## CURRICULUM

### First year

**First Semester (Fall 2006)**
- Freshman English I 3
- Intermediate Algebra 3
- Basic Drafting 4
- Introduction to CAD 4
- **Credit Hours**: 14

**Second Semester (Spring 2007)**
- Freshman English II OR Technical Communications 3
- Intermediate Drafting 4
- Civil Drafting 4
- GIS/GPS 3
- Social Science Elective 3
- **Credit Hours**: 17

**Summer (Optional)**
- Cooperative Work Experience 3

### Second Year

**First Semester (Fall 2007)**
- Introduction to Inventor 4
- Introduction to Solid Works 4
- Structural Drafting I 3
- Architectural Drafting I 3
- Introduction to Pro/Engineer 4
- **Credit Hours**: 18

**Second Semester (Spring 2008)**
- Structural Drafting II 3
- Architectural Drafting II 3
- Inventor II 4
- Pro-Engineer II 4
- Solid Works II 4
- **Credit Hours**: 18

**Total Credit Hours**: 67
WHAT IS COMPUTER AIDED DRAFTING & DESIGN?

CADD is a hands-on approach in teaching drafting using the computer and AutoCad Software. Emphasis is placed both on learning software manipulation and good basic drafting principles that business and industry is demanding of their employees.

- Use of the most current version of AutoCad to complete various types of drafting projects.

- Use of the most current version of Mechanical Desktop, Pro/Engineer, and Inventor to perform solid modeling.

- Use of the most current version of Architectural Desktop to complete a full set of house plans.

- Use of the most current version of Land Development Desktop to complete various civil drafting projects.

- Use of the most current version of structural software to complete various structural steel and concrete drafting projects.

WHAT CAN A GRADUATE EXPECT?

There are many job opportunities for CADD technicians in many different work environments, ranging from large national drafting firms to small family owned drafting firms.

The demand for these trained technicians exceeds the number of graduates.

One degree, many opportunities

- Mechanical Drafting
- Mechanical Design
- Solid Modeling
- Architectural Drafting
- Structural Drafting
- Civil Drafting
- GIS/Mapping
- Electronic Drafting

PROFESSIONAL CERTIFICATIONS

- The Associate of Applied Science in Computer Aided Drafting & Design is designed to prepare students to complete the nationally recognized Level I & Level II professional certifications from AutoDesk.

- During the most recent program review by the State Board of Higher Education, the Associate of Applied Science Degree in Computer Aided Drafting and Design was given an excellent rating, the highest given and one of the only three such ratings in the state.