

# Associate in Science

## Pre-Engineering

### Biomedical Engineering

#### Year 1

1st Semester			Credit	Contact	√
CHEM	110	General Chemistry I	5	7	
CSCI	121	C++ Programming I	3	3	
ENGL	101	Rhetoric and Composition	3	3	
MATH	141	Analytical Geometry and Calculus I	5	5	
Total Hours:			16	18	

2nd Semester			Credit	Contact	√
CHEM	112	General Chemistry II	5	7	
ENGL	145	Technical and Report Writing	3	3	
MATH	142	Analytical Geometry and Calculus II	5	5	
PHYS	205	Engineering Physics I	5	6	
Total Hours:			18	21	

#### Year 2

3rd Semester			Credit	Contact	√
BIOL	213	Anatomy and Physiology I	4	5	
HUMN	003	Humanities Elective 3 Credit	3	3	
MATH	243	Analytical Geometry and Calc III	5	5	
PHYS	206	Engineering Physics II	5	6	
SBS	003	Social Behavioral Science Elective	3	3	
Total Hours:			20	22	

4th Semester			Credit	Contact	√
BIOL	214	Anatomy and Physiology II	4	5	
HUMN	003	Humanities Elective 3 Credit	3	3	
MATH	244	Differential Equations	3	3	
MATH	250	Introduction to Linear Algebra	3	3	
PSYC	201	Introduction to Psychology	3	3	
Total Hours:			16	17	

<b>Program Total:</b>	<b>70</b>	<b>78</b>
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Recommended Humanities Electives: ANTH 201, COMM 201, HIST 101 or 102, SPAN 101.

Recommended Social Science Electives: ANTH 201, ECON 131, ECON 132, HIST 211 or 212, POLI 111, SOCY 151.

This map is intended to be used in conjunction with your academic advisor.