

PRE-ENGINEERING SCIENCE TRANSFER (AS)

Restricted Math Elective 2 ²	4
Credits	15
Total Credits	61

Catalog Effective Term: Fall 2024

Program Code: ASPET

Credential: 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.

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: <http://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Program Admission Requirements

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

Minimum Credits Required for the Program: 60

Course	Title	Credits
First Semester		
CEM 111	General Chemistry I	4
ENG 111	Composition I	4
MTH 191	Calculus I ¹	5
Soc. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci)		3
Credits		16
Second Semester		
CEM 122	General Chemistry II	4
ENG 226	Composition II	3
MTH 192	Calculus II	4
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma)		3
Credits		14
Third Semester		
CPS 141 or CPS 171	Introduction to Programming Using Python or Introduction to Programming with C++	4
PHY 211	Analytical Physics I	5
Soc. Sci. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci)		3
Restricted Math Elective 1 ²		4
Credits		16
Fourth Semester		
COM 101	Fundamentals of Speaking	3
PHY 222	Analytical Physics II	5
Arts/Human. Elective(s) (https://coursecatalog.wccnet.edu/academics/general-education/#arthuma)		3

¹ Students below Math Level 7 will need to take prerequisite courses.

² Select two: MTH 197 Linear Algebra, MTH 293 Calculus III, MTH 295 Differential Equations.