

# PRE-ENGINEERING SCIENCE TRANSFER (AS)

Restricted Math Elective 2 <sup>2</sup>	4
<b>Credits</b>	<b>15</b>
<b>Total Credits</b>	<b>61</b>

**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
<b>First Semester</b>		
CEM 111	General Chemistry I	4
ENG 111	Composition I	4
MTH 191	Calculus I <sup>1</sup>	5
Soc. Sci. Elective(s) ( <a href="https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci">https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci</a> )		3
<b>Credits</b>		<b>16</b>
<b>Second Semester</b>		
CEM 122	General Chemistry II	4
ENG 226	Composition II	3
MTH 192	Calculus II	4
Arts/Human. Elective(s) ( <a href="https://coursecatalog.wccnet.edu/academics/general-education/#arthuma">https://coursecatalog.wccnet.edu/academics/general-education/#arthuma</a> )		3
<b>Credits</b>		<b>14</b>
<b>Third Semester</b>		
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) ( <a href="https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci">https://coursecatalog.wccnet.edu/academics/general-education/#socbehavsci</a> )		3
Restricted Math Elective 1 <sup>2</sup>		4
<b>Credits</b>		<b>16</b>
<b>Fourth Semester</b>		
COM 101	Fundamentals of Speaking	3
PHY 222	Analytical Physics II	5
Arts/Human. Elective(s) ( <a href="https://coursecatalog.wccnet.edu/academics/general-education/#arthuma">https://coursecatalog.wccnet.edu/academics/general-education/#arthuma</a> )		3

<sup>1</sup> Students below Math Level 7 will need to take prerequisite courses.

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