

Certificate in Construction Trades Green Technology

Program Outcomes

Upon completion of this certificate, students will have a solid foundation in “green” technologies and practices related to construction. The curriculum is aligned with national competency standards and trade-specific skills as designated by the Michigan Residential Builder, Maintenance and Alteration Contractor license and local apprenticeship training programs. Students will develop the understanding and skills to build, inspect, and repair structures. Students will learn to effectively utilize trade-specific tools and equipment, learn how to read blueprints and plans, and develop the ability to manage projects while controlling costs.

Employment Opportunities or Additional Educational Options

With this certificate, students can prepare to gain successful employment in the construction industry. Students are encouraged to earn the associate degree for a more thorough learning in the field which could enhance job opportunities and provide greater longevity in the industry. This program is not intended for transfer to other four-year institutions.

To Learn More About This Program

Contact Larry Wilson at 269-783-2966 or lwilson05@swmich.edu.

Certificate Requirements

To earn this certificate, students must have an overall GPA of 2.0 or higher, fulfill the course requirements of the program listed below, and complete a minimum of 28 credit hours. Each prerequisite course and the internship must be completed with a minimum grade of “C.”

Certificate Courses

Course ID	Course	Credits
EDUC 120	Educational Exploration and Planning	1 credit
BUSI 200	Small Business Management	3 credits
BUSI 240	Professionalism Workshop	1 credit
CONS 114	Intermediate Construction Practices	8 credits
CONS 115	Construction Math	2 credits
CONS 117	Print Reading for Construction Trades	2 credits
CONS 130	Interior and Exterior Finishes	3 credits
CONS 135	Electrical and Mechanical Systems	3 credits
CONS 140	Quantity and Cost Estimating	3 credits
CONS 145	Administration and Scheduling	3 credits
CONS 255	Internship	3 credits
ISYS 110	Intro to Computer Technology	3 credits

Total Program Credits: 35

Additional Notes About the Certificate in Construction Trades Green Technology Program

- A prerequisite course may be needed prior to enrollment in some courses within this program. Specific prerequisite requirements are listed in the Course Description section in the Course Catalog. A summary of the prerequisites are listed below in the Example Course Sequence.
- Course taken out of sequence may delay a student's ability to complete the program in a timely manner. Please consult your advisor regularly.
- Students in this certificate program routinely continue into the A.A.S. in Construction Trades Green Technology program.
- Students in the A.A.S. in Construction Trades Green Technology program complete this certificate automatically as a condition of fulfilling their A.A.S. degree.
- Each student should submit a graduation application at least one full semester before he/she plans to graduate.
- This program is subject to change. Students should consult with their advisor for program updates.

Example Course Sequence

The following is a sample of a semester-by-semester approach to completing this program.

FIRST SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
EDUC 120 Educational Exploration and Planning	1 credit	ENGL 115 or test score (concurrent enrollment allowed)
BUSI 200 Small Business Management	3 credits	ENGL 115 or test score (concurrent enrollment allowed)
BUSI 240 Professionalism Workshop	1 credit	None
CONS 114 Intermediate Construction Practices	8 credits	ENGL 115 or test score (concurrent enrollment allowed)
CONS 117 Print Reading for Construction Trades	2 credits	None
ISYS 110 Introduction to Computer Technology	3 credits	None

SECOND SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
CONS 115 Construction Math	2 credits	MATH 098 or test score
CONS 130 Interior and Exterior Finishes	3 credits	None
CONS 135 Electrical and Mechanical Systems	3 credits	None
CONS 140 Quantity and Cost Estimating	3 credits	ISYS 110
CONS 145 Administration and Scheduling	3 credits	None
CONS 255 Internship	3 credits	Minimum "C" grade in all first-semester Construction Trades Technology courses