

Course	Credits	Credits Taken?	When?
<b>MATH</b>			
MATH 101	3		
MATH 102	3		
MATH 211	3		
MATH 212	3		
MATH 381	3		
CAAM 336	3		
<b>Credits needed</b>	<b>15</b>		

Choose 1 of 2

Course	Credits	Credits Taken?	When?
<b>PHYSICS</b>			
PHYS 111 (101)	3(3)		
PHYS 112 (102)	4(4)		
<b>Credits needed</b>	<b>7</b>		

Course	Credits	Credits Taken?	When?
<b>CHEMISTRY</b>			
CHEM 121 (151)	4 (4)		
CHEM 122 (152)	4 (4)		
CHEM 211	3		
CHEM 217 (215)	1 (2)		
CHEM 212	3		
CHEM 310	3		
CHEM 330	3		
CHEM 360	3		
<b>Credits needed</b>	<b>18</b>		

Choose 2 of 4

Course	Credits	Credits Taken?	When?
<b>CHBE CORE</b>			
CHBE 301	3		
CHBE 303	1		
CHBE 305	3		
CHBE 310	3		
CHBE 343	3		
CHBE 390	3		
CHBE 401	3		
CHBE 402	3		
CHBE 411	3		
CHBE 412	3		
CHBE 403	4		
CHBE 404	4		
CHBE 443	2		
CHBE 470	3		
<b>Credits needed</b>	<b>41</b>		

Course	Credits	Credits Taken?	When?
<b>OTHER ENGINEERING</b>			
MECH 211	3		
<b>Credits needed</b>	<b>3</b>		

<b>BSChE Degree Requirements</b>			
	<b>Breadth</b>		<b>Focus</b>
Math	15		15
Physics	7		7
Chemistry	18		18
ChBE Core	41		41
Other Engineering	3		3
Concentration	12		15
Free Electives	12		9
Distribution	24		24
<b>TOTAL</b>	<b>132</b>		<b>132</b>

Course	Credits	Credits Taken?	When?
<b>ENGINEERING BREADTH</b>			
<i>Basic Science</i>			
	3		
<i>Elective from Discipline 1</i>			
	3		
<i>Elective from Discipline 2</i>			
	3		
<i>Elective from Discipline 3</i>			
	3		
<b>Credits Needed</b>	<b>12</b>		

Course	Credits	Credits Taken?	When?
<b>ENVIRONMENTAL ENGINEERING</b>			
CEVE 310	3		
CEVE 434	3		
<i>CEVE electives</i>			
	3		
	3		
	3		
<b>Credits Needed</b>	<b>15</b>		

Course	Credits	Credits Taken?	When?
<b>BIOTECHNOLOGY/BIOENGINEERING</b>			
BIOC 201	3		
BIOC 301	3		
<i>BIOE Electives</i>			
	3		
	3		
	3		
<b>Credits Needed</b>	<b>15</b>		

Course	Credits	Credits Taken?	When?
<b>MATERIALS</b>			
MSCI 301	3		
MSCI 402	3		
MSCI 406	3		
<i>Elective 1</i>			
	3		
<i>Elective 2</i>			
	3		
<b>Credits Needed</b>	<b>15</b>		

Course	Credits	Credits Taken?	When?
<b>COMPUTATIONAL ENGINEERING</b>			
CAAM 335	3		
CAAM 353	3		
CAAM 420	3		
<i>CAAM Electives</i>			
	3		
	3		
<b>Credits Needed</b>	<b>15</b>		

**NOTE:**  
 Approved elective courses for the engineering breadth and concentration options can be found on our web site:  
[http://www.ruf.rice.edu/~che//undergraduate/bs\\_degree\\_requirements.html](http://www.ruf.rice.edu/~che//undergraduate/bs_degree_requirements.html)

**Red Text:** More than one option available