

Engineering Graphics and Design Technology (AAS-DDT)

Program Location: Bay Minette Campus

Applied Technology Division

Length: Four Semesters

The Engineering Graphics and Design Technology program provides the technical training for students to interpret and produce engineering and architectural graphics and data. Visualization skills are developed to design and evaluate technical content. With the use of Computer—Aided-Design 3D Solid modeling software the student will gain the skills to design and convert complex virtual CAD models into physical products. The program prepares the student for a career in engineering, manufacturing, architecture, and construction where intelligent graphics, 3D Printing, Rapid Prototyping, Additive Manufacturing Technologies, and Direct Digital Manufacturing are required throughout the design process.

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study; therefore, it is not subject to the terms and conditions of Alabama Transfers state transfer and articulation reporting system.

Subject: **Applied Technology**

Type: A.A.S.

Semester One

Upon completion of Semester One, students are eligible for Design Basic Short-Term Certificate.

Item #	Title	Credits
CIS 146	Computer Applications	3
DDT 104	Basic Computer Aided Drafting and Design	3
DDT 111	Fundamentals of Drafting and Design Technology	3
DDT 124	Basic Technical Drawing	3
DDT 127	Intermediate Computer Aided Drafting and Design	3
	WKO 107 or ORI 101	1

Semester Two

Upon completion of Semester Two, students are eligible for 3-D Design Technology Short-Term Certificate.

Item #	Title	Credits
DDT 131	Machine Drafting Basics	3
DDT 132	Architectural Drafting	3
DDT 144	Basic 3D Modeling	3
DDT 214	Pipe Drafting	3
DDT 236	Design Project	3
	Engineering Graphics and Design Elective (AAS)	3-4

Semester Three

Upon completion of Semester Three, students are eligible for Intermediate 3-D Design Short-Term Certificate.

Item #	Title	Credits
	BUS 215 or OAD 133	3
DDT 117	Manufacturing Processes	3
DDT 225	Structural Steel Drafting	3
	Engineering Graphics and Design Elective (AAS)	3-4
	MTH 116 or MTH 100	3

Complete Graduation Application

Complete the graduation application and begin the process of a review of your degree plan before your final semester.

Semester Four

Item #	Title	Credits
ENG 101	English Composition I	3
	Engineering Graphics and Design Elective (AAS)	3-4
	History, Social Science, or Behavioral Science Elective	3
	Humanities and Fine Arts Elective (T)	3
	Total credits:	61-62