

# 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 <b>OR</b>	3
<input type="checkbox"/>	ENGL 1209	English Composition I w/Review	
<input type="checkbox"/>	ENGL 1206	English Composition II	3
<b>Oral Communications</b>			
<input type="checkbox"/>	COMM 1200	Interpersonal Communication <b>OR</b>	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	3
<b>TOTAL</b>			<b>15</b>

HUMANITIES			
3 credits from 2 of the 3 subject areas <a href="#">See General Education List and Advisor for Transfer Information</a>			
<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 <a href="#">See General Education List and Advisor for Transfer Information</a>			
<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 <a href="#">See General Education List and Advisor for Transfer Information</a>			
<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"/>	MATH 1832	Analytic Geometry and Calculus I	5
<input type="checkbox"/>	MATH 1834	Analytic Geometry and Calculus II	5
<input type="checkbox"/>	PHYS 1606	Engineering Physics II	5
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<b>TOTAL</b>			<b>15</b>

EMPHASIS ELECTIVES			
<input type="checkbox"/>		<a href="#">See Advisor for recommended coursework</a>	
<input type="checkbox"/>	CHEM 1806	College Chemistry I	5
<input type="checkbox"/>	CHEM 1808	College Chemistry II	5
<input type="checkbox"/>	LIFE 1402	Principles of Biology	5
<input type="checkbox"/>	MATH 1836	Analytic Geometry and Calculus III	3
<input type="checkbox"/>	PRGM 1037	Computer Science I	3
<input type="checkbox"/>	PRGM 1010	Java Programming	3
<input type="checkbox"/>	PHSC 1402	Geology	3
<input type="checkbox"/>	PHSC 1403	Geology Lab	2
<b>TOTAL</b>			<b>10</b>

Review Date.10/18  
Effective Date.11/17

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

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

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

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