

Pre-Engineering Certificate

General Program Information: 410-287-1000 or information@cecil.edu

This certificate provides a basis for further study in various engineering fields. The Pre-Engineering Certificate provides a course of study designed to meet the needs of students who plan to study and transfer to a college or a university that grants Associate or Baccalaureate Degrees in a variety of engineering programs.

	<i>General Education and Program Requirements</i>	<i>General Education Code</i>	<i>Credits</i>
ARTS/HUM	Elective	H	3
CHM 103	General Chemistry I	S	3
CHM 113	General Chemistry I lab		1
EGL 101	College Composition	E	3
Select 2: MAT 121 MAT 201 MAT 202	Precalculus OR Calculus I with Analytic Geometry OR Calculus II with Analytic Geometry	M	8
PHY 217	General Calculus Physics I with lab	SL	4
PHY 218	General Calculus Physics II with lab	SL	4
SOC SCI	Behavioral and Social Science Electives	SS	6

Total Credits **32**

Upon successful completion of this certificate, students will be able to:

- Demonstrate the entry level knowledge of math, physics, chemistry, and communication skills and abilities associated with many disciplines within the field of engineering. See specific courses as listed above for Student Learning Outcomes.