

# Engineering Design Technology Certificate

**Advisor - Ayers Campus:** Hollie Bonds, Engineering Design Building (256.835.5453) [hbonds@gadsdenstate.edu](mailto:hbonds@gadsdenstate.edu)

**Note:** All computer aided design courses will utilize either AutoCad, Inventory, Revit or Solid Works Software. See course description.

**NOTICE(s):** For the certificate in Engineering Design Technology, the student must complete at least 46 credit hours—at least 40 in technical courses and at least 6 in general education courses—all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

The courses in this program of study may not be offered every semester. It is important to consult with your advisor to determine course schedules to stay on track to graduate.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

**This program is offered at the Ayers Campus only.**

## Area I – Written Composition

Item #	Title	Hours
ENG 101	English Composition I	3
	Sub-Total Credits	3

## Area III – Natural Sciences and Mathematics

Item #	Title	Hours
	MTH 100: Intermediate College Algebra OR numerically higher	3
	Sub-Total Credits	3

## Area V - Required Technical Courses

Item #	Title	Hours
DDT 104	Basic Computer Aided Drafting and Design	3
DDT 111	Fundamentals of Drafting and Design Technology	3
DDT 115	Blueprint Reading for Machinists	3
DDT 116	Blueprint Reading for Construction	3
DDT 124	Basic Technical Drawing	3
DDT 127	Intermediate Computer Aided Drafting and Design	3
DDT 128	Intermediate Technical Drawing	3
DDT 220	Advanced Technical Drawing	3
DDT 233	Intermediate 3D Modeling	3
EET 100	Introduction to Engineering Technologies	3
INT 104	Principles of Technology	3
ORI 101	Orientation to College	1
	Sub-Total Credits	34

## Additional Coursework:

Choose 6 credit hours from the following list:

Item #	Title	Hours
CIS 146	Microcomputer Applications	3
DDT 114	Industrial Blueprint Reading	3
DDT 117	Manufacturing Processes	3
DDT 131	Machine Drafting Basics	3
DDT 132	Architectural Drafting	3
DDT 133	Basic Surveying	3
DDT 181	Special Topics in Drafting and Design Technology	3
DDT 182	Special Topics in Drafting and Design Technology	3
DDT 211	Intermediate Machine Drafting	3
DDT 212	Intermediate Architectural Drafting	3
DDT 226	Technical Illustration	3
DDT 231	Advanced CAD	3
DDT 235	Specialized CAD	3
DDT 237	Current Topics in CAD	3
DDT 244	Advanced 3D Modeling	3
DDT 286	Co-Op	1
DDT 288	Co-Op	2
DDT 291	Co-Op	3
SPH 106	Fundamentals of Oral Communication	3
	Sub-Total Credits	54
	<b>Total Credits</b>	<b>46</b>