Drafting and Design Technology (AAS-DDT)

Program Location: Bay Minette Campus

Applied Technologies Division

Length: Four Semesters

The Drafting and Design/Additive Manufacturing 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 STARS.

Program: 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
ADM 101	Precision Measurement	3
ADM 106	Quality Control Concepts	3
DDT 104	Basic Computer Aided Drafting and Design	3
DDT 111	Fundamentals of Drafting and Design Technology	3
DDT 124	Basic Technicial Drawing	3
ORI 101	Orientation to College	1

Semester Two

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

Item #	Title	Credits
ADM 261	Reverse Engineering	3
DDT 117	Manufacturing Processes	3
DDT 127	Intermediate Computer Aided Drafting and Design	3
DDT 131	Machine Drafting Basics	3
DDT 132	Architectural Drafting	3
ENG 101	English Composition I	3

Semester Three

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

Item #	Title	Credits
DDT 212	Intermediate Architectural Drafting	3
DDT 231	Advanced CAD	3
DDT 232	CAD Customization	3
DDT 233	Three-Dimensional Modeling	3
DDT 236	Design Project	3
MTH 116	Mathematical Applications	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
	Computer Science, Math, or Natural Science Elective	3-4
	Computer Science, Math, or Natural Science Elective	3-4
	History, Social Science, or Behavioral Science Elective	3
	Humanities and Fine Arts Elective (T)	3
	SPH 106 or SPH 107	3
	Total credits:	**67-68**