

BUILDING INFORMATION MODELING AND COMPUTER AIDED DRAFTING & DESIGN (BIM-CADD) C.A.S

The BIM-CADD program offers graduates a pathway into professional careers as technicians in civil, mechanical, and architectural drafting. Other career opportunities exist in construction project management, construction support, geographic information systems, mapping, surveying, and technical design. This one-year program prepares students in mathematics, business, writing, and basic construction design, as well as the most current relevant building information modeling and drafting software programs.

General Certificate Requirements

Additional requirements for graduation can be found on the Degree/Certificate Requirements for Graduation page (<https://catalog.umt.edu/academics/graduation-requirements/>).

Unless otherwise noted in individual program requirements, a minimum grade point average of 2.00 in all work attempted at the University of Montana-Missoula is required for graduation. Please see the Academic Policies and Procedures page (<https://catalog.umt.edu/academics/policies-procedures/>) for information on how your GPA is calculated.

Courses taken to satisfy the requirements of a major, minor, or certificate program must be completed with a grade of C- or better unless a higher grade is noted in the program requirements.

Certificate of Applied Science - Building Information Modeling and Computer Aided Drafting and Design (BIM-CADD)

Course Requirements

Code	Title	Hours
Complete all of the following courses:		
BGEN 105S	Introduction to Business	3
CSCI 105	Computer Fluency	3
CSCI 172	Intro to Computer Modeling	3
DDSN 113A	Technical Drafting	3
DDSN 114	Introduction to CAD	3
DDSN 116	3D CAD	3
DDSN 244	GIS Mapping	3
DDSN 245	Civil Drafting	4
M 105	Contemporary Mathematics	3-4
or M 115	Probability and Linear Mathematics	
or M 121	College Algebra	
SRVY 230	Intro to Surveying for Engineers	3
WRIT 101	College Writing I	3
or WRIT 121	Introduction to Technical Writing	
Total Hours		34-35

One Year Plan

Course	Title	Hours
First Year		
Autumn		
CSCI 150	Introduction to Computer Science	3
DDSN 113A	Technical Drafting	3
DDSN 114	Introduction to CAD	3
DDSN 166	Revit I	3
M 121	College Algebra	3-4
or M 115	or Probability and Linear Mathematics	
Hours		15-16
Spring		
BGEN 105S	Introduction to Business	3
CSCI 172	Intro to Computer Modeling	3
DDSN 244	GIS Mapping	3
DDSN 245	Civil Drafting	4
SRVY 230	Intro to Surveying for Engineers	3
WRIT 101	College Writing I	3-4
or WRIT 121	or Introduction to Technical Writing	
Hours		19-20
Total Hours		34-36

Last Updated Fall 2025