

ARCHITECTURAL AND ENGINEERING DESIGN TECHNOLOGY

Program Overview

Students in the Architectural and Engineering Design certificate program learn the skills needed for a career in Computer Aided Design (CAD). CAD technicians with the requisite technical knowledge, visual talent and organizational skills can expect to find work in such diverse

fields as mechanical/architectural design, civil engineering, surveying, commercial art and interior design.

The MCC certificate program serves students seeking to enter the drafting and design field as well as those looking to develop their skills and advance in their career.

Requirements for Architectural and Engineering Design Certificate

Curriculum: OCC 171	Credit Hours		
Program Core	9	(3) AET 151 Computer Aided Design Graphics I (3) AET 152 Computer Aided Design Graphics II	(3) AET 251 Design Visualization
Engineering Technology Specialization Option	12-13	(6) AET 299 Independent Study In Design Technology (3) IMT 104 Blueprint Reading for Manufacturing	(3) IMT 103 Materials of Industry or (4) EGR 151 Engineering Graphics
Architectural Technology Specialization Option	12	(6) AET 299 Independent Study In Design Technology (3) AET 165 BIM Navisworks I	(3) IMT 299 Independent Study in Manufacturing
Program Electives 3 credit hours	3	(3) ART 156 Drawing I (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 153 Computer Aided Design Graphics III	(3) AET 158 Geometric Tolerancing (3) AET 241 Interior Design II (3) DGM 200 3D Modeling and Animation I (3) HRT 161 Landscape Design
Total Certificate Credits	24 – 25		

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, *all* required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of Intent to Graduate form

**For more information, contact the department chair:
(815) 479-7521.**