

# Engineering

## Emphasis of Study



### Associate in Science (Total Credit Hours – 64)

FOUNDATION STUDIES					
<b>Written Communications</b>					
<input type="checkbox"/>	ENGL	1204	English Composition I	3	
<input type="checkbox"/>	ENGL	1206	English Composition II	3	
<b>Oral Communications</b>					
<input type="checkbox"/>	COMM	1200	Interpersonal Communication	OR	3
<input type="checkbox"/>	COMM	1230	Public Speaking		
<b>College-level Mathematics</b>					
<input type="checkbox"/>	MATH		College-level Mathematics	3	
<b>Computer Literacy</b>					
<input type="checkbox"/>	BSTC	1036	Computer Concepts & Applications	OR	3
			equivalent		
<b>TOTAL</b>				<b>15</b>	

HUMANITIES				
3 credits from 2 of the 3 subject areas				
At least 3 credits from "breadth" courses				
<b>Fine Arts</b>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>Language Arts</b>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>Philosophy / History / Religion</b>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>TOTAL</b>				<b>6</b>

SOCIAL and BEHAVIORAL SCIENCES				
3 credits from 2 of the 3 subject areas				
At least 3 credits from the "breadth" courses				
<b>Social Science</b>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>Behavioral Science</b>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>Economics / Political Science</b>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>TOTAL</b>				<b>6</b>

NATURAL SCIENCE and MATHEMATICS				
At least one 5-credit lab science course				
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>TOTAL</b>				<b>10</b>

PHYSICAL EDUCATION, HEALTH, and PERFORMANCE				
Only one credit from Performance course allowed				
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>TOTAL</b>				<b>2</b>

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### REQUIREMENTS for EMPHASIS:

EMPHASIS REQUIREMENTS				
<input type="checkbox"/>	CHEM	1806	College Chemistry I	5
<input type="checkbox"/>	MATH	1832	Analytic Geometry and Calculus I	5
<input type="checkbox"/>	MATH	1834	Analytic Geometry and Calculus II	5
<input type="checkbox"/>	MATH	1836	Analytic Geometry and Calculus III	3
<input type="checkbox"/>	PHYS	1604	Engineering Physics I	5
<input type="checkbox"/>	PHYS	1606	Engineering Physics II	5
<input type="checkbox"/>				
<b>TOTAL</b>				<b>25</b>

EMPHASIS ELECTIVES				
<input type="checkbox"/>	CHEM	1808	College Chemistry II	5
<input type="checkbox"/>	LIFE	1402	Principles of Biology	5
<input type="checkbox"/>	MATH	1838	Differential Equations	3
<input type="checkbox"/>	PRGM	1025	C Programming	3
<input type="checkbox"/>	PRGM	1010	Java Programming	3
<input type="checkbox"/>	PHSC	1402	Geology	3
<input type="checkbox"/>	PHSC	1403	Geology Lab	2
<input type="checkbox"/>				
<b>TOTAL</b>				

OTHER ELECTIVES				
<input type="checkbox"/>				
<b>TOTAL</b>				

Review Date: 03/13

Revision Date: 04/11

Student Name: \_\_\_\_\_ ID#: \_\_\_\_\_

Placement Scores: English \_\_\_\_\_ Math \_\_\_\_\_ Reading \_\_\_\_\_

[www.bartonccc.edu](http://www.bartonccc.edu)

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