



Mechanical Engineering Pathway

Catalog Year 2021-2022

Associate in Science, General Studies in Math and Natural Sciences (ASGSMS)

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

Andrews University, Central Michigan University, Eastern Michigan University, Ferris State University, 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](#) or any approved Communication (COM) course (3 credits)
- **Mathematics:** Choose from the MTA approved list. [MTH 191](#) is recommended
- **Natural Sciences:** Two courses, in two different disciplines, from the MTA approved list. [PHY 111](#) 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 (29 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) (MTA)
- [MTH 293: Calculus III](#) (4 credits) (MTA)
- [MTH 295: Differential Equations](#) (4 credits) (MTA)
- [PHY 111: General Physics I](#) (4 credits) (MTA)
- [PHY 122: General Physics II](#) (4 credits) (MTA)
- [CEM 111 General Chemistry I](#) (4 credits) (MTA)

Remaining Associate Degree Requirements

- Additional Electives as needed to earn the **60 credits required for an Associate in Science Degree.**