ARCHITECTURAL ENGINEERING DRAWING & DESIGN

The purpose of these courses is to explore all aspects of drafting from basic fundamentals and basic construction to architectural drafting. Computer-aided design/drafting is utilized during all phases of drafting.

Course Name: Introduction to Engineering Drawing & Design
Course Number: 48.4410000
Description: Introduction to Engineering Drawing and Design is a foundation course that serves as an introduction to the drafting and design field and is a prerequisite to all other courses in the Architecture program. Emphasis is placed on safety, sketching, lettering, geometric construction, fundamentals of Computer-Aided Design, multi-view drawings and basic floor plan designs. The standards are aligned with the drafting and design standards in Georgia’s technical colleges. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Auto CAD 2010 and Inventor 2010 will be used in this class.

Course Name: Architectural Drawing and Design I
Course Number: 48.4450000
Description: Architectural Drawing and Design I introduces students to the basic terminology, concepts, and principles of architectural design. Emphasis is placed on house designs, floor plans, roof designs, elevations (interior and exterior), schedules, and foundations. The standards are aligned with the drafting and design standards in Georgia’s technical colleges. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Auto CAD 2010, Inventor 2010 and REVIT 2010 will be used in this class.

Course Name: Architectural Drawing and Design II
Course Number: 48.4460000
Description: Architectural Drawing and Design II is a course that builds on the skills developed in Architectural Drawing and Design I. Emphasis is placed on schedules, plumbing, heating and air, graphic presentations, plot/site plans, specifications, and building estimations. CAD tools and software are used extensively throughout the course. The standards are aligned with the drafting and design standards in Georgia’s technical colleges. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Auto CAD 2010, Inventor 2010 and REVIT 2010 will be used in this class.