER – FALL

Dept. No.	Hrs.	Grade
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.	Grade
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.	Grade
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.	Grade
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.	Grade
ATI 200 Applied Technologies Internship ¹	1-3	

NOTES AND INFORMATION

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.ialc.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.ialc.edu/gainful_employment/auto_services_technology/Gedt.html

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.

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.



John A. Logan College

Associate in Science Degree

Toward a Pre-Baccalaureate Degree in

Biological Science

Transfer Curriculum 000A50087
Associate in Science: 64 Hrs. Min.
Major Code: 1.1 260101B
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
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.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
PHL 121 (3) 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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (3-5 HOURS)

	Sem.	Grade
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.

	Sem.	Grade
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

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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 or General Electives (8)	_____	_____

ADDITIONAL ASSOCIATE IN SCIENCE DEGREE

REQUIREMENTS: (COURSES SHOULD BE APPLICABLE TO DESIRED MAJOR)

	Sem.	Grade
BIO 102 (4)	_____	_____
MAT 282 (3) or MAT Elective	_____	_____

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 i52, 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.



Associate in Applied Science

Toward a Degree in

Biomedical Electronics Technology

Career Curriculum 00ELT 3023
Minimum Hours: 62
Major Code: 1.2 150401
Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
HIT	217	Medical Terminology I	3	_____
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics I	3	_____
MAT	113	Introduction to Contemporary Mathematics	3	_____
SPE	116	Interpersonal Communications	3	_____
			<u>3</u>	
			16	

NOTES AND INFORMATION

<u>Fall only courses:</u>		<u>Spring only courses:</u>	
ELT 102		ELT 103	ELT 210
ELT 111		ELT 150	ELT 218
ELT 151		ELT 170	ELT 220
ELT 250		ELT 200	ELT 280

¹ Requires a grade of "C" or higher.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
HIT	215	Pathophysiology	3	_____
ELT	103	Applied DC/AC Circuits	4	_____
ELT	112	Digital Electronics II	3	_____
ELT	150	Applied Solid State Electronics	3	_____
ELT	170	Biomedical instrumentation I	3	_____
			<u>3</u>	
			16	

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).

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	151	Applied Solid State Circuits	3	_____
ELT	250	Biomedical Instrumentation II	3	_____
ENG	113	Professional Technical Writing	3	_____
HIS	201	United States History I OR HIS 202 United States History II OR PSC 131 American Government	3	_____
PHY	121	Technical Physics	3	_____
			<u>3</u>	
			15	

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 biomedical instruments. Upon completion of this program, the student will be awarded an associate degree in biomedical 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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	200	Introduction to Microprocessors	3	_____
ELT	210	A+ Preparation Essentials	3	_____
ELT	218	Introduction to Network Technologies	3	_____
ELT	220	Linear Integrated Circuits	3	_____
ELT	280	Biomedical Instrumentation III	3	_____
			<u>3</u>	
			15	

Career Opportunities: Graduates of this program have career opportunities in entry level biomedical positions. Technicians install, use, maintain, and train healthcare personnel on cutting-edge medical technology. In addition, they support medical staff in the use of technology, help acquire medical equipment, coordinate vendor contracts and play a key role in investigating device related problems. The program also prepares students for the written portion of the Certified Biomedical Equipment Technician exam.

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.



Certificate

Toward a Degree in

Bookkeeping-Clerical Studies

Career Curriculum 00BUS0053
 Minimum Hours: 30
 Major Code: 1.2 520302K
 Effective Date: Spring 2017

FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	

NOTES AND INFORMATION

<u>Fall Only Courses</u>	<u>Spring Only Courses</u>
BUS 255	ACC 105
CIS 110 BUS 117	
CIS 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.

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	

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

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

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.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Business

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hrs. Min.
Major Code: 1.1 520201A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 117 (4)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
ACC 200 (3)	_____	_____
ACC 201 (3)	_____	_____
ACC 202 (3)	_____	_____
BUS 121 (3)	_____	_____
BUS 222 (3)	_____	_____
MAT 116 or Elective (3)	_____	_____
CIS 207 or Elective (3)	_____	_____
BUS 235 or Elective (3)	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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 years 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. Complete the AA Degree in Business prior to transfer.

SIUC TRANSFER INFORMATION: Student should take ACC 200, 201 and 202, as well as MAT 116 and 117. Take BUS 121 (substitute for MGMT 208, FIN 208 or ACCT 208). Students should also take BUS 222, ECO 201 and ECO 202. **All majors in the College of Business must complete ENGL 291 (ENG 113) or MGMT 202 (BUS 235) as a Professional Business Core requirement. With ENG 101 and 102, ENG 113 will substitute for ENGL 291. In addition, BUS 235 is an approved substitute for MGMT 202.** SIUC policy allows for the transfer and applicability of up to 78 articulated credits toward BA/BS degree requirements.

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).



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Business Education

Transfer Curriculum 000AA0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 131303A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 116 or MAT 120 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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.

Helpful tips for applying to a Teacher Education Program may be found [here](#).



Certificate

Toward a Degree in

Business Management

Career Curriculum BUS2007
 Minimum Hours: 38
 Major Code: 1.2 520201J
 Effective Date: Fall 2015

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	110	Introduction to Business	3	_____
BUS	235	Business Correspondence	3	_____
BUS	255	Customer Service	3	_____
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	<u>3</u> 12	_____

NOTES AND INFORMATION

Fall Only Courses:		Spring Only Courses:	
BUS	255	IDM	120
MKT	113	MGT	112
MKT	130	MGT	228

The Business Management Certificate Program (BUS 2007) is an ICCB approved extension of the Business Management AAS Degree (BUS 2006).

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

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.ialc.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.ialc.edu/gainful_employment/business_management/Gedt.html

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting	3	_____
MAT	113	Introduction to Contemporary Mathematics OR BUS 111 Business Mathematics	3	_____
MKT	113	Principles of Marketing I	3	_____
MKT	130	Sales I	<u>3</u> 12	_____

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.



John A. Logan College

Associate in Science Degree

Toward a Pre-Baccalaureate Degree in Chemistry

Transfer Curriculum 000A50087
Associate in Science: 62 Hrs. Min.
64 hours Max.
Major Code: 1.1 400501B
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

	Sem.	Grade
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.

	Sem.	Grade
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)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
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 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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 Elective (8)	_____	_____
Additional Associate in Science Degree Requirements		
MAT 201(5)	_____	_____
PHY 205 (5)	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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 recommenced.

* 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.



John A. Logan College

Certificate Toward a Degree in CNC Machinist

Career Curriculum MAC2014
Minimum Hours: 33
Major Code: 1.2 480510J
Effective Date: Fall 2014

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	<u>3</u>	_____
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	

NOTES AND INFORMATION

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 \(MAC 2014\)](#).

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

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, lathe 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.

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.



Associate in Applied Science

Toward a Degree in

Computer Forensics

Career Curriculum CIS 2012
 Minimum Hours: 70
 Major Code: 1.2 111003C
 Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	

NOTES AND INFORMATION

Fall Only Courses:		Spring Only Courses:	
CIS 200	ELT 214	CIS 231	CIS 229
CIS 206	CIS 229	CIS 209	CIS 213
CIS 216	CRJ 209	ELT 218	
CIS 219		CRJ 219	

*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

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	

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.

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition I OR ENG 113 Professional Technical Writing	3	_____
IAI	Social & Behavioral Science Elective ²		<u>3</u>	_____
			6	

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.

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	



Associate in Applied Science

Toward a Degree in

Computer Information Systems

Career Curriculum CIS 0400
Minimum Hours: 64
Major Code: 1.2 110103C
Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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 BUS 111 Business Mathematics ⁴	3 15	_____

NOTES AND INFORMATION

Fall Only Courses: CIS 200 CIS 216
CIS 206 CIS 225

Spring Only Courses: 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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting OR ACC 200 Financial Accounting I	3	_____
CIS	120	Database Management	3	_____
CIS	208	Security Awareness	3	_____
CIS	209	Introduction to CyberCrimes	3	_____
CIS	230	Operating Systems	3	_____
PHL	121	Introduction to Logic	3 18	_____

¹ Requires a grade of "C" or higher.

² Students may choose electives from the following classes: CIS 213 Penetration Testing OR ELT 218 Introduction to Network Technologies

³ These courses have a prerequisite.

⁴ Or 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)

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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 ENG 113 Professional Technical Writing ¹	3 16	_____

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).

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	220	Advanced Spreadsheet Design ³	3	_____
CIS	231	VPNs and Firewalls	3	_____
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	_____
SPE	115	Speech OR SPE 116 Speech Interpersonal Communication	3 3	_____
Elective ²			15	_____

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 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.

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.



Certificate

Toward a Degree in

Computer Information Systems

Career Curriculum CIS0401
 Minimum Hours: 32
 Major Code: 1.2 110401J
 Effective Date: Fall 2018

FALL SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting	3	_____
BUS	116	Keyboarding I ¹	3	_____
CIS	101	Introduction to Computers	3	_____
CIS	110	Introduction to Word Processing Elective ²	2	_____
			3	_____
MAT	113	Introduction to Contemporary Mathematics OR	3	_____
		BUS 111 Business Mathematics	17	_____

NOTES AND INFORMATION

Fall Only Courses: CIS 110 Spring Only Courses: BUS 237

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.

² Electives to choose from: ART 205, BUS 110, BUS 235, BUS 222, BUS 255, CIS 105

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BUS	237	Office Procedures	3	_____
CIS	104	Spreadsheet Design	3	_____
CIS	120	Database Management	3	_____
CIS	208	Security Awareness	3	_____
CIS	230	Operating Systems	3	_____
			15	_____

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.

https://www.jalc.edu/files/uploads/global/consumer_information/pdfs/gainful_employment/computer_information_systems.pdf. 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/Get.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.

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.



Certificate

Toward a Degree in

Computer Networking

Career Curriculum CIS1206
 Minimum Hours: 24
 Major Code: 1.2 110202K
 Effective Date: Fall 2015

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	

NOTES AND INFORMATION

<u>Fall Only Courses:</u>	<u>Spring Only Courses:</u>
CIS 200	CIS 206
ELT 214	ELT 210
	ELT 218

Upon completion, students can sit for the following standard exams: CompTia A+, Net+, Security+.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	

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.

https://www.jalc.edu/files/uploads/global/consumer_information/pdfs/gainful_employment/computer_networking.pdf.

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

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.

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.



John A. Logan College

Associate in Science Degree

Toward a Pre-Baccalaureate Degree in

Computer Science

Business Applications Track

Transfer Curriculum 000A50087
Associate in Science: 64 Hrs. Min.
Major Code: 1.1 110701B
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 125 (3) or IAI MAT Elective	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
PHY 155 (5) or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
CPS 206 (4) (spring semester course)	_____	_____
CPS 215 (4) (fall semester even number years)**	_____	_____
MAT 120 or Elective	_____	_____
PHY 156	_____	_____
BIO 105, 110 or Elective	_____	_____
Elective	_____	_____
**NOTE: Students beginning this program in even number years, fall semester, may take a math elective as a substitution for CPS 215.		
Additional Associate in Science Degree Requirements: (Courses should be applicable to desired degree)		
PHY 155 (5)	_____	_____
MAT 131 (5)	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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.



John A. Logan College

Associate in Science Degree

Toward a Pre-Baccalaureate Degree in

Computer Science

Traditional Track

Transfer Curriculum 000A50087

Associate in Science: 62 Hrs. Min.

Major Code: 1.1 110701B

Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295

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

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
PHY 205 (5)	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225

Interdisciplinary: PHS 101 with PHS 111

Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151

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

Physical Science: PHS 102, 103, 105, 107

Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
CPS 206 (4) (spring semester course)	_____	_____
CPS 202/MAT 125 (3) (fall semester odd num. years) or Elective	_____	_____
CPS 215 (4) (fall semester in even num. years)**	_____	_____
MAT 201 (5) or General Elective	_____	_____
MAT 221 (3) (spring semester even num. years) or Elective	_____	_____
CHM 151 (5) or General Elective	_____	_____
CHM 152 (5) or General Elective	_____	_____
**NOTE: Students beginning this program in even number years, fall semester, may take MAT 202 or MAT 205 as a substitution for CPS 215.		
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	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

***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.



Associate in Applied Science

Toward a Degree in

Computer Support & Networking

Career Curriculum 00ELT3015
Minimum Hours: 65
Major Code: 1.2 470104C
Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CIS	200	Network Essentials	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	3	_____

NOTES AND INFORMATION

Fall Only Courses:			Spring Only Courses:		
CIS	200	ELT 111	CIS	213	ELT 200
CIS	206	ELT 214	CIS	208	ELT 210
CIS	216	ELT 215	ELT	103	ELT 218
ELT	102		CIS	230	

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	_____
CIS	230	Operating Systems	3	_____
ELT	150	Applied Solid State Electronics	3	_____
ELT	112	Digital Electronics II	3	_____
ELT	200	Introduction to Microprocessors	3	_____
			15	

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)

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CIS	216	Cloud Technology ¹	3	_____
ELT	214	A+ Preparation IT Technician	3	_____
ELT	215	IOT and Embedded Systems ¹	3	_____
ENG	101	English Composition I ¹ OR ENG 113 Professional Technical Writing	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	_____

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).

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3	_____
PHY	121	Technical Physics	3	_____
			19	

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.

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.

OPTIONAL

ATI	200	Applied Technologies Internship ³
-----	-----	--



Associate in Applied Science

Toward a Degree in

Construction Management Technology

Career Curriculum 00CMG0033
Minimum Hours: 66
Major Code: 1.2 522001C
Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	3 15	_____

NOTES AND INFORMATION

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.

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CMG	105	Estimating Techniques	3	_____
CMG	107	Construction Document Interpretation	3	_____
CMG	108	Construction Materials	4	_____
CMG	111	Exterior and Interior Finish Systems	3	_____
IAI	Social and Behavioral Science Elective		3 16	_____

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
		Business Elective ²	3	_____
CMG	207	Construction Management	3	_____
CMG	208	Processes in Estimating	3	_____
CMG	211	Commercial Construction	3	_____
CMG	220	Construction Scheduling	3	_____
PHY	121	Technical Physics	3 18	_____

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.

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CMG	209	Environmental Systems	3	_____
CMG	212	Construction Administration	2	_____
CMG	215	Green Building in the 21 st Century	3	_____
CMG	221	Land Development	3	_____
CMG	226	Statics for Structures	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3 17	_____

OPTIONAL

Dept.	No.		Hrs.	Grade
ATI	200	Applied Technologies Internship ³	1-3	_____



Associate in Applied Science

Toward a Degree in Cosmetology

Career Curriculum 00COS0007
Minimum Hours: 63.5
Major Code: 1.2 120401C
Effective Date: Fall 2009

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
COS	101	Cosmetology Theory I	6	_____
COS	111	Cosmetology Laboratory I	<u>11</u>	_____
			17	

NOTES AND INFORMATION

* 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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
COS	102	Cosmetology Theory II	5	_____
COS	112	Cosmetology Laboratory II	<u>11</u>	_____
			16	

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.

FIRST YEAR - SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
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	

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	

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.

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	



Certificate

Toward a Degree in Cosmetology

Career Curriculum 00COS0056
Minimum Hours: 38.5
Major Code: 1.2 120401J
Effective Date: Spring 2012

FALL SEMESTER

Dept.	No.		Hrs.	Grade
COS	101	Cosmetology Theory I	6	_____
COS	111	Cosmetology Laboratory I	<u>11</u>	_____
			17	

NOTES AND INFORMATION

* COS 260 Cosmetology Review is an optional refresher course to meet IDFPR licensure requirements.

The Cosmetology Certificate (00COS0056) is the parent program to:

- Cosmetology Teacher Program Certificate (00COS0057)

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
COS	102	Cosmetology Theory II	5	_____
COS	112	Cosmetology Lab	<u>11</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–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

SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
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	

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.

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.



Certificate

Toward a Degree in

Cosmetology Teacher Program

Career Curriculum 00COS0057
 Minimum Hours: 13
 Major Code: 1.2 120413Q
 Effective Date: Fall 2011

SEMESTER HOURS

Dept.	No.		Hrs.	Grade
COS	250	Instructional Strategies ¹	5	_____
COS	251	Cosmetology Teacher Program ¹	<u>8</u>	_____
			13	

NOTES AND INFORMATION

*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).

Career Opportunities: Cosmetology teacher in the state of Illinois with the opportunity for reciprocity in other states in equal agreement.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Criminal Justice

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs. Min.
Major Code: 1.1 430107
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 113 (3) or MAT 131 (5) or MAT 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.

	Sem.	Grade
SOC 133 or Social Science Elective	_____	_____
PSY 132 or Social Science Elective	_____	_____
PSC 131 or PSY 200 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.

	Sem.	Grade
BIO 100 (4) or Life Science Elective	_____	_____
PHS 107 (3) or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

SELECT COURSES FROM THIS LISTING USING THE ARTICULATION NOTES AS A GUIDE

	Sem.	Grade
CRJ 103 (3)	_____	_____
CRJ 105 (3)	_____	_____
CRJ 218 (3)	_____	_____
CRJ 223 (3)	_____	_____
Foreign Language (4)	_____	_____
Foreign Language (4)	_____	_____
CRJ 209 (3) or Elective	_____	_____
CRJ 219 (3) or Elective	_____	_____
HIS 103 (3) or HIS 104 (3) or Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

IAI The IAI Criminal Justice major panel recommends CRJ 103 (CRJ 901) as a core course and CRJ 218 (CRJ 911), CRJ 105 (CRJ 912) and CRJ 223 (CRJ 914). SOC 133 and PSY 132 are recommended IAI Social and Behavioral Science courses.

SIUC Take CRJ 103 (CCJ 201), CRJ105 (CCJ 290) and CRJ 209 (CCJ 310). To satisfy College of Liberal Arts foreign language requirement, take SPN 101 and 102 "or" IPP 141 and 142. To satisfy the two course International Coursework requirement, take HIS 103 and 104 (HIST 101A and 101B). If you are seeking additional recommendations for fulfilling the IAI Social Science requirements, take ECO 201 (ECON 240), GEO 112(GEOG 102) or HIS 202 (HIST 301).

The CCJ program requires completion of a minor. Any SIUC minor other than CCJ can satisfy this requirement. A minor entails 15 credits or more of required courses. Areas recommended with a few suggested courses include Forensic Science (ANT 240 or ANTH 240A, PHL 111 or PHIL 104, PSY 285 or PSYC 305), Psychology (select PSY 132 as an IAI Social and Behavioral Science course and one from PSY 200 or PSYC 307, PSY 203 or PSYC 303, PSY 262 or PSYC 301 and PSY 270 or PSYC 331), Anthropology (ANT 240 or ANTH 240A, ANT 216 or ANTH 240D), Business and Administration or Accounting (ACC 200 and 201 or ACCT 220, ACC 202 or ACCT 230), Sociology (SOC 133 or SOC 108).

SIUC policy on Senior Institution Hours/Credits required as a General Graduation Requirement states at least 42 credits of 300-400 level credits must be earned at SIUC. This allows for the acceptance of credits from JALC beyond the Associate degree requirements and up to 78 credits. These additional credits should, though, be articulated credits matching CCJ degree requirements.

SIUE Take CRJ 103 (CJ 111), CRJ 115 (CJ 208), CRJ 209 (CJ 206), CRJ 218 (CJ 202). A grade of C or better in these courses is required before enrolling in a 300-400 level course. Since one can transfer in up to 15 credits of CJ equivalent credit from JALC, select an elective course from CRJ 105 (CJ 275), CRJ 219 (CJ 207) or CRJ 223 (CJ 205). Additional CJ credits (beyond 15) may be used if approved by your SIUE departmental advisor.

For BA degree students, one year or two course sequence in a foreign language is required. Additional recommendations include SOC 133 (SOC 111), ANT 216 (ANTH 111B), MAT 113 (QR 101) or MAT 131 (MATH 150), PSC 131 (POLS 112) and PHL 121 (RA 101). For graduation purposes, all required courses must be passed with a grade of "C" or higher.

ISU Take CRJ 103 (CJS 103), CRJ 218 (CJS 200), CRJ 105 (CJS 201), CRJ 115 or 221 (CJS 207), CRJ 209 (CJS 208). ENG 102 (ENG 145), PSY 132 (PSY 110) and SOC 133 (SOC 106)

For electives, FRE, GER or SPN 101 and 102 (FRE, GER or SPA 111 and 112), PSY 200 (PSY 203)

To satisfy the AMALI degree requirement, take GEO 112 (GEO 135) or PSC 212 (POL 151).



Associate in Applied Science

Toward a Degree in Criminal Justice

Career Curriculum CRJ0550
Minimum Hours: 66
Major Code: 1.2 430107C
Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Grade
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 – SPRING SEMESTER

Dept. No.		Hrs.	Grade
CRJ 203	Introduction to Security	3	_____
CRJ 205	Survey of Crime Detection Methods	3	_____
LIT 284	Ethnic Literature in America OR HIS 101 Western Civilization I	3	_____
MAT 113	Introduction to Contemporary Mathematics OR MAT 100 Math for Applied Technologies [*]	3	_____
PSY 132	General Psychology	<u>3</u>	_____
		15	

FIRST YEAR – SUMMER SEMESTER

Dept. No.		Hrs.	Grade
SPE 115	Speech	<u>3</u>	_____
		3	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Grade
CRJ 115	Policing	3	_____
CRJ 209	Criminal Law	3	_____
CRJ 218	Introduction to Corrections	3	_____
CRJ 223	Juvenile Justice	3	_____
SPN 101	Elementary Spanish I	<u>4</u>	_____
		16	

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Grade
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	3	_____
SPN 102	Elementary Spanish II	<u>4</u>	_____
		16	

SECOND YEAR – SUMMER SEMESTER (Optional)

Dept. No.		Hrs.	Grade
CRJ 201	Criminal Justice Internship (Optional) ³	4	_____
CRJ 210	Introduction to Forensic Investigation (Optional) ³	<u>3</u>	_____
		7	

NOTES AND INFORMATION

*Or any higher math course.

*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.

¹ Requires 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.

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 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)

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.



Certificate

Toward a Degree in

Customer Service

Career Curriculum 00BUS0021
 Minimum Hours:24
 Major Code: 1.2 520411K
 Effective Date: Fall 2015

FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	116	Keyboarding 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> 12	_____

NOTES AND INFORMATION

<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.

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting OR ACC 200 Financial Accounting I	3	_____
BUS	235	Business Correspondence	3	_____
MGT	112	Principles of Management	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	<u>3</u> 12	_____

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.

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.

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.



Associate in Applied Science

Toward a Degree in

Cyber-Security/Information Assurance

Career Curriculum CIS 2015
Minimum Hours: 64
Major Code: 1.2 111003R
Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	3	_____
		BUS 111 Business Mathematics	17	_____

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3	_____
			16	_____

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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 OR	3	_____
		If following Track I: CIS 229	15	_____

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	213	Penetration Testing ¹	3	_____
CPS	176	Intro to Computer Programming ¹	4	_____
ENG	113	Professional Technical Writing OR	3	_____
		ENG 101 English Composition*		
PHL	121	Introduction to Logic	3	_____
		Elective – Track 1 or Track 2 ³ OR	3	_____
		If following Track I: IAI Social & Behavioral Science Elective ²	16	_____

NOTES AND INFORMATION

Fall Only Courses: Spring Only Courses:

CIS 170	CIS 200	CIS 270	ELT 210
CIS 206	ELT 214	CIS 209	ELT 218
CIS 216	CIS 229	CIS 213	
CIS 219		CIS 231	

*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).

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: 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.

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.

Certificate

Toward a Degree in

Dental Assisting

FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	

SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
PSY	132	General Psychology ¹	3	_____
SPE	115	Speech ² OR	3	_____
		SPE 116 ² Interpersonal Communication	6	_____

NOTES AND INFORMATION

* 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.

² Transfer Information: Students planning to transfer to Lewis & Clark Community College's Dental Hygiene Program should take SPE 115.

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.

https://www.jalc.edu/files/uploads/global/consumer_information/pdfs/gainful_employment/dental_assisting.pdf 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

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

Career Opportunities: Practice in a private dental office, cleaning teeth, exposing x-rays, providing dental care instructions, and maintaining patient records.

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.

Associate in Applied Science

Toward a Degree in

Diagnostic Cardiac Sonography

Career Curriculum 00DMS0017
 Minimum Hours: 71
 Major Code: 1.2 510910C
 Effective Date: Spring 2016

FALL SEMESTER

Dept.	No.		Hrs.	Grade
ALH	110	Issues in Health and Patient Care	3	_____
ENG	101	English Composition	3	_____
Any IAI Math		OR MAT 108 College Algebra ³	<u>3-4</u>	_____
			9-10	

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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 Communications	<u>3</u> 12	_____

**All of the above coursework must be completed before starting any
Diagnostic Cardiac Sonography Specialization.**

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	<u>3</u>	_____
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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.	Grade
DMS	236	Cardiac Ultrasound Clinic III	<u>5</u>	_____
			5	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
DMS	230	Cardiac Seminar	2	_____
DMS	246	Cardiac Ultrasound Clinic IV	<u>10</u>	_____
			12	

NOTES AND INFORMATION

*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.

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: 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

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.



John A. Logan College

Certificate Toward a Degree in Diagnostic Cardiac Sonography

Career Curriculum 00DMS0015

Minimum Hours: 50

Major Code: 1.2 510910J

Effective Date: Fall 2013

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	3	_____
			16	

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
DMS	200	Medical Physics and Instrumentation	5	_____
DMS	224	Cardiac Ultrasound Imaging/Lab II	6	_____
DMS	226	Cardiac Ultrasound Clinic II	6	_____
			17	

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

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.

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.

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
DMS	236	Cardiac Ultrasound Clinic III	5	_____
			5	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
DMS	230	Cardiac Seminar	2	_____
DMS	246	Cardiac Ultrasound Clinic IV	10	_____
			12	

NOTES AND INFORMATION

* 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



Certificate Toward a Degree in Director's Credential

Career Curriculum 00CHC0018
Minimum Hours:8
Major Code: 1.2 190709Q
Effective Date: Spring 2011

Dept.	No.	
ECE	279	Management Internship ¹
ECE	280	Professional Development

Hrs.	Grade
4	_____
$\frac{4}{8}$	_____
8	

NOTES AND INFORMATION

* 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).

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.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Early Childhood Education

Transfer Curriculum 000AA0086
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 131201B
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 209	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
SCI 210A or Life Science Elective	_____	_____
SCI 210B or Physical Science Elective	_____	_____
Life or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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](#):

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: 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.



Associate in Applied Science

Toward a Degree in

Early Childhood Education**

Career Curriculum ECE0005
Minimum Hours: 63
Major Code: 1.2 190709C
Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ECE	150	Infancy Development	3	_____
ECE	151	Health, Safety, and Nutrition	3	_____
ECE	160	Child, Growth, and Development	3	_____
ECE	161	Early Childhood Practicum ²	1	_____
ECE	272	Language and Literacy Development	3	_____
PSY	132	General Psychology	<u>3</u>	_____
			16	

NOTES AND INFORMATION

*Or any higher math course.

**All courses require a grade of "C" or higher.

¹ Recommended for transfer students.

² Prerequisite: ECE 160, Minimum Grade: C or **Concurrent enrollment in ECE 160**

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)

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ALH	101	Cardiopulmonary Resuscitation	1	_____
ECE	120	Guiding Play and Learning	3	_____
ECE	220	Infant Toddler Curriculum	3	_____
ECE	265	Early Childhood Curriculum	3	_____
ENG	101	English Composition I	3	_____
PSY	262	Child Psychology	<u>3</u>	_____
			16	

Students completing the program will also earn IL Gateways to Opportunity, Infant Toddler Credential.

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).

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ECE	260	Child, Family, and Community	3	_____
ECE	267	Child Care Laboratory	5	_____
LIT	264	Literature for Children	3	_____
MAT	120	Elementary Statistics ¹ OR MAT 108 College Algebra ¹ OR BUS 111 Business Mathematics	3-4	_____
SPE	115	Speech	<u>3</u>	_____
			17-18	

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ECE	140	Observation and Assessment	3	_____
ECE	245	The Exceptional Child	3	_____
ECE	266	Pre-School Administration	3	_____
ECE	268	Child Care Laboratory	<u>5</u>	_____
			14	

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.

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.



Certificate

Toward a Degree in

Early Childhood Education

Family Childcare

Career Curriculum ECE0006
 Minimum Hours: 32
 Major Code: 1.2 190709J
 Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ALH	101	Cardiopulmonary Resuscitation	1	_____
ECE	140	Observation and Assessment	3	_____
ECE	151	Health, Safety, and Nutrition	3	_____
ECE	160	Child, Growth, and Development	3	_____
ECE	260	Child, Family, and Community	3	_____
PSY	132	General Psychology	3	_____
			16	

NOTES AND INFORMATION

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). Students completing this certificate will also earn the Illinois Gateways to Opportunity, Family Child Care Credential.

*Gateways requires the minimum of 20 hours of practicum experience: 10 hours of supervised work experience in early childhood classroom and 10 hours of supervised experience in a licensed family child care home is required, totaling 20 hours of practicum experience.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ECE	171	Family Child Care Practicum*	1	_____
ECE	220	Infant Toddler Curriculum	3	_____
ECE	265	Early Childhood Curriculum	3	_____
ECE	266	Preschool Administration	3	_____
ENG	101	English Composition I	3	_____
MAT	108	College Algebra OR	3-4	_____
			16-17	

**400 hours of documented work experience in a child care center and 600 hours of documented work experience in a licensed family child care home will satisfy the practicum requirement.

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.

https://www.jalc.edu/files/uploads/global/consumer_information/pdfs/gainful_employment/family_child_care.pdf 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

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 high-quality program standards, all 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.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Economics

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs. Min.
Major Code: 1.1 450601B
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 64 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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.



Associate in Applied Science

Toward a Degree in

Electrical Engineering Technology

Career Curriculum ELT3012
Minimum Hours: 69
Major Code: 1.2 150303Y
Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
			18	

NOTES AND INFORMATION

*Completion of MAT 201 is recommended prior to transfer to SIU-C.

¹ Requires a grade of "C" or higher.

Fall only courses: Spring only courses:

ELT 102	ELT 103
ELT 111	ELT 150
ELT 151	ELT 112
ELT 214	ELT 218
MFT 103	
CPS 206	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	_____
ELT	112	Digital Electronics II	3	_____
ELT	150	Applied Solid State Electronics	3	_____
ELT	218	Introduction to Network Technologies	3	_____
MAT	131	Calculus I	5	_____
			18	

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CPS	176	Introduction to Computer Programming OR CPS 206 Computer Science I	4	_____
ELT	151	Applied Solid State Electronics	3	_____
ELT	214	A+ Preparation IT Technician	3	_____
PHY	155	College Physics I	5	_____
			15	

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.

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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 OR BUS 235 Business Correspondence	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	_____
			18	

Associate in Applied Science

Toward a Degree in

Electronics Technology

Career Curriculum 00ELT3010
Minimum Hours: 64
Major Code: 1.2 150303C
Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics I	3	_____
MAT	113	Introduction to Contemporary Mathematics	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	_____
MFT	103	Industrial Robots and PLCs	3	_____
			16	

NOTES AND INFORMATION

¹ Requires a grade of "C" or higher.

<u>Fall only courses:</u>		<u>Spring only courses:</u>	
ELT 102	ELT 236	ELT 103	ELT 210
ELT 111	ELT 151	ELT 104	ELT 224
ELT 214	ELT 270	ELT 150	MFT 201
		MFT 103	

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)

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
			16	

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).

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	151	Applied Solid State Circuits	4	_____
ELT	214	A+ Preparation IT Technician	3	_____
ELT	215	IOT and Embedded Systems	3	_____
ENG	101	English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	_____
PSC	131	American Government OR HIS 201 United States History I OR HIS 202 United States History II	3	_____
			16	

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	218	Introduction to Network Technologies	3	_____
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	_____
			18	

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.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Elementary Education

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs. Min.
Major Code: 1.1 131202A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
ART 101, 102, 111, MUS 105, THE 113 or Fine Arts Elective	_____	_____
LIT 280 or HIS 213 or Humanities Elective	_____	_____
Humanities/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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 120 or 282 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)

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

	Sem.	Grade
HIS 202 or HIS 110 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 (2 COURSES)

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

	Sem.	Grade
SCI 210A or Life Science Elective	_____	_____
SCI 210B or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 64 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
HTH 110 (2) or Elective	_____	_____
MAT 108 (4)	_____	_____
MAT 208 (3)	_____	_____
MAT 209 (3)	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
PEDE 202 or Elective	_____	_____
Electives (6)	_____	_____

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 requires a **minimum 2.75** grade point average for consideration.

Helpful tips for applying to a Teacher Education Program may be found [here](#):

SIUC TRANSFER INFORMATION: Take ENG 101 (ENGL 101), ENG 102 (ENGL 102), SPE 115 (CMST 101). Select one from ART 101 (AD 100A), ART 102 (AD100B), ART 111 (AD 101), MUS 105 (MUS 103), or THE 113 (THEA 101). Select two from LIT 280 (ENGL121), HIS 213 (EA 102), HIS 103 (HIST 101A) or HIS 104 (HIST 101B). Take PSC 131 (POLS 114), HIS 202 or 110 (HIST 110). Take SCI 210A (SCI 210A) and SCI 210B (SCI 210B). TAKE HTH 110 (HED 101), Take MAT 108 (MATH 108), MAT 208 (MATH 120), MAT 209 (MATH 220), MAT 120 or 282 (MATH 282), EDC 202 (EDUC 214), EDC 203 (EDUC 211) and PEDE 202 (KIN 202). SIUC will accept up to 78 articulated credits as applicable toward degree requirements.

SIUE TRANSFER INFORMATION: Take ENG 101(ENG 101), MAT 208 (MATH 112A), MUS 105 or 225 (MUS 111), PHL 121 (RA 101), EDC 200 (CIED 100), SPE 115 (ACS 101/SPC 101), MAT 113 or 131 (QR 101), ENG 102 (ENG 102), HIS 201 (HIST 200), MAT 108 (MATH 120), PSY 132 (PSYC 111), MAT 209 (MATH 112B), EDC 208 (SPE 400), HIS 202 (HIST 201), SELECT ONE IAI HUMANITIES LIT COURSE (ENG LITERATURE BHUM), SCI 241A (SCI 210A), PHS 103 (ESCI 111), GEO 112 (GEOG 111), PSY 262 (PSYC 201), ECO 201 or 202 (ECON 111 or 112), SCI 210B (SCI 241B).

EIU TRANSFER INFORMATION: Take EDC 200 and 202 (ELE 2050), CPS 111 (EDU 2022), EDC 203 (EDF 2555G), ENG 101(ENG 1001G), ENG 102 (ENG 1002G), SPE 115 (CMN 1310G), PSC 131 (PLS 1153G), GEO 112 (GEO 1200G), SELECT ONE from ANT 111, 216, PSC 213, PSY 132 or SOC 264 (ANT 2200G, PLS 2253G, PSY 1879G or SOC 2750G), SELECT ONE from ART 111, MUS 105 or THE 113 (ART 2330G, MUS 3553G or THA 2140G), SELECT ONE from IAI HUMANITIES LIT COURSES (ANY "G" HUMANITIES COURSE), HIS 201 or 202 (HIS 2010G or HIS 2020G), BIO 100 or 101 (BIO 1001G), PHY 155 (PHY 1151G and 1152G), CHM 151 (CHM 1310G and 1315G), PHS 103 (GEO 1300G), MAT 208 (MAT 1420), MAT 209 (MAT 2420G), MAT 120 or 282 (MAT 2250G). RECOMMENDATION includes ECO 201 or 201 (ECN 2801G or 2802G)

ISU TRANSFER INFORMATION: Take BIO 100 OR 101 (BSC 101), SPE 115 (COM 110), ENG 101 (ENG 101), GEO 112 (GEO 135), PHS 107 (GEO 211), HIS 201 (HIS 135) or HIS 202 (HIS 136), PSC 131 (POL 106), EDC202 or PSY 262 (TCH 210), ECO 201 and 202 (ECO105), LIT 264 (ENG 170), MAT 108 (MAT 119), MAT 209 (MAT 152), EDC 208 or PSY 265 (SED 101)



Associate in Applied Science

Toward a Degree in

Emergency Medical Services

Career Curriculum EMS0101
 Minimum Hours: 66
 Major Code: 1.2 510904C
 Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BIO	205	Human Anatomy and Physiology I	4	_____
EMS	250	Paramedic I	<u>11.5</u>	_____
			15.5	

NOTES AND INFORMATION

- * Or any higher math course.
- * Students must complete EMT 111 prior to EMS program. Current Illinois EMT-B or EMT-I certification is required.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
EMS	251	Paramedic II	<u>14.5</u>	_____
			14.5	

- Prior to entrance into the EMS Program: Students must successfully complete EMT 111. American Heart Association Basic Life Support Cardiopulmonary Resuscitation is the prerequisite for EMT 111. Students must hold a current Illinois EMT-Basic (EMT-B) or (EMT-Intermediate (EMT-I) license. Upon successful completion of EMT 253 the student will be eligible for Illinois paramedic licensing examination.

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
EMS	252	Paramedic III	<u>9.0</u>	_____
			9.0	

- ¹ Requires a grade of "C" or higher.
- ² 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).

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
EMS	253	Paramedic IV	<u>14.0</u>	_____
			14.0	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	206	Human Anatomy and Physiology II	4	_____
ENG	101	English Composition ¹ OR ENG 113 Professional & Technical Writing ¹	3	_____
MAT	113	Introduction to Contemporary Mathematics ² OR MAT 104 Mathematics for Allied Health*	3	_____
SPE	115	Speech ² OR SPE 116 Interpersonal Communication	<u>3</u> 13	_____

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.

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.



Certificate

Toward a Degree in Emergency Medical Services

Career Curriculum EMS 0102
Minimum Hours: 49
Major Code: 1.2 510904R
Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
EMS	250	Paramedic I	<u>11.5</u> 11.5	_____

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
EMS	251	Paramedic II	<u>14.5</u> 14.5	_____

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
EMS	252	Paramedic III	<u>9.0</u> 9.0	_____

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
EMS	253	Paramedic IV	<u>14</u> 14	_____

NOTES AND INFORMATION

* 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 \(EMS 0102\)](#). 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

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.

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.



Associate in Engineering Science Degree

Toward a Pre-Baccalaureate Degree in
Engineering Science

Transfer Curriculum AES 0096
Associate in Engineering Science:
68 Hrs. Min.
Major Code: 1.1 140101P
Effective Date: Fall 2016

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (2 COURSES)

	Sem.	Grade
ENG 101 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
ECO 201 or Social Science Elective	_____	_____
ECO 202 or Social Science Elective	_____	_____

IAI PHYSICAL SCIENCE (1 COURSE)

	Sem.	Grade
CHM151	_____	_____

ENGINEERING SPECIALIZATION CORE

Choose one of the following specializations:

Undecided:

	Sem.	Grade
EGR 101	_____	_____
PHY 201 Fall Only	_____	_____
PHY 202 Spring Only	_____	_____

	Sem.	Grade
(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:

	Sem.	Grade
PHY 214 Taught Even Years – Spring Only	_____	_____

(IAI GECC Electives, 18 credits selected from the following)

	Sem.	Grade
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	_____	_____

Civil:

	Sem.	Grade
EGR 101	_____	_____
PHY 201	_____	_____
PHY 202	_____	_____

(IAI GECC Electives, 12 credits selected from the following)

	Sem.	Grade
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:

	Sem.	Grade
CHM 152	_____	_____
CHM 201 Fall Only	_____	_____
CHM 202 Spring Only	_____	_____

(GECC IAI Electives, 6 credits selected from the following)

	Sem.	Grade
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:

	Sem.	Grade
PHY 214 Even Years – Spring Only	_____	_____
EGR 101	_____	_____
PHY 201 Fall Only	_____	_____

(GECC IAI Electives, 12 credits selected from the following)

	Sem.	Grade
SPE 115	_____	_____
Social Science Elective	_____	_____
Fine Arts Elective	_____	_____
BIO 225 or Life Science Elective	_____	_____
PHL 111 or Humanities/Fine Arts Elective	_____	_____
PHL 121 or Humanities/Fine Arts Elective	_____	_____

Computer:

	Sem.	Grade
EGR 101	_____	_____
PHY 201 Fall Only	_____	_____
PHY 202 Spring Only	_____	_____

(GECC IAI Electives, 12 credits selected from the following)

	Sem.	Grade
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	_____	_____



John A. Logan College

Associate in Science Degree Toward a Pre-Baccalaureate Degree in Engineering Technology

Transfer Curriculum 000AS0087
Associate in Science: 64 Hrs. Min.
Major Code: 1.1 150303B
Effective Date:

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
SPE 115 Speech (3)	_____	_____

IAI HUMANITIES AND FINE ARTS (2 COURSES)

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 282 (3)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

	Sem.	Grade
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 COURSES)

One course must include a lab.

	Sem.	Grade
PHY 155 (5)	_____	_____
Life Science Elective	_____	_____

Additional Associate in Science degree requirements:

PHY 155 (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 64 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

To transfer to SIUC, select from:

	Sem.	Grade
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:

	Sem.	Grade
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 the transfer institution for specific requirements.

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.



Associate in Science

Toward a Pre-Baccalaureate Degree in Engineering Undecided

Transfer Curriculum 000AS0087
Minimum Hours: 64
Major Code: 1.1 140102B
Effective Date: Fall 2016

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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: SCI 215

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

	Sem.	Grade
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.**

	Sem.	Grade
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)

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 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.

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.



John A. Logan College

Associate in Arts Degree

Toward a Pre-Baccalaureate Degree in English

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs. Min.
Major Code: 1.1 230101A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 64 hour, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
LIT 210 or Elective	_____	_____
LIT 230 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in English Education

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hrs. Min.
Major Code: 1.1 131305A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hour, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
LIT 210 or Elective	_____	_____
LIT 230 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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](#):

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



John A. Logan College

Associate in Science Degree Toward a Pre-Baccalaureate Degree in Environmental Resources and Geography

Transfer Curriculum 000AS0087
Associate in Arts: 63 Hrs. Min.
Major Code: 1.1 150507B
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)

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

	Sem.	Grade
Life Science Elective	_____	_____
PHS 107 or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 63 hour, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
SCI 215 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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.



Associate in Applied Science

Toward a Degree in Graphics Design

Career Curriculum GRD2004
Minimum Hours: 67
Major Code: 1.2 500409C
Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ART	101	Two Dimensional Design	3	_____
ART	180	Drawing I	3	_____
CIS	207	Computer Applications for Business	3	_____
ENG	101	English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	_____
GRD	110	Graphics Design I	<u>5</u>	_____
			17	

NOTES AND INFORMATION

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.

³ Electives to choose from: ART 205, ART 256, ART 297, BUS 110, BUS 235, BUS 222, CIS 105, CIS 208

The Graphics Design AAS Degree (GRD 2004) is the parent program to:

- Graphics Design Certificate Program (GRD 0005)

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
GRD	120	Graphics Design II	5	_____
IAI	Social and Behavioral Science Elective		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	<u>3</u>	_____
			14	

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).

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ATI	200	Applied Technologies Internship ²	<u>1-3</u>	_____
			3	

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ART	220	History of Art I OR ART 291 History of Photography	3	_____
ART	290	Computer Art I	3	_____
ART	296	Photography I Elective ³	3	_____
GRD	210	Graphics Design III	<u>5</u>	_____
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ART	292	Computer Art II	3	_____
ART	293	Art Preparation and Portfolio Elective ³	1	_____
GRD	220	Animation	2	_____
GRD	230	Video Production	3	_____
MKT	224	Advertising	<u>3</u>	_____
			15	

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.

Certificate

Toward a Degree in Graphics Design

Career Curriculum GRD0005
Minimum Hours: 50
Major Code: 1.2 500409J
Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ART	101	Two Dimensional Design	3	_____
ART	180	Drawing I	3	_____
CIS	207	Computer Applications	3	_____
GRD	110	Graphics Design I	<u>5</u>	_____
			14	

NOTES AND INFORMATION

¹Electives to choose from: ART 205, ART 256, ART 297, BUS 110, BUS 235, BUS 222, BUS 255, CIS 105, CIS 208

The Graphics Design Certificate Program (GRD 0005) is an ICCB approved extension of the Graphic Design Associate in Applied Science Degree (GRD 2004).

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ART	290	Computer Art I	3	_____
		Elective ¹	3	_____
GRD	120	Graphics Design II	5	_____
IND	138	Industrial Seminar	<u>1</u>	_____
			12	

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

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ART	220	History of Art I OR	3	_____
ART	291	History of Photography		_____
ATI	200	Applied Technologies Internship	1	_____
GRD	210	Graphics Design III	<u>5</u>	_____
			9	

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ART	292	Computer Art II	3	_____
ART	296	Photography I	3	_____
GRD	220	Animation	3	_____
GRD	230	Video Production	3	_____
MKT	224	Advertising	<u>3</u>	_____
			15	

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.

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.

Associate in Applied Science

Toward a Degree in

Heating and Air Conditioning

Career Curriculum HAC0095
Minimum Hours: 66
Major Code: 1.2 470201C
Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Grade
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	_____
IAI Social & Behavioral Science Elective	3	_____
WEL 150 Oxy-Acetylene Fusion Welding I	1	_____
WEL 152 Brazing and Soldering	1	_____
	16	

NOTES AND INFORMATION

Fall Only Courses:	Spring Only Courses:	
HAC 102	HAC 105	HAC 142
HAC 106	HAC 107	HAC 207
HAC 121	HAC 122	HAC 224
HAC 132	HAC 131	HAC 279
HAC 140		
HAC 222		
HAC 240		

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.

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Grade
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	_____

The Heating and Air Conditioning Degree Program (HAC0095) is the parent program to:

- Heating and Air Conditioning Certificate Program (HAC 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).

FIRST YEAR – SUMMER SEMESTER (OPTIONAL)

Dept. No.	Hrs.	Grade
ATI 200 Applied Technologies Internship ² (Summer only)	1-3 1-3	_____

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.

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Grade
CMG 107 Construction Document Interpretation	3	_____
ENG 101 English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	_____
HAC 106 Advanced Sheet Metal Layout	2	_____
HAC 132 Refrigeration and Air Conditioning II	4	_____
HAC 222 Advanced Heating Systems	3	_____
HAC 240 Installation of HVAC Systems	3 18	_____

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.

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Grade
HAC 142 Commercial Refrigeration	4	_____
HAC 207 Advanced Controls and Circuitry	3	_____
HAC 224 Geothermal Systems	3	_____
HAC 279 ICE Testing	2	_____
IAI Physical/Life Science OR IAI Humanities/Fine Arts Elective	3 15	_____

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	Pliers	Screwdrivers
• Nutdriver ND5 ¼"	• 7" Diagonal Pliers	• Phillips Stubby Screwdriver
• Nutdriver ND7 5/16"	• 7 ½" Longnose Pliers	• #2 x 4" Phillips Screwdriver
• Manifold Gauge Set	• 6" Slip Joint Pliers	• Flat Stubby Screwdriver
	• ARC Joint 9-1/2" Pliers	• 3/16" x 6" Slotted Screwdriver
		• 5/16" x 6" Slotted

Certificate

Toward a Degree in

Heating and Air Conditioning

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	1	_____
			13	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
			14	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	_____
HAC	106	Advanced Sheet Metal Layout	2	_____
HAC	132	Refrigeration & Air Conditioning II	4	_____
HAC	140	Weatherization	3	_____
HAC	222	Advanced Heating Systems	3	_____
HAC	240	Installation of HVAC Systems	3	_____
			18	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ATI	200	Applied Technologies Internship ¹ OR PSY 110 College Success and Career Planning ¹	1-3 1-3	_____

NOTES AND INFORMATION

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–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

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

Nutdrivers

- Nutdriver ND5 1/4"
- Nutdriver ND7 5/16"

Screwdrivers

- Phillips Stubby Screwdriver
- #2 x 4" Phillips Screwdriver
- Flat Stubby Screwdriver
- 3/16" x 6" Slotted Screwdriver
- 5/16" x 6" Slotted Screwdriver

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
- Tinners 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.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in History

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs. Min.
Major Code: 1.1 540101A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
PHS 107 or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 64 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
HIS 101 and HIS 102 <u>or</u>	_____	_____
HIS 103 and HIS 104	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in History Education

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hrs. Min.
Major Code: 1.1 131328A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
PHS 107 or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hour, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
HIS 101 and HIS 102 <u>or</u>	_____	_____
HIS 103 and HIS 104	_____	_____
HIS 201	_____	_____
HIS 202	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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](#):

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. **123**



Certificate

Toward a Degree in

Home Performance Specialist

Career Curriculum HAC2016
 Minimum Hours:25
 Major Code:150503K
 Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	100	Construction Orientation	1	_____
CMG	110	Wood Frame Construction	4	_____
HAC	102	Residential Electrical Wiring	4	_____
HAC	140	Weatherization	3	_____
			12	

NOTES AND INFORMATION

<u>Fall Only Courses</u>		<u>Spring Only Courses</u>	
CMG	100	HAC	131
CMG	110	HAC	224
HAC	102	CMG	215
HAC	140		

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	_____
CMG	215	Green Building in the 21 st Century	3	_____
HAC	131	Refrigeration I	4	_____
HAC	224	Geothermal Systems	3	_____
			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–Home Performance Specialist Certificate Program \(HAC2016\)](#). 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

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

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.



John A. Logan College

Associate in Applied Science

Toward a Degree in

Industrial Maintenance

Career Curriculum IDM00069
 Minimum Hours: 72
 Major Code: 1.2 470303C
 Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

NOTES AND INFORMATION

<u>Fall Only Courses:</u>		<u>Spring Only Courses:</u>	
ELT 102		ELT 150	HAC 131
HAC 121		ELT 224	IDM 120
HAC 132			MFT 201
IDM 210			
MFT 103			

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	150	Applied Solid State Electronics	4	_____
HAC	131	Refrigeration and Air Conditioning I	4	_____
IDM	120	Safety and Environmental Management	2	_____
IAI Social and Behavioral Science Elective			3	_____
WEL	201	Industrial Maintenance Welding Lab	<u>6</u> 19	_____

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).

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

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 <ul style="list-style-type: none"> • #2 Phillips Screwdriver • 3/4" Standard Screwdriver | Pliers <ul style="list-style-type: none"> • Needle Nose Pliers • Side Cutter (Diagonal) Pliers • Lineman's Pliers |
|--|---|

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
IAI Physical/Life Science or IAI Humanities/ Fine Arts Elective			<u>3-5</u> 17	_____

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

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.

SECOND YEAR – SUMMER SEMESTER OPTIONAL

Dept.	No.		Hrs.	Grade
ATI	200	Applied Technologies Internship ² OR PSY 110 College Success and Career Planning ²	1-3	_____



Associate in Applied Science

Toward a Degree in

Industrial Maintenance Engineering

Career Curriculum 00ELT3012
 Minimum Hours: 65-68
 Major Code: 1.2 150612C
 Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics	3	_____
MAT	113	Contemporary Math or MAT 120- Elementary Statistics or MAT 111 Pre-Calculus	3-5	_____
MFT	103	Industrial Robots & PLCs	3	_____
ENG	101	English Composition I ² OR ENG 113 Professional Technical Writing ²	15-18	_____

NOTES AND INFORMATION

² Requires a grade of "C" or higher.

Fall only courses: Spring only courses:

ELT 102	ELT 214	ELT 103	IDM 120
ELT 111		ELT 104	IDM 207
ELT 151		ELT 150	MFT 201
IDM 210		ELT 224	ELT 218
MFT 103		ELT 220	

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)

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3	_____
ELT	218	Introduction to Network Technologies	3	_____
MFT	201	PLC Manufacturing Systems	3	_____
			18	

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).

OPTIONAL

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
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.

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	151	Applied Solid State Circuits	3	_____
ELT	214	A+ Preparation IT Technician	3	_____
IDM	210	Hydraulics & Pneumatics	4	_____
PHY	155	College Physics I	5	_____
			15	

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.

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
PSY	132	General Psychology	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	_____
			17	



John A. Logan College

Certificate Toward a Degree in Industrial PLC Systems

Career Curriculum 00ELT3013
Minimum Hours: 29
Major Code: 1.2 150303X
Effective Date: Fall 2018

FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

NOTES AND INFORMATION

<u>Fall only courses:</u>		<u>Spring only courses:</u>	
ELT	102	ELT	104
IDM	210	ELT	150
MFT	103	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)

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	_____
ELT	104	Introduction to VFDs	2	_____
ELT	150	Applied Solid State Electronics	3	_____
ELT	224	Power Distribution and Motors	3	_____
MFT	201	PLC Manufacturing Systems	3 15	_____

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

Career Opportunities: Entry-level PLC maintenance and PLC System Programmer.

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.



John A. Logan College

Certificate Toward a Degree in Information System Technician

Career Curriculum ELT0106
Minimum Hours: 12
Major Code: 1.2 470104Q
Effective Date: Spring 2009

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	_____
ELT	210	A+ Preparation Essentials	3	_____
ELT	214	A+ Preparation IT Technician	3	_____
ELT	218	Introduction to Network Technologies	3 12	_____

NOTES AND INFORMATION

The Information System Technician Certificate Program (ELT 0106) is an ICCB approved extension of the Computer Support and Networking AAS Degree (00ELT3015).

Career Opportunities: computer hardware engineer, computer technician, computer support specialists, network/computer support administrator, network installer.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in International Studies

Transfer Curriculum: 000AA0086
Associate in Arts: 64 Hrs. Min.
Major Code: 1.1 302001A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (9 HOURS)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (3 HOURS)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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 include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 64 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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.

	Sem.	Grade
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



Associate in Applied Science

Toward a Degree in

Interpreter Preparation

Career Curriculum IPP0093
 Minimum Hours: 68
 Major Code: 1.2 161603C
 Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition I ¹	3	_____
IPP	141	American Sign Language I (ASL I) ¹	4	_____
IPP	111	Non-Verbal Language ¹	3	_____
ANT	216	Cultural Anthropology OR SOC 215 Diversity in American Life	3	_____
SPE	115	Speech	<u>3</u>	_____
			16	

NOTES AND INFORMATION

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 MAT 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).

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BIO	100	Biology for Non-Science Majors	4	_____
IPP	142	American Sign Language (ASL II) ¹	4	_____
IPP	151	Deaf Studies/Culture	3	_____
IPP	201	Introduction to Interpreting	4	_____
MAT	113	Introduction to Contemporary Mathematics ² OR BUS 111 Business Mathematics	<u>3</u> 18	_____

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
IPP	143	American Sign Language (ASL III) ¹	5	_____
IPP	211	ASL Linguistics I	3	_____
IPP	222	Interpreting ASL-English	4	_____
IPP	231	Interpreting I	4	_____
IPP	249	Field Experience	<u>3</u>	_____
			19	

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.

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.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
IPP	212	ASL Linguistics II	3	_____
IPP	223	Introduction to Transliterating	3	_____
IPP	240	Fingerspelling and Numbers I	1	_____
IPP	241	Fingerspelling and Numbers II	1	_____
IPP	250	Field Experience	3	_____
IPP	251	Interpreting II	<u>4</u>	_____
			15	



Associate in Applied Science

Toward a Degree in

1ST Computer Support and Networking*

Career Curriculum 00ELT3022
 Minimum Hours: 65
 Major Code: 1.2 470104F
 Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	3	_____
			16	

NOTES AND INFORMATION

Fall Only Courses:		Spring Only Courses:	
CIS 200	ELT 102	ELT 210	ELT 218
CIS 206	ELT 111	CIS 213	ELT 112
CIS 216	ELT 214	ELT 150	
CIS 219	ELT 215		

*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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	150	Applied Solid State Electronics	3	_____
CIS	208	Security Awareness	3	_____
CIS	230	Operating Systems	3	_____
ELT	112	Digital Electronics II	3	_____
ENG	101	English Composition I ² OR ENG 113 Professional Technical Writing ²	3	_____
PHY	121	Technical Physics	3	_____
			18	

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CIS	216	Cloud Technology ¹	3	_____
CIS	219	Ethical Hacking	3	_____
ELT	214	A+ Preparation IT Technician	3	_____
ELT	215	IOT and Embedded Systems ¹	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	_____
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3	_____
			16	

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.

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.



Certificate

Toward a Degree in

Massage Therapy

Career Curriculum MAS2004
 Minimum Hours: 35.5
 Major Code: 1.2 513501J
 Effective Date: Fall 2018

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
			17	

NOTES AND INFORMATION

* 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.

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
MAS	108	Massage Therapy Clinic Practice	1.5	_____

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

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
			17	

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.

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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Mathematics Education

Transfer Curriculum: 000AA0086
Associate of Arts: 62 Hrs. Min.
Major Code: 1.1270101A
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
Fine Arts Elective (3)	_____	_____
Humanities Elective (3)	_____	_____
Fine Arts 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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)

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

	Sem.	Grade
PSY 132 (3)	_____	_____
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.

	Sem.	Grade
Life Science Elective	_____	_____
PHY 205 or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
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 64 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor**

	Sem.	Grade
MAT 201 (5)	_____	_____
MAT 202 (3) or MAT 205 (3) or Elective	_____	_____
MAT 221 (3)	_____	_____
EDC 202 (3)	_____	_____
EDC 203 (3)	_____	_____
EDC 208 (3) or Elective	_____	_____
One Year 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.

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](#):

IAI Mathematics Major Panel Recommendations include: MAT 131 (MTH 901), 201 (MTH 902), 202 (MTH 903), 221 (MTH 911), 205 (MTH 912), PHY 205 (PHY 911) and CPS 206 (CS 911)

SIUC TRANSFER INFORMATION: For the B.S. degree in Mathematics Education under the College of Education and Human Resources, take EDC 202, 203, MAT 131, 201, 202 or 205, 221, CPS 176 or CPS 206.

SIUE TRANSFER INFORMATION: Take MAT 131 (MATH 150), MAT 201 (MATH 152), MAT202 (MATH 250), MAT 221 (MATHE 321), PHY 205 (PHYS 151/151L), EDC 200 (CIED 100), EDC 203 (EPFR 320), EDC 208 (SPE 2000).

EIU TRANSFER INFORMATION: Take MAT 131 (MAT 1441G, 201 (MAT 2442), 202 (MAT 2443), 221 (MAT2550), CPS 206 (CSM 2170),EDC 203 (EDF 2555G). Complete the second semester of a foreign language (SPN 202, GER 202, FRE 202) Note IPP 142 will also meet the requirement. Take an approved IAI Humanities/Fine Arts or Social Science course to meet a culturally diverse course requirement (select from HIS 103, 104, 213, LIT 284, 290, 295, PHL 200, 260, ANT 111, 202, 216, GEO 112, PSC 212, 213, SOC 133, 215 or 264.

ISU TRANSFER INFORMATION: Take MAT 131 (MAT 145), MAT 201 (MAT 146), MAT 202 (MAT 147), MAT 221 (MAT 175), PSY 132 (PSY 110), SPN 102 or GER 102 or FRE 102 (LAN 112 equivalent), EDC 208 (SED 101) and CPS 206 (IT 168). Fulfill the AMALI degree requirement by selecting one course from the following: ANT 111, 216, GEO112, HIS 103, 104, 213, HUM 120, PHL 200, 260, PSC 120, 212 or 213.



John A. Logan College

Associate in Science Degree

Toward a Pre-Baccalaureate Degree in Mathematics

Transfer Curriculum 000AS0087
Associate in Arts: 64 Hrs. Min.
Major Code: 1.1 270101B
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131 (5)	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
BIO 101 (4) or Life Science Elective	_____	_____
PHY 205 (5) or Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 110, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

Additional Associate in Science Degree Requirements

(Courses should be applicable to the desired major)

	Sem.	Grade
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 a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements

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

Certificate

Toward a Degree in

Medical Assistant

Career Curriculum MDA2006
 Minimum Hours: 36
 Major Code: 1.2 510801K
 Effective Date: Spring 2017

FIRST YEAR – SU MMER SEMESTER

Dept.	No.		Hrs.	Grade
BUS	115	Keyboarding ¹	1	_____
NAD	101	Nursing Assistant Training ²	7	_____
			8	

NOTES AND INFORMATION

* 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.

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BIO	105	Human Biology ³	4	_____
HIT	217	Medical Terminology	3	_____
MDA	120	Introduction to Medical Assisting	3	_____
MDA	122	Medical Office Procedures	4	_____
MDA	126	Introduction to Electronic Health Records	2	_____
			16	

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MDA	130	Pharmacology ⁴	3	_____
MDA	132	Medical Clinic Procedures	4	_____
MDA	133	Medical Office Laboratory Procedures	2	_____
MDA	134	Externship	3	_____
			12	

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 \(MDA 2006\)](#).

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

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)

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.



Associate in Applied Science

Toward a Degree in

Medical Administrative Assistant

Career Curriculum 00BUS0012
Minimum Hours: 60
Major Code: 1.2 510716C
Effective Date: Summer 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	3 15	_____

NOTES AND INFORMATION

Fall Only Courses:	Spring Only Courses:
BUS 255 HIT 205	BUS 270 CIS 105 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). See your advisor or the chairperson of the Business Department for information.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
BUS	235	Business Correspondence	3	_____
BUS	270	Medical Office Procedures	3	_____
CIS	105	Current Operating Systems/Security	3	_____
ENG	101	English Composition I ³ OR ENG 113 Professional Technical Writing ³	3	_____
MAT	113	Introduction to Contemporary Mathematics ² OR BUS 111 Business Mathematics ²	3 15	_____

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 Clerk Certificate Program (00BUS0017)

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
HIT	206	Medical Insurance & Billing Procedures	3	_____
SPE	115	Speech ² OR SPE 116 Interpersonal Communication ²	3 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).

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting	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	_____
IAI Humanities OR IAI Fine Arts Elective ⁴			3 15	_____

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 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.

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.



Certificate

Toward a Degree in

Medical Clerk

Career Curriculum 00BUS0017
 Minimum Hours: 16
 Major Code: 1.2 510716K
 Effective Date: Fall 2016

FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	116	Keyboarding ¹	3	_____
BUS	135	Office Language Skills	3	_____
HIT	217	Medical Terminology	<u>3</u>	_____
			9	

NOTES AND INFORMATION

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.

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	

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

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.

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.



John A. Logan College

Certificate Toward a Degree in Medical Coding

Career Curriculum HIT2017
Minimum Hours: 29
Major Code: 1.2 510713J
Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	

NOTES AND INFORMATION

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	

*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.

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.

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.



Associate in Applied Science

Toward a Degree in Medical Laboratory Technology

Career Curriculum MLT0093
Minimum Hours: 65
Major Code: 1.2 511004C
Effective Date: Spring 2011

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
BIO	205	Human Anatomy and Physiology I	4 4	_____ _____

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	3 14-15	_____ _____

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3 14	_____ _____

SECOND YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition I ²	3	_____ _____
SPE	115	Speech	3 6	_____ _____

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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)	3 12	_____ _____

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3 1	_____ _____

NOTES AND INFORMATION

*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.

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 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.



John A. Logan College

Associate in Arts Degree Toward a Pre-Baccalaureate Degree in Music

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs. Min.
Major Code: 1.1500921A
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
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.

Aural Skills, *Theory:

	Sem.	Grade
MUS 108 (1)	_____	_____
MUS 109 (1)	_____	_____
MUS 121 (3)	_____	_____
MUS 122 (3)	_____	_____
MUS 208 (1)	_____	_____
MUS 209 (1)	_____	_____
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:

	Sem.	Grade
MUS 101A or 102A (1)	_____	_____
MUS 101A or 102A (1)	_____	_____
MUS 101A or 102A (1)	_____	_____
MUS 101A or 102A (1)	_____	_____

Applied Music Instruction (Piano)

	Sem.	Grade
MUS 106 (1)	_____	_____
MUS 111B (1)	_____	_____
MUS 111B (1)	_____	_____
MUS 111B (1)	_____	_____
MUS 225 or Elective (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 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.

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



John A. Logan College

Associate in Fine Arts Degree

Toward a Pre-Baccalaureate Degree in Music Education

Transfer Curriculum: 00AFA0089
Associate in Arts: 66 Hrs. Min.
Major Code: 1.1 131312M
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC)

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)

	Sem.	Grade
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.

	Sem.	Grade
MUS 225 (3)	_____	_____
Humanities Elective	_____	_____

IAI Humanities Electives:

Foreign Language: FRE 202, GER 202, SPN 202
History: HIS 101, 102, 213
Literature: LIT 210, 230, 235, 264, 280, 281, 284, 285
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 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 (1 COURSE)

	Sem.	Grade
PSY 132 or PSC 131 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.

	Sem.	Grade
IAI Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS

(IAI GECC and major/elective credits must total a minimum of 66 hours for the degree.)

	Sem.	Grade
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____

	Sem.	Grade
--	------	-------

Aural Skills, *Theory:

MUS 108 (1)	_____	_____
MUS 109 (1)	_____	_____
MUS 121 (3)	_____	_____
MUS 122 (3)	_____	_____
MUS 208 (1)	_____	_____
MUS 209 (1)	_____	_____
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.

	Sem.	Grade
--	------	-------

Ensemble

MUS 101A or 102A (1)	_____	_____
MUS 101A or 102A (1)	_____	_____
MUS 101A or 102B (1)	_____	_____
MUS 101A or 102A (1)	_____	_____

	Sem.	Grade
--	------	-------

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 66 credits and does not require the full IAI GECC component, which can be completed upon transfer.

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 68.**

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 selected). Helpful tips for applying to a Teacher Education Program may be found [here](#):

SIUC TRANSFER INFORMATION: Transfer students are required to audition in the applied area for admission into the Music Program.

SIUE TRANSFER INFORMATION: EDC 200, MUS 211 A-Z for 2 credits for two semesters, and 2 semesters in a single foreign language are required. PHL 121 is recommended for the IAI Humanities course. CIS 207 or CPS 176 is also recommended.



John A. Logan College

Associate in Fine Arts

Toward a Bachelor's Degree in

Music Performance

Transfer Curriculum 00AFA0088
Associate in Arts: 66 Hours
Major Code: 1.1500901M
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295

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

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225

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

Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151

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

Physical Science: PHS 102, 103, 105, 107

Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 66 hours)

	Sem.	Grade
MUS 108	_____	_____
MUS 109	_____	_____
MUS 208	_____	_____
MUS 209	_____	_____
MUS 121	_____	_____
MUS 122	_____	_____
MUS 221	_____	_____
MUS 222	_____	_____

*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:

	Sem.	Grade
MUS 101A or MUS 102A	_____	_____
MUS 101A or MUS 102A	_____	_____
MUS 101A or MUS 102A	_____	_____
MUS 101A or MUS 102A	_____	_____

Applied Music Instruction (Piano and Primary):

	Sem.	Grade
MUS 106	_____	_____
MUS 111B	_____	_____
MUS 111B	_____	_____
MUS 111B	_____	_____
MUS 211	_____	_____

ARTICULATION NOTES: Consult 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.**

PROGRAM INFORMATION: This program guide includes recommendations for the Associates in Fine Arts (AFA) degree. This degree requires up to 66 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.



Associate in Applied Science

Toward a Degree in Nursing

Career Curriculum ADN15
Minimum Hours: 71
Major Code: 1.2 513801C
Effective Date: Spring 2013

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

NOTES AND INFORMATION

* 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:

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

Course	Credit Hours
BIO 205 Human Anatomy and Physiology I	4
ENG 101 English Composition I	3
PNE 100 Nutrition	3
PNE 101 Fundamentals of Nursing	3
PNE 105 Nursing Throughout the Life Cycle	2
PNE 171 Pharmacology in Nursing II	2
PNE 194 Community Nursing Clinical	1
PNE 209 I.V. Therapy (or comparable I.V. course)	5
PSY 132 General Psychology	<u>3</u>
TOTAL CREDIT HOURS	21.5

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

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.

SECOND YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
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	_____

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.



Associate in Applied Science

Toward a Degree in Nursing (Hybrid Online)

Career Curriculum ADN 16
Minimum Hours: 73
Major Code: 1.2 513801V
Effective Date: Fall 2017

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ADN	203	Intro to Conceptual Framework ¹	3	_____

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
ADN	205	Respiratory Nursing Intervention	3	_____
ADN	206	Cardiovascular Nursing Interventions	3	_____
			6	

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ADN	207	Metabolic/Endocrine Nursing Interventions	3	_____
ADN	212	Psychiatric Nursing Interventions	2	_____
ADN	224	Obstetrical Nursing Interventions	2	_____
ADN	226	Neuro/Sensory Nursing Interventions	3	_____
ADN	230	Pharmacology I	1.5	_____
			11.5	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	1.5	_____
			12.5	

NOTES AND INFORMATION

*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:

Course	Credit Hours
BIO 205 Human Anatomy and Physiology I	4
ENG 101 English Composition I	3
PNE 100 Nutrition	3
PNE 101 Fundamentals of Nursing	3
PNE 105 Nursing Throughout the Life Cycle	2
PNE 171 Pharmacology in Nursing II	2
PNE 194 Community Nursing Clinical	1
PNE 209 I.V. Therapy (or comparable I.V. course)	.5
PSY 132 General Psychology	3
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.



Certificate

Toward a Degree in

Nursing Assistant

Career Curriculum 00NAD0055
 Minimum Hours: 7
 Major Code: 1.2 513902K
 Effective Date: Fall 2008

Dept. No.
 NAD 101 Nursing Assistant Training

Hrs. **Grade**
 7
 7 _____

NOTES AND INFORMATION

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

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.



Associate in Applied Science

Toward a Degree in

Occupational Therapy Assistant

Career Curriculum OTA0094
Minimum Hours: 70
Major Code: 1.2 510803C
Effective Date: Spring 2015

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	<u>4</u>	_____
			18	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	<u>3</u>	_____
			19	

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
MAT	120	Elementary Statistics OR MAT 104 Mathematics for Allied Health	3	_____
SPE	115	Speech	<u>3</u>	_____
			6	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	<u>3</u>	_____
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	<u>3</u>	_____
			12	

NOTES AND INFORMATION

*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.

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 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.



John A. Logan College

Certificate Toward a Degree in Office Assistant

Career Curriculum 00BUS0016
Minimum Hours: 19
Major Code: 1.2 520401K
Effective Date: Fall 2015

FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	116	Keyboarding I ¹	3	_____
BUS	135	Office Language Skills	3	_____
CIS	101	Introduction to Computers OR CIS 207 Computer Applications	3 9	_____

NOTES AND INFORMATION

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.

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3 10	_____

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 \(00BUS0016\)](http://www.jalc.edu/gainful_employment/office_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/office_assistant/Gedt.html

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.

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.



John A. Logan College

Certificate Toward a Degree in Paint and Metal Technician

Career Curriculum AUT0115
Minimum Hours: 18
Major Code: 1.2 470603K
Effective Date: Spring 2012

Dept.	No.		Hrs.	Grade
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 18	_____

NOTES AND INFORMATION

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

Career Opportunities: Auto Body Painter, Painter's Helper, Paint Prepper, Auto Body Shop Receptionist, Entry-Level Metal Fabricator, Collision Technician

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.



John A. Logan College

Associate in Science Degree Toward a Pre-Bachelor's Degree in Physical Education/Kinesiology Teacher Education

Transfer Curriculum 000AS0087
Associate in Arts: 62 Hrs.
Major Code: 1.131314B
Effective Date: Fall 2018

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. 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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295

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

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
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.

	Sem.	Grade
PSC 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 be at least 4 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225

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

Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151

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

Physical Science: PHS 102,103,105,107

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.**

	Sem.	Grade
BIO 105 or Elective	_____	_____
EDC 202 or Elective	_____	_____
EDC 203 or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

ARTICULATION NOTES: Consult with the transfer institution to assess if certain courses requires 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.



John A. Logan College

Associate in Science Degree

Toward a Bachelor's Degree in

Physics

Transfer Curriculum 000AS0087
Associate in Arts: 64 Hrs.
Major Code: 1.1400801B
Effective Date: Fall 2018

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. 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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 131	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
BIO 101 or Life Science Elective	_____	_____
PHY 205	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
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.**

	Sem.	Grade
PHY 206-Spring Only	_____	_____
MAT 201	_____	_____
MAT 202	_____	_____
MAT 205 or Elective	_____	_____
MAT 221 or Elective	_____	_____
CHM 151 or Elective	_____	_____
Foreign Language or Elective (8)	_____	_____

ARTICULATION NOTES: Consult with the transfer institution to assess if certain courses required a grade of "C" or higher, or if there is a minimum grade point average for admission to your declared major. Please select course 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, HIS103, HIS 104, HUM 120, PHL 200, PHL 260, PSC 120, or PSC 212 to satisfy the Global Studies requirement for all majors.



John A. Logan College

Associate in Arts Degree

Toward a Pre-Bachelor's Degree in

Political Science

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs.
Major Code: 1.1451001A
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
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 determine 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.

	Sem.	Grade
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	_____	_____

ARTICULATION NOTES: 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 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.



Certificate

Toward a Degree in

Nursing-Practical Nursing

5-Semester Part-Time

Career Curriculum 00LPN0061
 Minimum Hours: 35.5-36
 Major Code: 1.2 513901J
 Effective Date: Fall 2018

REQUIRED GENERAL EDUCATION COURSES

Dept.	No.		Hrs.	Grade
ALH	101	Cardiopulmonary Resuscitation ¹ or ALH 102 CPR Recertification	.5-1.0	_____
BIO	205	Human Anatomy and Physiology I ²	4	_____
BIO	206	Human Anatomy and Physiology II	4	_____
SPE	116	Interpersonal Communication	3	_____
			11.5-12	

NOTES AND INFORMATION

*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.

FIRST SEMESTER – SPRING

Dept.	No.		Hrs.	Grade
PNE	098	PN Orientation	.5	_____
PNE	101	Fundamentals of Nursing	3	_____
PNE	102	Nursing Procedures	2	_____
PNE	103	Clinical Nursing	1.5	_____
PNE	161	Pharmacology in Nursing I	2	_____
			9	

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

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.

<http://www.jalc.edu/nursing/practical-nursing-program>

The graduate of the John A. Logan College Practical Nursing Program will be able to do the following as delegated by a registered professional nurse or an advanced practice nurse or as directed by a Physician Assistant, Physician or podiatrist and includes:

1. Collecting data and collaborating in the assessment of the health status of a patient.

SECOND SEMESTER – SUMMER

Dept.	No.		Hrs.	Grade
PNE	105	Nursing throughout the Life Cycle	1	_____
PNE	193	Pediatric Nursing	1.5	_____
			2.5	

THIRD SEMESTER – FALL

Dept.	No.		Hrs.	Grade
PNE	171	Pharmacology in Nursing II	2	_____
PNE	204	Adult Nursing I	2	_____
PNE	205	Medical/Surgical Clinic I	1.5	_____
PNE	209	I.V. Therapy	5	_____
			5.5	

FOURTH SEMESTER – SPRING

Dept.	No.		Hrs.	Grade
PNE	183	Maternal and Newborn Health	1.5	_____
PNE	184	Obstetric Clinical	5	_____
PNE	206	Adult Nursing II	2	_____
PNE	207	Medical/Surgical Clinic II	1.5	_____
PNE	208	Mental Health Nursing	1	_____
			6.5	



Certificate

Toward a Degree in

Nursing – Practical Nursing*

Career Curriculum 00LPN0061
 Minimum Hours: 35.5-36
 Major Code: 1.2 513901J
 Effective Date: Fall 2018

FIRST SEMESTER – SUMMER

Dept.	No.		Hrs.	Grade
PNE	098	PN Orientation	.5	_____

SECOND SEMESTER – FALL

Dept.	No.		Hrs.	Grade
ALH	101	Cardiopulmonary Resuscitation ¹ or ALH 102 CPR Recertification	.5-1.0	_____
BIO	205	Human Anatomy and Physiology I ²	4	_____
PNE	101	Fundamentals of Nursing	3	_____
PNE	102	Nursing Procedures	2	_____
PNE	103	Clinical Nursing	1.5	_____
PNE	105	Nursing throughout the Life Cycle	1	_____
PNE	161	Pharmacology in Nursing I	2	_____
PNE	208	Mental Health Nursing	1	_____
PNE	209	I.V. Therapy	.5	_____
SPE	116	Interpersonal Communication	3	_____
			18.5-19	

THIRD SEMESTER - SPRING

Dept.	No.		Hrs.	Grade
BIO	206	Human Anatomy & Physiology II	4	_____
PNE	171	Pharmacology in Nursing II	2	_____
PNE	183	Maternal and Newborn Health	1.5	_____
PNE	184	Obstetrics Clinical	.5	_____
PNE	193	Pediatric Nursing	1.5	_____
PNE	204	Adult Nursing I	2	_____
PNE	205	Medical/Surgical Clinic I	1.5	_____
PNE	206	Adult Nursing II	2	_____
PNE	207	Medical/Surgical Clinic II	1.5	_____
			16.5	

NOTES AND INFORMATION

*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 \(00LPN0061\)](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

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 two-semester certificate program. This program is accredited by the North Central Association of Colleges and Schools and approved by the Illinois Department of Financial and 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 LPN.)
2. Be employed as a licensed 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 Testing Services Office at the College. The admissions packet to the Practical Nursing Program is under Restricted Allied Health Admission. The steps to be followed are specified in the packet. <http://www.jalc.edu/nursing/practical-nursing-program>

In addition to completing a College application, the applicant must be able to do the following: provide a high school transcript from an accredited high school, or possess a G.E.D. transcript; successfully complete the practical nursing pre-entrance examination, including anatomy and physiology and communication, Accuplacer, ACT, SAT ASSET or COMPASS, 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 as delegated by a registered professional nurse or an advanced practice nurse or as directed by a Physician Assistant, Physician or podiatrist and includes:

1. Collecting data and collaborating in the assessment of the health status of a patient.



John A. Logan College

Associate in Science Degree

Toward a Pre-Bachelor's Degree in

Pre-Chiropractic

Transfer Curriculum 000AS0087
Associate in Arts: 62 Hrs.
Major Code: 1.151199R
Effective Date: Fall 2018

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. 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.

Additional Associate in Science Degree requirements (Courses should be applicable to your intended majors)

	Sem.	Grade
MAT 108	_____	_____
BIO 102	_____	_____

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
SPE 115 Speech	_____	_____

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.

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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

	Sem.	Grade
MAT 109	_____	_____
CHM 151	_____	_____
CHM 152	_____	_____
CHM 201	_____	_____
CHM 202	_____	_____
PHY 156	_____	_____

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 MATHEMATICS (1 COURSE)

	Sem.	Grade
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

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.

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
PSY 132	_____	_____
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

--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.

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)

One course must include a lab component.

	Sem.	Grade
BIO 101	_____	_____
PHY 155	_____	_____



John A. Logan College

Associate in Arts Degree

Toward a Pre-Bachelor's Degree in Pre-Law

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hrs.
Major Code: 1.1220001A
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295

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

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225

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

Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151

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

Physical Science: PHS 102,103,105,107

Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
PSC 220 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

SIUC TRANSFER TRANSFERINFORMATION: 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, GEO112, 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 maybe used to satisfy the language requirement.

ISU TRANSFER INFORMATION: Students should select one course from ANT111, 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.



John A. Logan College

Associate in Science Degree

Toward a Pre-Bachelor's Degree in

Pre-Pharmacy

Transfer Curriculum 000AS0087
Associate in Arts: 64 Hrs.
Major Code: 1.1511103B
Effective Date: Fall 2018

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. 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.

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)

	Sem.	Grade
BIO 205	_____	_____
BIO 206	_____	_____
BIO 226	_____	_____
CHM 151	_____	_____
CHM 152	_____	_____
CHM 201	_____	_____
CHM 202	_____	_____

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
PHL 111 or PHL 121 or PHL 131	_____	_____
IAI Literature Course	_____	_____
IAI Literature Electives: LIT 210, 230, 235, 264, 275, 280, 281, 284, 295		

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 282	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
PSY 132 or SOC 133	_____	_____
ECO 201 or ECO 202	_____	_____

IAI PHYSICAL/LIFE SCIENCES (2 COURSES)

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

	Sem.	Grade
BIO 101	_____	_____
PHY 155	_____	_____

Additional Associate in Science Degree Requirements

(Course should be applicable to desired major)

	Sem.	Grade
BIO 102	_____	_____
MAT 131	_____	_____

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 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.



Associate in Science Degree

Toward a Pre-Bachelor's Degree in Pre-Physical Therapy

Transfer Curriculum 000AS0087
Associate in Arts: 63 Hrs.
Major Code: 1.151199E
Effective Date: Fall 2018

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. 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. The additional courses may be taken as electives or upon transfer to the four year institution.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 111	_____	_____

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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 282	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
PSY 132	_____	_____
SOC 133	_____	_____

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.

	Sem.	Grade
BIO 101	_____	_____
PHY 155	_____	_____

Additional Associate in Science Degree requirements

(Courses should be applicable to desired major)

	Sem.	Grade
BIO 102	_____	_____
MAT 108	_____	_____

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits **must total a minimum of 63 hours** for the degree. Students should select elective hours that will allow them to complete this 63 hour requirement.) **Pre-requisite courses may be required before taking these electives. Consult with the Course Catalog and your advisor.**

Major Specific General Electives for B.S. degree.

	Sem.	Grade
CHM 151 or CHM 141	_____	_____
CHM 152 or CHM 142	_____	_____
BIO 105 or BIO 205	_____	_____
MAT 131	_____	_____
MAT 109	_____	_____
PHY 156	_____	_____
HIT 217	_____	_____
PSY 270	_____	_____

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 at SIUC. 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. Take MAT 108, 109, and 282. 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 (required by University of Evansville and Northwestern).

--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.



John A. Logan College

Associate in Science Degree

Toward a Pre-Bachelor's Degree in

Pre-Physician Assistant

Transfer Curriculum 000AS0087
Associate in Arts: 62 Hrs.
Major Code: 1.151102R
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295

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

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 282	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
PSY 132	_____	_____
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.

	Sem.	Grade
BIO 101	_____	_____
CHM 151	_____	_____

Additional Associate in Science Degree requirements

(Courses should be applicable to your intended major)

	Sem.	Grade
MAT Elective (3 to 5 credits)	_____	_____
BIO 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.**

	Sem.	Grade
HIT 217	_____	_____
BIO 206	_____	_____
Credits applicable to intended BS Degree		
Elective	_____	_____

ARTICULATION NOTES: Consult 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 grade 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.



John A. Logan College

Associate in Science Degree

Toward a Pre-Bachelor's Degree in
**Pre-Professional Dental,
 Medicine, Optometry, and
 Podiatry**

Transfer Curriculum 000AS0087
 Associate in Arts: 62 Hrs.
 Major Code: 1.1511199B
 Effective Date: Fall 2018

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.

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.**

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
ENG 101 or ENG 113 (C grade or higher)	_____	_____
ENG 102 (C grade or higher)	_____	_____
SPE 115 Speech	_____	_____

	Sem.	Grade
MAT 109	_____	_____
PHY 156	_____	_____
PSY 200	_____	_____
CHM 151	_____	_____
CHM 152	_____	_____
CHM 201	_____	_____
CHM 202	_____	_____

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.

	Sem.	Grade
Fine Arts Elective	_____	_____
PHL 121	_____	_____

- 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 210, 230, 235, 264, 280, 281, 284, 295
 Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 282	_____	_____

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 SOCIAL AND BEHAVIORAL SCIENCES (2 COURSES)

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

	Sem.	Grade
PSY 132	_____	_____
SOC 133	_____	_____

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.

IAI Physical/Life Sciences (2 courses)

One course must include a lab component.

	Sem.	Grade
BIO 101	_____	_____
PHY 155	_____	_____

--Take BIO 101 and 102. Take CHM 151, 152, 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.

Additional Associate in Science Degree requirements

(Course should be applicable to the desired major)

	Sem.	Grade
BIO 102	_____	_____
MAT 108	_____	_____

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.



Associate in Science Degree

Toward a Pre-Bachelor's Degree in Pre-Veterinary Medicine

Transfer Curriculum 000AS0087
Associate in Arts: 62 Hrs.
Major Code: 1.1511104B
Effective Date: Fall 2018

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. The additional courses may be taken as electives or upon transfer to the four year institution.

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 282 or Math Elective	_____	_____

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.

	Sem.	Grade
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.

	Sem.	Grade
BIO 101	_____	_____
PHY 155	_____	_____

Additional Associate in Science Degree requirements

(Courses should be applicable to desired major)

	Sem.	Grade
BIO 102	_____	_____
MAT 108	_____	_____

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.**

Major Specific General Electives for B.S. degree.

	Sem.	Grade
MAT 109	_____	_____
CHM 151	_____	_____
CHM 152	_____	_____
CHM 201	_____	_____
PHY 156	_____	_____

(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.



Associate in Arts Degree

Toward a Pre-Bachelor's Degree in Psychology

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs.
Major Code: 1.1420101A
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295

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

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 120 or 282	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)

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

	Sem.	Grade
PSC 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 credit hours and include a lab component.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225

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

Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151

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

Physical Science: PHS 102, 103, 105, 107

Physics: PHY 121, 155, 205

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>.

	Sem.	Grade
PSY 200-offered in spring only	_____	_____
PSY 270-offered in fall only	_____	_____
PSY 203 or Elective (PSY 203-offered in spring only)	_____	_____
PSY 262 or Elective	_____	_____
PSY 285 or Elective (PSY 285-offered in fall only)	_____	_____
Foreign Language (8)	_____	_____
MAT 108, 111, 113, or 131	_____	_____

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 course.

--A Parent Training Specialization is also offered under Psychology.

--SIUC Policy allows for the acceptance of up to 78 articulated credits to transfer into SIUC from JALC. These articulated credits should be applicable toward fulfilling the 120 credits required for the B.A. degree in Psychology.

SIUC TRANSFER INFORMATION: Offers both a B.A. and B.S. degree programs. Take PSY 132, 200 and 203 or 262. PHL121 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.



Associate in Applied Science

Toward a Degree in

Small Business Management

Career Curriculum BUS2006
 Minimum Hours: 60
 Major Code: 1.2 520201C
 Effective Date: Fall 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	110	Introduction to Business	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	113	Principles of Marketing I	3	_____
MKT	130	Sales I	3	_____
			15	

NOTES AND INFORMATION

Fall Only Courses:		Spring Only Courses:	
BUS 255	MKT 130	ACC 105	MKT 224
MKT 113		CIS 105	
		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)

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	3	_____
			15	

The Small Business Management AAS Degree (BUS 2006) is the parent program to:

- Business Management Certificate Program (BUS 2007)

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: 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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	222	Legal/Social Environment of Business	3	_____
BUS	235	Business Correspondence	3	_____
BUS	255	Customer Service	3	_____
CIS	207	Computer Applications for Business	3	_____
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	_____
			15	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	105	Payroll Accounting	3	_____
MGT	112	Principles of Management	3	_____
MGT	228	Small Business Management	3	_____
MKT	224	Advertising	3	_____
PSY	132	General Psychology	3	_____
			15	

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.



John A. Logan College

Associate in Arts Degree

Toward a Pre-Bachelor's Degree in Social Work

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hrs.
Major Code: 1.1440701A
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 120, 282, 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.

	Sem.	Grade
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.

	Sem.	Grade
BIO 100 or BIO 101	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
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 determine 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.

	Sem.	Grade
SOCW 275	_____	_____
SOC 133 or Elective	_____	_____
ANT 240 or Elective	_____	_____
Foreign Language or Electives	_____	_____
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 of admission into desired major. Prior to transfer, complete the Associate in Arts with as many of the posted courses required at your transfer institution.

SIUC TRANSFER INFORMATION: For the BSW degree under the College of Education and Human Resources, take ANT 240 (ANTHR 240A), BIO 100 or 101 (PLB 115), SOC 133 (SOC 108), PSC 131 (POLS 114), PSY 132 (PSYC 102), ECO 240 (ECON 113 or 114), SOCW 275 (SOCW 275). Take an introductory statistics course (MAT 120 or 282 or BUS 121). General Electives (21 credits) may be used to pursue a minor in a field related to Social Work.

SIUE TRANSFER INFORMATION: Take BIO 100 (BIOL 111), ENG 101 or 113 (ENG 101), PSY 132 (PSYC 111), SPE 115 (ACS 101), MAT 113 OR 131 (QR 101 or MATH 150), ANT 216 (ANTH 111B), ENG 102 (SNG 102), PHL 121 (RA 101), PSC 131 (POLS 112), HIS 202 (HIST 201), PSY 200 (PSYC 206), SPN, GER or FRE 101 (Foreign Language 101), and PHL 111 or 131 or 200 or 260 (PHIL BHUM course).

ISU TRANSFER INFORMATION: Take SOCW 275 (SWK 170), one Human-Biology BIO 100 or 101 (BSC 101), one statistics course-MAT 282 or 120 (ECO 138) or BUS 121 (MQM 100), one Sociology course- SOC 133 (SOC 108), two Psychology courses-PSY 132 (PSY 110), PSY 270 (PSY 350 or similar course), one Economics course-ECO 240 or 241 (microeconomics or macroeconomics equivalent), one Political Science course-PSC 131 (POL106) and SPN 201 or GER 201 or FRE 201 (an equivalent to LAN 115). To satisfy the AMALI (former Global Studies) degree requirement, select one course from ANT 111, 216, GEO 112, HIS 101,104, 213, HUM 120, PHL 200, 260, PSC 120, 212 or 213

For admission into the BSW, a minimum of 25 hours of pre-approved volunteer or paid work experience in a social agency within the last two years is required. A grade of "C" or better is required in all courses required for the major including pre-requisites.



Associate in Arts Degree

Toward a Pre-Bachelor's Degree in

Sociology

Transfer Curriculum 000AA0086
Associate in Arts: 64 Hrs.
Major Code: 1.1451101A
Effective Date: Fall 2018

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)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295

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

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 120, 116, 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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225

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

Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151

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

Physical Science: PHS 102, 103, 105, 107

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 determine 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.

	Sem.	Grade
SOC 215 or Elective	_____	_____
SOC 263 or Elective	_____	_____
SOC 264 or Elective	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

IAI SOCIOLOGY 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.



John A. Logan College

Associate in Arts Degree Toward a Bachelor's Degree in Special Education

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hrs. Min.
Major Code: 1.1 131001A
Effective Date: Fall 2018

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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 210, 230, 235, 264, 280, 281, 284, 295
Philosophy: PHL 111, 121, 131, 200, 260

IAI MATHEMATICS (1 COURSE)

	Sem.	Grade
MAT 209	_____	_____

IAI SOCIAL AND BEHAVIORAL SCIENCES (3 COURSES)

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

	Sem.	Grade
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.

	Sem.	Grade
SCI 210A or Physical Science Elective	_____	_____
SCI 210B or Life Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Life Science: SCI 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102,103,105,107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
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)	_____	_____
Elective	_____	_____
Elective	_____	_____
*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

ARTICULATION NOTES: Consult the transfer institution for specific 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](#):

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 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.



John A. Logan College

Associate in Arts Degree

Toward a Bachelor's Degree in

Speech

Transfer Curriculum 000AA0086
Associate in Arts: 62 Hrs. Min.
Major Code: 1.1090101A
Effective Date: Fall 2017

GENERAL EDUCATION (IAI GECC, 37-38 CREDITS)

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

IAI COMMUNICATIONS (3 COURSES)

	Sem.	Grade
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.

	Sem.	Grade
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)

	Sem.	Grade
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.

	Sem.	Grade
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.

	Sem.	Grade
Life Science Elective	_____	_____
Physical Science Elective	_____	_____

IAI Life Science Electives:

Biology: BIO 100, 101, 105, 225
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Geography: GEO 215

IAI Physical Science Electives:

Chemistry: CHM 141, 151
Interdisciplinary: PHS 101 with PHS 111, SCI 210A and SCI 210B
Physical Science: PHS 102, 103, 105, 107
Physics: PHY 121, 155, 205

MAJOR AND GENERAL ELECTIVE REQUIREMENTS (IAI GECC and major/elective credits must total a minimum of 62 hours, of which 24-25 must be general elective credits.)

Consult with the transfer institution to determine 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.

	Sem.	Grade
SPE 116	_____	_____
Foreign Language I or Elective	_____	_____
Foreign Language II or Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____
Elective	_____	_____

ARTICULATION NOTES: Consult the transfer institution for specific requirements.

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.



Certificate

Toward a Degree in

Surgical Technology

Career Curriculum ORT5199
 Minimum Hours: 38
 Major Code: 1.2 510909J
 Effective Date: Spring 2014

FIRST SEMESTER - FALL

Dept.	No.		Hrs.	Grade
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	3	_____
			16	

NOTES AND INFORMATION

*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.

SECOND SEMESTER - SPRING

Dept.	No.		Hrs.	Grade
STP	123	Surgical Procedures I	5	_____
BIO	226	General Microbiology ¹	4	_____
STP	125	Clinical Rotation in Surgical Technology I ²	5	_____
			14	

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:

https://www.jalc.edu/files/uploads/global/consumer_information/pdfs/gainful_employment/surgical_technology.pdf.

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

THIRD SEMESTER - SUMMER

Dept.	No.		Hrs.	Grade
STP	124	Surgical Procedures II	3	_____
STP	126	Clinical Rotation in Surgical Technology II	5	_____
			8	

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

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.



John A. Logan College

Associate in Applied Science

Toward a Degree in

Welding Technology

Career Curriculum WEL2010
Minimum Hours: 69
Major Code: 1.2 480508E
Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	2	_____
			17	

NOTES AND INFORMATION

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 33166

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	1	_____
			18	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
IDM	210	Hydraulics and Pneumatics	4	_____
MAC	200	Machine Tool Laboratory	4	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	_____
WEL	188	Welding Laboratory I	1	_____
WEL	189	Welding Laboratory II	1	_____
WEL	190	Welding Laboratory III	1	_____
WEL	191	Welding Laboratory IV	1	_____
WEL	195	Special Problems in Welding	2	_____
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
DRT	185	Computer Graphics I	2	_____
DRT	192	Blueprint Reading	3	_____
IAI Physical/Life Science or IAI Humanities/ Fine Arts Elective			3-5	_____
IAI Social and Behavioral Science Elective			3	_____
WEL	192	Introduction to Pipe Welding	1	_____
WEL	193	Pipe Welding	1	_____
WEL	194	Pipe Welding	2	_____
WEL	196	M.I.G. Welding Aluminum	1	_____
WEL	197	M.I.G. Welding Stainless Steel	1	_____
			17-19	



Certificate

Toward a Degree in

Welding Technology

Career Curriculum 00WEL0060
 Minimum Hours: 27
 Major Code: 1.2 480508T
 Effective Date: Fall 2012

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	2	_____
			14	

NOTES AND INFORMATION

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.
https://www.jalc.edu/files/uploads/global/consumer_information/pdfs/gainful_employment/welding_technology.pdf 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

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.

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	2	_____
			13	

Course Descriptions

All course descriptions are located on our website, for access click the following link [Course Descriptions](#).

Explanation of Course Descriptions

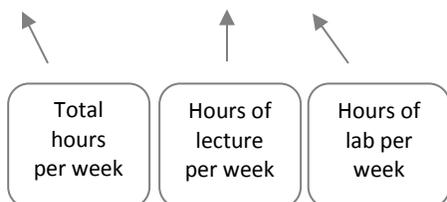
PHY 202 DYNAMICS ← **Course prefix, course number, and course name**

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.

6ADN 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 skill building course and is not used to calculate GPA at John A. Logan College. In addition, it will 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 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.

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

3hours 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 297 Photography II

3 Hours

Prerequisites: ART 296

4 hours weekly (2-2)

Photography II is a production art class that requires making and editing images on a DSLR with manual exposure capable settings during time outside of the classroom. The instructor will give specific photography assignments related to the chapters in the text. The class will also participate in a month-long project documenting communities in southern Illinois. Time management and self-discipline are crucial to be successful in the course. The student will be able to express themselves freely in the photographic medium and will be critiqued by the instructor and class on how he or she can improve technically and artistically. The

student will expand their ability to explain the composition, context and meaning of their personal work. There will be additional self-assigned projects throughout the semester. This course will also explore how photography has shaped culture, art and public opinion throughout the history of the medium.

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 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.

Business (BUS)

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-key pad 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 108 with Minimum Grade of : C

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: HIT 217 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 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 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.

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 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 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 for Business

IAI – BUS 902

3 Hours

Prerequisites: None

4 hours weekly (2-2)

This lecture and hands-on lab course will provide an overview of operating systems, file management techniques, Internet, email and computer conferencing software and apps, basic coding principles for web design, word processing, spreadsheets, database management and presentation 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 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: CIS 206 with Minimum Grade: C

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 or CIS 230 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 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.

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 110 Wood Frame Construction I

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 Wood Frame Construction II

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 207 Construction Administration

2 Hours

Prerequisites: CMG 105 and CMG 107

2 hours weekly (2-0)

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 (2-2)

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 Business Management

3 Hours

Prerequisites: CMG 105 and CMG 107

3 hours weekly (3-0)

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 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 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 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. Topics include number systems, sets, relations and functions, logic, Boolean algebra, elementary matrix operations, combinations, permutations,

counting techniques, and basic concepts of probability, graphs, and trees.

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 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 Academics Affairs

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.

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.

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 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 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.

Early Childhood Education (ECE)

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

3 hours weekly (3-0)

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 Child, Growth and Development

IAI – ECE 912

3 Hours

Prerequisites: None

3 hours weekly (3-0)

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 161 Early Childhood Practicum

1 Hour

Prerequisite: ECE 160, Minimum Grade: C or

Concurrent enrollment in ECE 160

2 hours weekly (0-2)

This course is designed to provide students with hands-on experience in working with young children. Students will engage in the practical application of child development knowledge and professional teaching practices with infants, toddlers and preschool children in the JALC Preschool or another approved early childhood facility. The student will work with young children three hours per week under the direct supervision of a qualified professional. The college instructor will coordinate the learning experience, including performance assessments.

ECE 171 Family Child Care Practicum

1 hour

Prerequisites: ECE 140, Minimum Grade: C

ECE 151, Minimum Grade: C

ECE 160, Minimum Grade: C

2 hours weekly (0-2)

In this course students will receive hands-on experience working with children in a home setting as well as a center based child care setting. Students will compare and contrast these two different child care settings. Students will engage in the practical application of child development knowledge and professional teaching practices with multi-age groups. The student will work with children two hours per week under the direct supervision of a qualified professional. The college instructor will coordinate the learning experience, including performance assessments. Fifty percent of this lab time must occur in a licensed family child care home and 50% of this lab time must occur in a licensed child care center. This course will fulfill the practicum experience requirements for the Illinois Gateways to Opportunity, Family Child Care Credential.

ECE 220 Infant Toddler Curriculum

3 Hours

Prerequisite: None

3 hours weekly (3-0)

This course is designed to provide students with the knowledge and skills for planning and implementing developmentally appropriate curriculum for children birth to three years. The importance of high quality infant toddler care environments will be discussed to include: room arrangement, activities and materials, daily routines, transactions, health and safety, promoting nurturing relationships and learning

through play. Emphasis will be placed upon meeting the needs of the whole child (physical, social, emotional, language and cognitive), assessment and documentation and developing positive relationships with diverse families.

ECE 245 The Exceptional Child

IAI-ECE 913

3 Hours

Prerequisites: PSY 132 and PSY 262

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 Child, Family & Community Relations

IAI-ECE 915

3 Hours

Prerequisites: None

3 hours weekly (3-0)

This course is designed to provide students with the knowledge and skills needed to work successfully with families and parent groups in individual, group, school and community settings. The focus will be on strengthening adult-child relationships and parent staff relationships in home, school and community. Settings. An awareness of strategies in developing positive and supportive relationships with families of young children

with special needs, including the legal and philosophical basis for family participation; family-centered services; and strategies for working with socially, culturally and linguistically diverse families will be included. Family involvement in early childhood programs and parent education will be stressed.

ECE 265 Early Childhood Curriculum

3 Hours

Prerequisites: None

5 hours weekly (3-0)

This course teaches the principles involved in planning, implementing and evaluating developmentally appropriate curriculum for young children. The course focuses on relationships among developmental theory, philosophy and reflective practice. Development of curriculum based on the individual needs and interests of young children and the analysis of a wide range of early childhood curriculum models is emphasized. Course content also includes writing lesson plans, classroom management, observing and documenting the child's progress and meeting Illinois Learning Standards.

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.

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; international economics and the world economy.

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 (0-6)

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

3 Hours

Prerequisites: None

5 hours weekly (2-3)

This course is designed primarily as an introduction to engineering design and graphics. Topics covered include: design problems, sketching, dimensioning, tolerancing, multi-view presentation, auxiliary views, sections views and working drawings. Students will design, build and present a project involving problem solving skills learned throughout the course.

Electronics (ELT)

6ELT 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 skill building course and is not used to calculate GPA at John A. Logan College. In addition, it will 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 150 Applied Solid State Electronics

3 Hours

Prerequisites: ELT 102

4 hours weekly (2-2)

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, thyristors, and operational amplifiers.

ELT 151 Applied Solid State Circuits

3 Hours

Prerequisites: ELT 150

4 hours weekly (2-2)

This course is designed to introduce the student to applied solid-state circuits. Topics include the AC analysis transistor amplifier. Op amps integrators and differentiators, and active filters. Students will use the theory learned in the classroom to design and construct circuits in the laboratory.

ELT 170 Biomedical Instrumentation I

3 Hours

Prerequisites: ELT 102 and ELT 111 both with a grade of "C" or higher

4 hours weekly (2-2)

This course is one of three courses in a sequence that covers 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 243 Renewable Energy Systems

3 Hours

Prerequisites: ELT 102 or HAC 102 with a minimum grade of "C"

4 hours weekly (2-2)

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 102 with a minimum grade of "C"

ELT 111 with a minimum grade of "C"

4 hours weekly (2-2)

This course is one of three in a sequence that covers biomedical instrumentation and regulations. This course covers laboratory, life support, portable, and therapeutic equipment.

ELT 270 Introduction to Smart Grid

3 Hours

Prerequisites: ELT 102 or HAC 102 with a minimum grade of "C"

4 hours weekly (2-2)

This course will explore smart grid technology 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 overview 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 I and 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

11.5 Hours

Prerequisites: EMT 111 or equivalent, ALH 101 or valid CPR-Healthcare Provider Card

13.5 hours weekly (10.5-3)

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

14.5 Hours

Prerequisites: EMS 250, ALH 101 or valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

22.5 hours weekly (10.5-12)

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

9 Hours

Prerequisites: EMS 250 and EMS 251, valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

13.5 hours weekly (6.5-7)

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

14 Hours

Prerequisites: EMS 250, EMS 251, EMS 252, valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

22 hours weekly (10-12)

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

12 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.

16 hours weekly (8-8)

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 055 Composition Literacy

3 Hours

Co-Requisite: Concurrent Enrollment in ENG 101

3 hours weekly (3-0)

Co-requisite sections of Composition Literacy enable 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. Additionally, students benefit from writing workshops and one-on-one teaching meant to promote successful completion of a concurrent section of ENG 101. Students must earn a grade of "C" or higher in both ENG 055 and ENG 101 to progress to ENG 102.

ENG 101 English Composition I

IAI – C1 900

3 Hours

Mandatory Testing: Prerequisite scores on Accuplacer Exam: Reading Comprehension 70 plus Sentence Skills 75 or higher OR combined score of 150 or higher.

OR

ACT score of 20 or higher in English and Reading

OR

SAT: Evidence-based reading and writing \geq 480

Prerequisites: **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

3 Hours

Prerequisite: 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.

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 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 (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 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 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 124I Humanities Field Experience

3 Hours

Prerequisite: Students enrolled in a study abroad program. (Contact the International Education Coordinator for more information.)

3 hours weekly (3-0)

This course develops an appreciation of a country's culture through a greater understanding of art, music, literature, philosophy, geography, history and other

cultural aspects. The travel component of the course synthesizes the topics studied and enhances knowledge of the new culture.

HUM 125I Irish Experience

3 Hours

Prerequisite: Students enrolled in a study abroad program. (Contact the International Education Coordinator for more information.)

3 hours weekly (3-0)

This course provides an introduction to Irish life and culture for international learners at Carlow College. Classroom discussions are integrated with guided and independent field trips to provide learners with both the tools to appreciate Irish culture and the opportunity to gain access to that culture during their semester in Ireland.

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

4 Hours

Prerequisites: IPP 111, 141 with a grade of "C" or higher

5 hours weekly (3-2)

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 249 Field Experience

3 Hours

Prerequisites: IPP 143--Minimum Grade of “C”
IPP 211--Minimum Grade of “C”
IPP 231--Minimum Grade of “C”

7 hours weekly (2-5)

This practicum will expose students to business practices in the field of interpreting, such as

taxes, invoicing and insurance. This course will also provide interpreting experiences, continued observation of working interpreters, exploration of the RID Code of Professional Conduct, and continued interaction with deaf and hard-of-hearing people. The students will participate in a two-hour seminar session per week and five hours of practicum per week.

IPP 250 Field Experience I

3 Hours

Prerequisites: IPP 143--Minimum Grade of “C”
IPP 211--Minimum Grade of “C”
IPP 231--Minimum Grade of “C”

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 meet with the instructor one hour per week to submit invoiced work hours and discuss any concerns or challenges experienced in the field. Students will also complete ten hours of practicum per week (160 hours).

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.

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.

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 210 British Literature

IAI H3 912

3 Hours

Prerequisite: ENG 101

3 hours weekly (3-0)

This is a survey and analysis of masterpieces of English literature from Beowulf to the present.

LIT 230 American Literature

IAI-H3 914

3 Hours

Prerequisite: None

3 hours weekly (3-0)

This course surveys the literature of the United States from its beginning to the present. Critical analysis will focus on the shaping of various American identities during early American history and how those identities have evolved within contemporary American life. Readings may include poetry, drama, essays, fiction, and literary criticism. All readings will be processed through writing assignments that emphasize critical thinking, creativity, and exposure to various rhetorical forms..

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 or MAT 056 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.

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 056 OR 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 056 OR 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. Topics include number systems, sets, relations and functions, logic, Boolean algebra, elementary matrix operations, combinations, permutations, counting techniques,

and basic concepts of probability, graphs, and trees. **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 and concepts of measurement (including the metric system). 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. This course will include statistical applications in business, nursing, education, social sciences, and STEM fields.

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 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, HIT 217, MDA 120, MDA 122, 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, HIT 217, MDA 120, MDA 122, 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, HIT 217, MDA 120, MDA 122, 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, HIT 217, MDA 120, MDA 122, 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

4 hours weekly (2-2)

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: None

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 Immunohematology

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 immunohematology 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: Consent of the Band Director

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

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

Prerequisites: Completion of MUS 121 and taken in sequence

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 the Coordinator/Production Director

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 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 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.

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.

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 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 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.

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). 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.

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 biological, 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 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 psychological 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

4 Hours

Prerequisites: None

5 hours weekly (3-2)

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.

SCI 215 Environmental Biology

IAI – L1 905

3 Hours

Prerequisites: None

3 hours weekly (3-0)

An introductory course on the study of man's relationship and dependency on the environment and natural resources. Emphasis will be primarily from biological perspectives, including: ecology, biodiversity, evolution, pollution, health and natural resource management. Current environmental issues will be studied to explore their personal and social impact on society.

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: THE 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.

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

Molly Alter, Instructor, Art

- B. F. A., Cleveland Institute of Art
- M. F. A., Southern Illinois University
- mollyalter@jalc.edu – Ext. 8234

Nathan D. Arnett, Associate Dean for Academic Affairs

- A. A., John A. Logan College
- B. M. E., Murray State University
- M. M., Southern Illinois University
- nathanarnett@jalc.edu – Ext. 8651

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

Cheryl Barrall, Instructor, Education

- A. S., Lincoln Trail Community College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- cherylbarrall@jalc.edu – Ext. 8285

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, IDHS CCAP 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

Nikki Borrenpohl, Professor, English

- B. A., Southern Illinois University
- M. A., Clemson University
- nikkiborrenpohl@jalc.edu – Ext 8024

Erin Bradley, Tutor (English/Reading)

- B. A., Southern Illinois University
- erinbradley@jalc.edu

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, Disability Support Services Coordinator, Student Success Center

- B. A., Southern Illinois University
- M. A., University of Illinois at Springfield
- nikkibrooks@jalc.edu – Ext.8516

Melissa Brown, CCRR Quality Specialist

- B. A., Ashford University
- melissabrown@jalc.edu – 618.985.5980, Ext. 1223

Jane Bryant, Professor, Political Science

- B. A., Southern Illinois University
- M. A., Southern Illinois University
- M. A., Arizona State 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, IDHS CCAP Case Manager

- A. A. S., John A. Logan College
- carlacampbell@jalc.edu – 618.985-5980 Ext. 1227

Teri Campbell, Basic Skills Tutor/Academic Advisor

- B. S., Southern Illinois University
- M. B. A., Southern Illinois University
- tericampbell@jalc.edu – Ext. 8409

Aaron Carter, Instructor, Heating and Air Conditioning

- A. A. S., John A. Logan College
- aaroncarter@jalc.edu – Ext. 8814

Thomas Chandler, Instructor, 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

David Cochran, Professor, History

- B. A., University of Missouri
- M. A., University of Missouri
- Ph.D., University of Missouri
- davidcochran@jalc.edu – Ext. 8689

Charles Coelho, Associate Director of Network Infrastructure

- B. S., Mid-Continent University
- M.B.A., Missouri Baptist 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, IDHS CCAP Case Manager

- B. S., Southern Illinois University
- revacox@jalc.edu – 618.985.5980, Ext. 1222
-

T.J. Cox, Assistant Men's Basketball Coach

- B. A., Covenant College
- tjcox@jalc.edu

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

Paul Crawford, Coordinator of Corporate Occupational Health & Safety Training

- B. S., Southern Illinois University
- paulcrawford@jalc.edu – Ext. 8444

Melvin Cripps, Coordinator of Technology Support

- High School Diploma
- melvincripps@jalc.edu – Ext. 8611

Nancy Jo Crowell, Associate Professor, Cosmetology

- B. S., Southern Illinois University
- Graduate study, Southern Illinois University
- nancyjocrowell@jalc.edu – Ext. 8242

Brad Cullum, Basic Skills Tutor (Mathematics)

- B. A., Blackburn College
- bradcullum@jalc.edu – Ext. 8306

Max Damron, Instructor, Welding

- 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, IDHS CCAP Case Manager

- B. S., Southern Illinois University
- jildeaton@jalc.edu – 618.985.5980, Ext. 1224

Cheryl DeNosky, Tutor (English/Reading)

- B. S., Southern Illinois University
- M. S., Southern Illinois University
- cheryldenosky@jalc.edu

Joseph Dethrow, Department Chair of Business, Computer Science and Mathematics, 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

Bonnie Dover, Pre-K Facilitator

- B. S., Southern Illinois University
- bonniedover@jalc.edu – Ext. 8246

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

David Evans, Instructor, English

- B. S., South Dakota State University
- M. F. A., University of Iowa
- M. S., Southern Illinois University
- davidevans@jalc.edu – Ext. 8317

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

Thomas Ferris, Men's Head Golf Coach

- B. S., Wichita State University
- tomferris@jalc.edu – Ext. 8438

Kay Fleming, Dean of Workforce Development and Adult Education

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- kayfleming@jalc.edu – Ext. 8417

Donna Ford, Associate Professor, 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

Hailly Fulk-Williams, Associate Director of Revenue

- A. S., John A. Logan College
- B. S., Southern Illinois University
- M. B. A., Missouri Baptist University
- haillyfulk-williams@jalc.edu – Ext. 8615

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 Associate Professor, English

- B. A., Eastern Illinois University
- M. S., Southern Illinois University
- mattgarrison@jalc.edu – Ext. 8387

Carey Gerber, Instructor, Nursing

- B. S., University of Southern Indiana
- M. S., University of Southern Indiana
- careygerber@jalc.edu – Ext. 8412

Travis Geske, Director of Network Infrastructure

- B. S., Southern Illinois University
- travisgeske@jalc.edu – Ext. 8670

Tim Gibson, Director of Building and Grounds

- B. S., Southern Illinois University
- timgibson@jalc.edu – Ext. 8109

Christina Gilroy, Project Services Coordinator

- B. S., Southern Illinois University
- M.Ed., North Carolina State University
- christinagilroy@jalc.edu – Ext. 8410

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

Tina Griffiths, Veteran's Affairs Specialist

- B. S., Southern Illinois University
- tinagriffiths@jalc.edu – Ext. 8385

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

Heather Hampson, Instructor, Nursing

- Certificate, John A. Logan College
- A. A. S., John A. Logan College
- B. S., University of Illinois at Urbana-Champaign
- B. S., McKendree University
- M. S., Southern Illinois University - Edwardsville
- heatherhampson@jalc.edu – Ext. 8411

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

Elizabeth Hartman, Reference Librarian

- B. A., Hanover College
- elizabethhartman@jalc.edu – Ext. 8404

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

Jordan Hicks, Coordinator of Testing Services

- A. A., Rend Lake College
- A. S., Rend Lake College
- B. S., Southwest Baptist University
- M. S., Southern Illinois University
- jordanhicks@jalc.edu – Ext. 8247

Joseph Hines, Coordinator of Recruitment

- B. S., Northeast Missouri State University
- joehines@jalc.edu – Ext. 8211

Lora Hines, Professor, 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
- Ph.D., Southern Illinois University
- ronhouse@jalc.edu – Ext. 8402

Pat Jackson, Director of Financial Assistance (temporary)

- 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 Chair, Allied Health and Public Service, and 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, Assistant Baseball Recruiting Coach

- B. S., Southern Illinois University
- pagekirkpatrick@jalc.edu – Ext. 8334

Perry Knop, Professor, Political Science

- B. A., Southern Illinois University
- M. A., Southern Illinois University
- J. D., Southern Illinois University
- perryknop@jalc.edu – Ext. 8353

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

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, 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

Christy Marrs, Director of Compensation and Benefit Services

- A. A. S., Rend Lake College
- B. S., Southern Illinois University
- christymarrs@jalc.edu – Ext. 8222

April Martinez, Director of Term Faculty Instruction

- B. S., Southern Illinois University
- M.S., Southern Illinois University
- aprilmartinez@jalc.edu – Ext. 8557

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

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

Lisa McCuan, CCRR Facilitator

- A. A., Southeastern Illinois College
- B. S., Indiana State University
- lisamccuan@jalc.edu – 618.985.5980, Ext. 1238

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

Robert McKenzie, Instructor, Chemistry

- A. A. S., Rend Lake College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- robertmckenzie@jalc.edu – Ext. 8454

Colleen McLaughlin, Director of Preschool

- B. A., Columbia College Chicago
- M. S., Southern Illinois University
- colleenmclaughlin@jalc.edu – Ext. 8241

Marie Meacham, IDHS CCAP 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

Jami McKena Miller, Assistant Women's Basketball Coach

- Certificate, John A. Logan College
- A. A., John A. Logan College
- jamimiller@jalc.edu

J. Patrick Morey, Assistant Baseball Coach

- B. A., Hastings College
- patrickmorey@jalc.edu – Ext. 8334

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

Elizabeth 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 Recruitment/Retention & Academic Advisor

- 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
- M.B.A., Missouri Baptist 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

Bart Pulliam, Instructor, Construction Management

- A. A. S., Southern Illinois University
- B. S., Southern Illinois University
- bartpulliam@jalc.edu – Ext. 8637

Chelsea Qualls, Associate Director of Scholarships

- B. S., Southern Illinois University
- chelseaqualls@jalc.edu – Ext. 8637

Krystal Reagan, Associate Dean of Education Technology

- 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

Brittany Roberts, Literacy Counselor/Facilitator

- B. S. Southern Illinois University
- brittanyroberts@jalc.edu – Ext. 8414

Mark Rogers, Associate 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

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

Katie Sandusky, Assistant Softball Coach

- A. A. S., John A. Logan College
- katisandusky@jalc.edu

Staci Shafer, Executive Director for John A. Logan College Foundation

- B. A., Southern Illinois University
- stacishafer@jalc.edu – Ext. 8472

Valarie Shaw, Instructor, Interpreter Preparation/ASL Deaf Studies

- B. A., Mac Murray College
- M. A., Southern Illinois University Edwardsville
- valarieshaw@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

Taylor Siefert, Advisor/Head Softball Coach

- B. S., Southern Illinois University
- taylorsiefert@jalc.edu – Ext. 8436

Gina Simpkins, Counselor/Facilitator for Adult Secondary Education

- B. A., Southern Illinois University
- ginasimpkins@jalc.edu – Ext. 8415

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, Business Analyst

- A. A. S., John A. Logan College
- B. S., Southern Illinois University
- M. B. A., Missouri Baptist University
- jasonsnider@jalc.edu – Ext. 8244

Greg Starrick, Athletic Director

- B. S., Southern Illinois University
- gregstarrick@jalc.edu – Ext. 8373

Beth Stephens, Director of Career Services & International Student 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, Associate Professor, 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

Brennan Stover, Instructor, Criminal Justice

- A. A., Kaskaskia College
- A. A. S., Kaskaskia College
- B. S., Southern Illinois University
- M. S., Lindenwood University
- brennanstover@jalc.edu – Ext. 8027

Jason Stutes, Instructor, Heating and Air Conditioning

- A. A. S., John A. Logan College
- B. S., Southern Illinois University
- jasonstutes@jalc.edu – Ext. 8251

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

Lauren Surprenant, Coordinator of Procurement Technical Assistance Center

- B. S., Winthrop University
- laurenurprenant@jalc.edu – Ext. 8571

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

Rachel Sveda-Webb, Coordinator of Student Financial Assistance (temporary)

- A. A., Rend Lake College
- A. S., Rend Lake College
- B. S., Southern Illinois University
- M. S., Southern Illinois University
- rachelsvedawebb@jalc.edu – Ext. 8693

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, 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

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

Nina Wargel, CCRR Coordinator of Quality Services

- B. S., University of Illinois
- ninawargel@jalc.edu – 618.985.5980, Ext. 1229

Jennifer Watkins, Associate Professor, Mathematics

- A. S., Paducah Community College
- B. S., Murray State University
- M. A., Murray State University
- jenniferwatkins@jalc.edu – Ext. 8460

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, Instructor, CIS

- A.A., Kaskaskia College
- B.S., Franklin University
- 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

Shannon Woodworth, Public Relations Specialist

- High School Diploma
- shannonwoodworth@jalc.edu – Ext. 8302

Kristin Yosanovich, Instructor, Nursing

- A. A. S., Kaskaskia College
- B. S., McKendree College
- M. S., University of Southern Indiana
- kristinyosanovich@jalc.edu – Ext. 8570

Crystal Young, Instructor, Certified Nursing Assistant

- A. A. S., John A. Logan College
- B. S., Southern Illinois University - Edwardsville
- crystalyoung@jalc.edu – Ext. 8105

Matt Yusko, Advisor/Counselor

- A. S., John A. Logan College
- A. A., John A. Logan College
- B. S., Murray State University
- M. S., Southern Illinois University
- Advanced graduate study, Oakland City University
- mattusko@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 Univeristy
- 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 Univeristy
- 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, Director of Records and Registration

Carrie Thomas, Administrative Assistant

Michelle McLaskey, Programming Assistant

Laurel Taylor, Director of Business Services

Continuing Education Area Community Coordinators

Michaelann Stanley
(Carterville, Crainville, Energy, Herrin)

Beth Porritt
(West Frankfort)

Delores Brown
(Carbondale, De Soto)

Jenna Griffith
(Marion)

Kim Neace
(Gorham, Jacob, Murphysboro)

Roger Von Lanken
(Ava, Du Quoin, Trico)