



### Specified Math, Science, and Engineering Courses

Introductory Engineering					
Sem	Course	Cr	Grade	QP	Note
	EGR 105 (A4)	1			
	EGR 106 (A4)	2			
		3			

Mathematics					
Sem	Course	Cr	Grade	QP	Note
	MTH 141 (A1 & B3)	4			
	MTH 142 (B3)	4			
	MTH 243	3			
	MTH 244	3			
		14			

Natural Sciences					
Sem	Course	Cr	Grade	QP	Note
	CHM 101 (A1)	3			
	CHM 102	1			
	PHY 203 (A1)	3			
	PHY 273 (A1)	1			
	PHY 204 (A1)	3			
	PHY 274 (A1)	1			
	PHY 205 (A1 & B3)	3			
	PHY 275 (A1 & B3)	1			
		16			

Oceanography					
Sem	Course	Cr	Grade	QP	Note
	OCG 451	3			

Engineering Science and Design (Major)					
Sem	Course	Cr	Grade	QP	Note
	CHE 333	3			
	CVE 220	3			
	MCE 262	3			
	MCE 263	3			
	MCE 354	3			
	OCE 101	1			
	OCE 205	4			
	OCE 206	4			
	OCE 301	4			
	OCE 310	3			
	OCE 311	4			
	OCE 408	4			
	OCE 416	2			
	OCE 421	3			
	OCE 471	4			
	OCE 495*** [capstone]	3			
	OCE 496*** [capstone]	3			
		54			

**Professional Elective					
Sem	Course	Cr	Grade	QP	Note
		3			
		3			
		3			
		3			
		3			
		15			

**\*General Education Outcomes:** at least 40 credits must be completed. (A1-D1) must be met by at least three credits. A single course may satisfy one or two outcomes, and at least one course must be a "Grand Challenge". No more than twelve credits can be from the same course code except HPR. General education courses may also be used to meet requirements of your major(s) or minor(s) when appropriate.

**\*\*Professional Electives:** Any 300-, 400-, or 500-level courses in engineering, MTH, PHY, or OCG. A **minimum of two (2)** electives must be in OCE.

**\*\*\*OCE 495 and OCE 496:** An *approved* off-campus experience, usually between the junior and senior years, can be substituted for OCE 495 and OCE 496.

Spanish Language Requirements (min. 30 credits)				
Sem	Course	Cr	Gr	QP
	SPA ____	3		
	SPA ____	3		
	SPA 316	3		
	SPA 317	3		
	SPA 321	3		
	SPA 325	3		
	SPA 412	3		
	SPA 4__	3		
	SPA 4__	3		
	SPA 4__	3		

SPA 101, 102, 391, 392, and 393 cannot be counted towards the Spanish major and SPA 321 may only count toward the major for students in the IEP or IBP.

SPA 412 and 421 will not fulfill any of the 9 credits required that are above the 400-level, but may count toward any of the remaining credits required for the major.

LIN 202 and 220 may be used towards major requirements

The IEP requires SPA 316, 317, 321, 325, 412 and (3) 400-level Spanish Literature courses. IEP students that are beginning Spanish at the 200-level may use up to 6 credits of Portuguese toward the major, as long as all other requirements are met.

Students may opt to take summer or Jterm classes to advance in their Spanish skills at a faster pace

General Education Outcome Audit		
	Course	Credit
<b>Knowledge</b>		
A1. STEM	CHM & PHY (see above)	11
A2. Social & Behavioral Sciences	ECN 201	3
A3. Humanities	SPA 205/206 (suggested)	3
A4. Arts & Design	EGR 105 & 106	3
<b>Competences</b>		
B1. Write Effectively		
B2. Communicate Effectively	OCE 496	
B3. Mathematical, statistical, or computational strategies	MTH (see above)	11
B4. Information literacy		
<b>Responsibilities</b>		
C1. Civic knowledge & responsibilities		
C2. Global responsibilities	SPA 205/206 (suggested)	3
C3. Diversity and Inclusion		
<b>Inegrate &amp; Apply</b>		
D1. Ability to synthesize	OCE 496	3
<b>Grand Challenge</b>		
G. Check that at least one course of your 40 credits is an approved "G" course		
Total General Education Outcome Credits		40