

# SUSTAINABLE CONSTRUCTION TECHNOLOGY A.A.S.

This two-year Associate of Applied Science course of study is designed to prepare students for a wide range of building industry career paths. Students will get hands-on training in various job-site skills, including safety training as well as instruction and practice in entry-level skills, including site preparation and layout, concrete forming and placement, residential framing, roofing, siding, and window installation. Students pursuing a certification in Green Building or Construction Management can apply those credits toward this degree.

Additionally, students will be exposed to basic job-site control practices, scheduling, estimating, and the major guiding principles of green building and sustainable construction. Working on an actual on-site modular home, students completing the program will have experience and exposure to all aspects of residential construction, including foundations, framing, roofing, siding, insulation, drywall, cabinetry, floor finishes, and the process of basic project management.

## General Associate Degree 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 an associate degree program must be completed with a grade of C- or better unless a higher grade is noted in the program requirements.

## Associate of Applied Science - Sustainable Construction Technology Course Requirements

Code	Title	Hours
<b>Complete all of the following courses:</b>		
BGEN 215 or BGEN 105S	Career Readiness Introduction to Business	3
COMX 102	Interpersonal Skills in the Workplace	1
CSTN 120	Carpentry Basics & Rough-In Framing	5
CSTN 122	Beginning Carpentry Lab	5
CSTN 142	Interior & Exterior Finish Carpentry	4
CSTN 143	Intermediate Carpentry Lab	4
CSTN 171	Site Prep, Foundation, and Concrete Installation	3
CSTN 261	Building Management	4
CSTN 282	Green Building Concept & Design I	4
CSTN 298	SCT Internship	3
DDSN 114	Introduction to CAD	3

or DDSN 166	Revit I	
M 105	Contemporary Mathematics (or higher)	3
OSH 130	Introduction to Trades and Trade Safety/ Job Site Ready	3
WRIT 101	College Writing I	3
<b>Electives - Complete 15 credits of the following courses:</b>		<b>15</b>
ACTG 101	Accounting Procedures I	
BGEN 160S	Issues in Sustainability	
COMX 111A	Introduction to Public Speaking	
COMX 115S	Introduction to Interpersonal Communication	
CSTN 205	Advanced Carpentry Lecture	
CSTN 206	Advanced Carpentry Lab	
CSTN 283	Green Building Concept & Design II	
CSTN 286	Advanced Wood Buildings	
CSTN 291	Special Topics	
CSTN 295	Practicum	
CSTN 299	Capstone: Carpentry	
DDSN 191	Special Topics	
DDSN 244	GIS Mapping	
DDSN 245	Civil Drafting	
HEO 191	Special Topics	
SRVY 230	Intro to Surveying for Engineers	
THTR 102A	Introduction to Theatre Design	
THTR 106	Theatre Production I: Run Crew	
THTR 107A	Theatre Production I: Construction Crew	
THTR 202	Stagecraft I	
WLDG 103	Welding Fundamentals of Construction Trades	
WLDG 145	Fabrication Basics	

**Total Hours** **63**

## Two Year Plan

Course	Title	Hours
<b>First Year</b>		
<b>Autumn</b>		
CSTN 120	Carpentry Basics & Rough-In Framing <sup>1</sup>	5
CSTN 122	Beginning Carpentry Lab <sup>1</sup>	5
CSTN 171	Site Prep, Foundation, and Concrete Installation <sup>2</sup>	3
DDSN 114 or DDSN 166	Introduction to CAD or Revit I	3
OSH 130	Introduction to Trades and Trade Safety/Job Site Ready	3
<b>Hours</b>		<b>19</b>
<b>Spring</b>		
COMX 102	Interpersonal Skills in the Workplace <sup>5</sup>	1
CSTN 142	Interior & Exterior Finish Carpentry <sup>4</sup>	4
CSTN 143	Intermediate Carpentry Lab <sup>4</sup>	4
Elective		
M 105	Contemporary Mathematics	3-4
WRIT 101	College Writing I	3-4
<b>Hours</b>		<b>15-17</b>
<b>Second Year</b>		
<b>Autumn</b>		
CSTN 261	Building Management <sup>5</sup>	4
CSTN 282	Green Building Concept & Design I <sup>4</sup>	4

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CSTN 291	Special Topics <sup>4</sup>	3
CSTN 298	SCT Internship	3
CSTN 299	Capstone: Carpentry <sup>5</sup>	2
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
BGEN 215 or BGEN 105S	Career Readiness or Introduction to Business	3
CSTN 205	Advanced Carpentry Lecture <sup>5</sup>	6
CSTN 206	Advanced Carpentry Lab <sup>5</sup>	2
Elective		
Elective		
Elective		
<b>Hours</b>		<b>11</b>
<b>Total Hours</b>		<b>61-63</b>

<sup>1</sup> Weeks 6-16

<sup>2</sup> Weeks 2-5

<sup>3</sup> Week 1

<sup>4</sup> Weeks 9-16

<sup>5</sup> Weeks 1-8

*Last Updated Fall 2025*