



Mechanical Engineering Pathway

Associate in Science, Pre-Engineering Science Transfer

Catalog Year 2022-23

Washtenaw Community College (WCC) has collaborated with several colleges and universities to provide a transfer pathway for WCC students seeking a bachelor's degree in Mechanical Engineering. The full Mechanical Engineering MiTransfer Pathway agreement can be found on the [Michigan Transfer Network website](#).

Participating Universities

Adrian College, Andrews University, Central Michigan University, Eastern Michigan, Ferris State, Kettering University, Lawrence Tech. University, Michigan Tech. University, Northern Michigan University, Oakland University, Saginaw Valley State University, University of Detroit Mercy, UM-Dearborn, UM-Flint, Western Michigan University

Earning an Associate Degree

WCC students must complete all of the following course and degree requirements to earn an associate degree. **Regular meetings with an advisor are strongly recommended to stay on track for graduation.** Please contact our advising center at 734-677-5102 if you need assistance or visit: wccnet.edu/advising.

Degree Requirements

To complete the Associate in Science degree and the Michigan Transfer Agreement (MTA) General Education Requirements, these credits should be met according to the following distribution:

- **English Composition:** [ENG 111: Composition I](#) (4 credits)
- **Second Course in English Composition or One course in Communication:** [ENG 226: English Comp. II](#)
- **Mathematics:** Choose from the MTA approved list. [MTH 191](#) is recommended
- **Natural Sciences:** Two courses from the MTA approved list. [PHY 211](#) and [CEM 111](#) are recommended
- **Social Sciences:** Two courses, in two different disciplines, from the MTA approved list
- **Humanities and Fine Arts:** Two courses, in two different disciplines, from the MTA approved list.

The MTA approved list is located in the WCC Catalog or visit: wccnet.edu/mta

Major Courses (31 Credits)

The following courses are common transferable courses to Mechanical Engineering programs. Click on the courses to see how they transfer.

- [MTH 191: Calculus I](#) (5 credits) (MTA)
- [MTH 192: Calculus II](#) (4 credits)
- [MTH 293: Calculus III](#) (4 credits)
- [MTH 295: Differential Equations](#) (4 credits)
- [PHY 211 Analytical Physics I](#) (5 credits) (MTA)
- [PHY 222 Analytical Physics II](#) (5 credits)
- [CEM 111 General Chemistry I](#) (4 credits) (MTA)

Remaining Associate Degree Requirements

- [CEM 122 General Chemistry II](#) (4 credits)
- [CPS 141](#) or [CPS 171](#) (4 credits)
- [COM 101 Fundamentals of Speaking](#) (3 credits)
- Additional electives as needed to earn the **61 credits required for an Associate in Science Degree.**