

Certificate in Construction Trades Green Technology

Program Overview

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.

To Learn More About This Program

Contact John Tinker at 269-783-2966 or jtinker01@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 21 credit hours. Each prerequisite course must be completed with a minimum grade of C.

Course Offerings

Courses within this program may be offered on-site at our Dowagiac or Niles campus.

Certificate Courses

| Course ID | Course | Credits |
|-----------|---------------------------------------|-----------|
| CONS 113 | Trade Mathematics-Construction | 3 credits |
| CONS 114 | Intermediate Construction Practices | 8 credits |
| CONS 117 | Print Reading for Construction Trades | 2 credits |
| CONS 131 | Exterior Finishes | 3 credits |
| CONS 140 | Quantity and Cost Estimating | 3 credits |
| CONS 145 | Administration and Scheduling | 3 credits |
| ISYS 110 | Intro to Computer Technology | 3 credits |

Total Program Credits: 25

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 is listed below in the Example Course Sequence.
- Courses 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 they plan 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) |
|--|-----------|---|
| CONS 114 Intermediate Construction Practices | 8 credits | None |
| ISYS 110 Introduction to Computer Technology | 3 credits | None |

SECOND SEMESTER

| Courses | Credits | Prerequisites (Minimum Grade of C Required) |
|--|-----------|---|
| CONS 113 Trade Mathematics-Construction | 3 credits | None |
| CONS 117 Print Reading for Construction Trades | 2 credits | None |
| CONS 131 Exterior Finishes | 3 credits | None |
| CONS 140 Quantity and Cost Estimating | 3 credits | ISYS 110 |
| CONS 145 Administration and Scheduling | 3 credits | None |