

# 2024-25 ACADEMIC PROGRAMS

## PRE-ENGINEERING SCIENCE TRANSFER (ASPET)

### Associate in Science

This program addresses the increasing need of students pursuing STEM fields, specifically engineering. Students in this program will have their coursework pre-planned with specific courses laying the groundwork for successful transfer to a four year engineering program.

*"I wanted to get a degree in nuclear engineering at U of M. Veterans Office recommended going to WCC," JT Iacovatta*

This is a **high demand, high skill** and **high wage** program as defined by the [Michigan Community College Network](#).

#### Description

This program addresses the increasing need of students pursuing STEM fields, specifically engineering. Students in this program will have their coursework pre-planned with specific courses laying the groundwork for successful transfer to a four year engineering program.

#### Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <https://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

#### Admissions Requirements

- Students below Math Level 7 will need to take prerequisite courses.
- Students may need additional prerequisite coursework for CEM and PHY courses.

#### Course Requirements

##### First Semester

Class	Title	Minimum Credits
CEM 111	General Chemistry I	4
ENG 111	Composition I	4
MTH 191	Calculus I*	5
Elective	Soc. Sci. 1 Elective(s)	3
Total		16

##### Second Semester

Class	Title	Minimum Credits
CEM 122	General Chemistry II	4
ENG 226	Composition II	3
MTH 192	Calculus II	4
Elective	Arts/Human. 1 Elective(s)	3
Total		14

##### Third Semester

Class	Title	Minimum Credits
CPS 141 or CPS 171	Introduction to Programming Using Python Introduction to Programming with C++	4
PHY 211	Analytical Physics I	5
Elective	Soc. Sci. 2 Elective(s)	3
Elective	Restricted Math Elective 1**	4
Total		16

##### Fourth Semester

Class	Title	Minimum Credits
COM 101	Fundamentals of Speaking	3
PHY 222	Analytical Physics II	5
Elective	Arts/Human. 2 Elective(s)	3
Elective	Restricted Math Elective 2**	4
Total		15

**Total Credits Required: 61**

#### Footnotes

\*Students below Math Level 7 will need to take prerequisite courses.

\*\*Math restricted elective select two from: MTH 197, MTH 293, MTH 295.

Accurate as of 07/12/2024 Information is subject to change without notice.