



Mechanical Design Technology Certificate

Advisor – East Broad Campus: James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

| | STUDENT PROGRESS | |
|---|-------------------------|-----------------------|
| | <u>Grade</u> | <u>Term Completed</u> |
| Area I–Written Composition: 3 | | |
| • ENG 101 - English Composition I 3 | _____ | _____ |
| Area II–Humanities and Fine Arts: 0 | | |
| Area III–Natural Science or Mathematics: 3 | | |
| • MTH 100 - Intermediate College Algebra OR numerically higher..... 3 | _____ | _____ |
| Area IV—History, Social and Behavioral Sciences: 0 | | |
| Area V–Technical Courses: 40 | | |
| • * MDT 100 - Engineering Blueprints..... 3 | _____ | _____ |
| • * CET 101 - Introduction to Engineering Technology 3 | _____ | _____ |
| • CIS 146 - Microcomputer Applications..... 3 | _____ | _____ |
| • * MDT 105 - Introduction to Computer-Aided Design (CAD).... 3 | _____ | _____ |
| • * MDT 111 - Mechanical Drawing 3 | _____ | _____ |
| • MDT 122 - Architectural Drawing..... 3 | _____ | _____ |
| • * MDT 146 - AutoCAD CADD 3 | _____ | _____ |
| • * MDT 147 - Inventor CADD 3 | _____ | _____ |
| • MDT 202 - SOLID WORKS CADD..... 3 | _____ | _____ |
| • * MDT 211 - Advanced Mechanical Drawings..... 3 | _____ | _____ |
| • MDT 221 - Machine Design 3 | _____ | _____ |
| • MDT 261 - HVAC and Pipe Systems Design 3 | _____ | _____ |
| • MDT 271 - Structural and Weld Design 3 | _____ | _____ |
| • MDT 272 - Electrical and Electronic Design..... 3 | _____ | _____ |
| • * ORI 101 - Orientation to College 1 | _____ | _____ |
| • SPH 106 - Fundamentals of Oral Communication 3 | _____ | _____ |
| • Approved Area V Elective 3 | _____ | _____ |

***Required Courses**

Total Hours Required for Certificate: 46

NOTICE(s): For the certificate in Civil Engineering Technology, Mechanical Design Technology Specialty, 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 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 East Broad Campus only.**