



DEGREE: Associate of Applied Science

CONCENTRATION: Sustainable Construction

Student ID (790):

Student Name:

Advisor Name:

Credits Required: 63

FALL SEMESTER

COURSE NUMBER	COURSE TITLE	CREDITS	GRADE	NOTES
OSH 130	Industrial safety & Certification	3		Week 1
CSTN 171	Site Prep, Foundations, & Concrete	3		Weeks 2 - 5
CSTN 120	Carpentry Basics & Rough-In Framing	5		Weeks 6 - 16
CSTN 122	Beginning Carpentry Lab	5		Weeks 6 - 16
DDSN 114	Intro to CAD	3		Full Semester - Weeks 1 - 16
	TOTAL CREDITS	19		

SPRING SEMESTER

COURSE NUMBER	COURSE TITLE	CREDITS	GRADE	NOTES
COMX 102	Interpersonal Skills in the Workplace	1		Weeks 1 - 8
WRIT 101	College Writing I	3		Weeks 1 - 8
M 105	Contemporary Mathematics	3		Weeks 1 - 8
CSTN 142	Interior & Exterior Finish Carpentry	4		Weeks 9 - 16
CSTN 143	Interior & Exterior Finish Carpentry	4		Weeks 9 - 16
	Elective - see options below			
	TOTAL CREDITS	15+		

FALL SEMESTER

COURSE NUMBER	COURSE TITLE	CREDITS	GRADE	NOTES
CSTN 261	Building Project Management	4		Weeks 1 - 8
CSTN 299	Carpentry Capstone Lab	2		Weeks 1 - 8
CSTN 282	Green Building Concepts & Design	4		Weeks 9 - 16
CSTN 291	Special Topics: Interior Finishes	3		Weeks 9 - 16
CSTN 298	SCT Internship	3		Variable with schedule
	Elective - see options below			
	TOTAL CREDITS	16+		

SPRING SEMESTER

COURSE NUMBER	COURSE TITLE	CREDITS	GRADE	NOTES
CSTN 205	Advanced Carpentry Lecture	6		Weeks 1 - 8
CSTN 206	Advanced Carpentry Lab	2		Weeks 1 - 8
	Elective - see options below			
	Elective - see options below			
	Elective - see options below			
	TOTAL CREDITS	8+		

Sustainable Construction Students are required to take 18 credits of electives from the list below

COURSE NUMBER	COURSE TITLE	CREDITS	GRADE	NOTES
CSTN 147	Blueprint Reading	3		
CSTN 191-01	Introduction to Woodworking	1		Fall and Spring
CSTN 191- 02	Joinery	1		Fall and Spring
CSTN 191-03	Woodworking II - Adv. Woodworking	3		Fall and Spring
CSTN 250	Construction Estimating	3		Fall
CSTN 191-04	Construction Estimating & Scheduling	3		
CSTN 283	Green Building Concepts & Design II	3		Spring
CSTN 286	Advanced Wood Building	1-3		Spring
CSTN 295	Green Building Practicum	1-6		Fall, Spring, and Summer
CSTN 298	SCT Internship - Optional	2		Fall, Spring, and Summer
CSTN 299	Carpentry Capstone Lab	3		Fall and Spring
COMX 111	Intro to Public Speaking	3		Fall, Spring, and Summer
WLDG 103	Welding Fundamentals for Construction Trades	4		Fall and Spring
WLDG 145	Welding Fabrication Basics	3		Fall
BGEN 105S	Intro to Business	3		
BGEN 160S	Issues in Sustainability	1		Online
HEO 191	Basic Safety and Controls	3		Spring
DDSN 166	Revit I	3		Fall
DDSN 244	GIS Mapping	4		Co-Req (must be taken at same time) GPHY 284 - Lecture & Lab
DDSN 245	Civil Drafting	3		
SRVY 230	Intro to Survey for Engineers	3		
THTR 102A	Intro to Theatre Design	3		
THTR 106	Theatre Production: Run Crew	1		Could take 2x
THTR 107	Theatre Production: Construction	3		
THTR 202	Stagecraft	3		

PROGRAM INFORMATION

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.

CAREER INFORMATION

The industrial trades and construction industry averages \$26 per hour in jobs ranging from \$42 an hour for construction managers to \$18 for construction laborers. Jobs include careers like carpenters, construction trade supervisors, extraction workers, equipment operators, masons, general contractors, and more. The trades industry is predicted to be in the top 5 fastest growing careers in the state of Montana over the next 10 years. Jobs in this industry are considered good, living wages jobs, with median annual earnings around \$52,000.

