

# 2011-2012 Pre-Engineering Course Plan

8/16/11

<u>Freshman - Fall Semester</u>				<u>Freshman - Spring Semester</u>			
MATH	1513	*	College Algebra	MATH	2825		Calculus I
MATH	1713		Trigonometry		---	*	Sociology or Psychology
ENG	1113	*	Freshman Composition I	ENG	1213	*	Freshman Composition II
	---	*	Humanities-Western Civilization	CHEM	1114	*	General Chemistry I with lab
UNIV	1001	*	Freshman Seminar				
COMM	1113	*	Fundamentals of Speech				
	<b>16</b>		<b>Total hours</b>		<b>15</b>		<b>Total hours</b>
<u>Sophomore - Fall Semester</u>				<u>Sophomore - Spring Semester</u>			
PHYS	2115		Engineering Physics I with lab	PHYS	2225		Engineering Physics II with lab
MATH	3025		Calculus II	MATH	3033		Calculus III
CHEM	1214		General Chemistry II with lab	CMPSC	1113	*	Computer Programming I
ENG	3183		Technical and Professional Writing	PS	1113	*	U. S. Government
				MATH	4113		Differential Equations
	<b>17</b>		<b>Total hours</b>		<b>17</b>		<b>Total hours</b>

We believe these courses will count at most engineering colleges. **It is the responsibility of the student to check the website or catalog of the college they plan to attend to be certain these will transfer.** These will also count toward a physics degree should the student decide to complete a degree at ECU.

Some types of engineering do not require General Chemistry II. It is still a good idea to take it.

Students requiring remediation will normally take one to two semesters longer to complete the program.

We strongly recommend students complete their Calculus I, II, and III sequence and their Engineering Physics I and II sequences at ECU. If they take only part of a sequence they may be required to repeat the entire sequence at the engineering college where they transfer.

\* General Education Requirement