Architecture (ARC)

ARC 184 Architecture Documents I
4 Hours
Prerequisites: DRT 185 Computer Graphics I
6 hours weekly (2-4)
This course introduces the student to architectural drafting techniques. The student will learn how to develop plans for a residential building. Following are the key topics covered in class: site plan, floor plan, foundation plan, wall sections, elevations, electrical, and plumbing.

ARC 201 Strength of Materials
3 Hours
Prerequisites: None
3 hours weekly (3-0)
A study of forces, components, resultants and equilibrants, stress and strain in compression, tension and shear, modulus of elasticity, controls, moments of inertia and section modulus of sections, shearing stress and diagrams, bending moments, and diagrams in beams.

ARC 202 Presentation Drawings
3 Hours
Prerequisites: ARC 184 Architecture Documents I or GRD 110 Graphics Design I
4 hours weekly (2-2)
Study of design principles of presentation drawings related to the architectural field. The different types of presentation methods including elevations, floor plans, site plans, and sections will be discussed. The various types of common media will be explored. The three different types of perspective drawings will be discussed and evaluated as each relates to presentation drawings. Line types, color, and methods of shading will be used on projects.