

# ASSOCIATE OF SCIENCE IN PRE-ENGINEERING

Course	Title	Credits
<b>Writing, Speaking, Wellness, and Physical Activity Competencies: 11-13 credits</b>		
ENGLISH 1130 or ENGLISH 1040	College Writing I Studio College Writing I	3-4
ENGLISH 1230	College Writing II	3
SPEECH 1060	Speech Communication for Professionals	3
HHP 1000 or HHP 1650	Fitness Assessment and Management Fitness for Life	1-2
HHP Activity Course		1
<b>World Languages Requirement: 0-4 credits <sup>1</sup></b>		<b>0-4</b>
<b>Humanities, Fine Arts, and Historical Perspectives Requirement: 9 credits</b>		
Humanities ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#humanitiestext">http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#humanitiestext</a> )	Three-Credit Course	3
Fine Arts ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#fineartstext">http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#fineartstext</a> )	Three-Credit Course	3
History ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#historicalperspectivestext">http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#historicalperspectivestext</a> )	Three-Credit Course	3
<b>Social Sciences: 6 credits</b>		
Social Sci ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#socialsciencetext">http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#socialsciencetext</a> )	Three-Credit Course	3
Social Sci ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#socialsciencetext">http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#socialsciencetext</a> )	Three-Credit Course	3
<b>Global Studies/Ethnic Studies/Gender Studies: 3-9 credits</b>		<b>3-9</b>
Global Studies ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#globalstudiestext">http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#globalstudiestext</a> )	Variable	
Ethnic Studies ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#ethnicstudiestext">http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#ethnicstudiestext</a> )	Variable	
Gender Studies ( <a href="http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#genderstudiestext">http://catalog.uwplatt.edu/undergraduate/degree-requirements/general-education-courses/#genderstudiestext</a> )	Variable	
<b>Pre-Engineering Core Courses: 21-25 credits</b>		
CHEMISTRY 1150 & CHEMISTRY 1240 or CHEMISTRY 1450	General Chemistry I with Math Development and General Chemistry II Chemistry for Engineers	5-9

MATH 2640	Calculus and Analytic Geometry I	4
MATH 2740	Calculus and Analytic Geometry II	4
PHYSICS 2240	General Physics I	4
GENENG 1030	Introduction to Engineering Projects	1
GENENG 2130	Engineering Mechanics-Statics	3
<b>Pre-Engineering Electives: Minimum 6 credits. Choose from the table below. Pre-Engineering Core plus Electives must total at least 32 credits and a minimum 2.0 gpa.<sup>2</sup></b>		<b>6-11</b>
<b>Total Credits<sup>3</sup></b>		<b>62-73</b>

<sup>1</sup> World Languages may be satisfied with 1 year High School world language with a C or better average or 1-2 semesters college level world language with a C or better (4 credits total).

<sup>2</sup> Electives are required to reach the 62 credit minimum required for degree completion.

<sup>3</sup> Courses may not be available at all campuses and/or in all modalities (i.e., in person, online, hybrid, etc.).

## TABLE OF ALLOWED PRE-ENGINEERING ELECTIVES

Choose a minimum of 6 credits from the table below. Pre-Engineering Core + Electives must total at least 32 credits.

Course	Title	Credits
GENENG 1320	Engineering Computer Graphics <sup>1,2,4,5,6</sup>	2
GENENG 1500	Fundamentals of Engineering Analysis Tools	3
GENENG 2030	Engineering Modeling and Design <sup>1,6</sup>	3
GENENG 2820	Engineering Economy <sup>1,2,3,4,5</sup>	2
ELECTENG 1210	Circuit Modeling I <sup>3,6,8</sup>	3
COMPUTER 1430	Introduction to Computer Programming <sup>3,6,7,8</sup>	3
GEOLOGY 1140	Physical Geology <sup>2</sup>	4

<sup>1</sup> This elective is useful for students considering Mechanical Engineering.

<sup>2</sup> This elective is useful for students considering Civil Engineering.

<sup>3</sup> This elective is useful for students considering Electrical Engineering.

<sup>4</sup> This elective is useful for students considering Industrial and Systems Engineering.

<sup>5</sup> This elective is useful for students considering Environmental Engineering.

<sup>6</sup> This elective is useful for students considering Engineering Physics.

<sup>7</sup> This elective is useful for students considering Software Engineering.

<sup>8</sup> This elective is useful for students considering Computer Engineering.