

Mechanical Design Technology Certificate

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		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		
• * CET 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 Electives	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.**