

PRE-ENGINEERING (0044)
Science/Mathematics Division
RECOMMENDED COURSES FOR TRANSFER
ASSOCIATE OF SCIENCE DEGREE PROGRAMS

Area A

Essential Skills - 9 hours

ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1151	Calculus I with Geometry	4

Area B

Institutional Options - 4 hours

See Core Curriculum, Area B.	4
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Area C

Humanities/Fine Arts - 6 hours

Literature Course	See Core Curriculum, Area C, Humanities/Fine Arts.	3
COMM 1110	Public Speaking (or COMM 1000 or COMM 1100)*	3

Area D

Science, Math and Technology - 11 hours

Science Requirements		
PHYS 2211K and	Principles of Physics I and	
PHYS 2212K	Principles of Physics II	8
Math/Technology Requirement		
MATH 2252	Calculus II	4

Area E

Social Science - 12 hours

HIST 1111 or	Survey of World History I or	
HIST 1112	Survey of World History II	3
HIST 2111 or	U.S. History Through 1877 or	
HIST 2112	U.S. History After 1877	3
POLS 1101	American Government in World Perspective	3
Elective	See Core Curriculum, Area E, Social/Science courses.	3

Area F

Courses Related to the Major - 18 hours

Major Requirements		
CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4
MATH 2253	Calculus III	4
Major Electives		
CSCI 1371	Computing for Engineering	3
ENGR 1111	Engineering Graphics	3
ENGR 2201	Engineering Statics and Dynamics	4

Area G

Physical Education – (3 courses)**

4-6

Two-Year Total

66-68

*Critical Thinking Overlay-All Students must satisfy the critical thinking overlay. This requirement must be fulfilled by satisfactory completion of one of the following courses. This competency is usually satisfied in Area B or C.

- COMM 1000 Cultural Diversity in Communication
- COMM 1100 Human Communications
- COMM 1110 Public Speaking

****See AREA G of the Core Curriculum for fitness competency requirement.**

Depending on your enrollment status, you may be required to take DART 1000, "First Year Experience." [Please refer to Section 7 Academic Support Services Paragraph J](#)