



THAYER SCHOOL OF
ENGINEERING
AT DARTMOUTH

Name of student: _____

Class of: _____

Date: _____ Advisor _____

Undergraduate Major Planning

	SUMMER	FALL	WINTER	SPRING
First year	AP credits:			
—				
Sophomore				
—				
Junior				
—				
Senior				
—				

Engs major _____ Engs modified with _____ Biomedical ENG _____ Eng physics _____

PREREQUISITES

Math 3, 8, 11 or 13 (F,W,S, see ORC for times)
Physics 13 (F, W:) & 14 (W, S: times vary)
Chemistry 5 (F: 10; W: 9L, 10)
Engs 20 (F,W: 10, ; S:11, 12) or CoSc 1 (F: 12, W:12, S: 2)
and CoSc 10 (F: 2, W:11, S:2)

COMMON CORE COURSES (3 courses)

ENGS 21 Intro to Engineering (F, W,S: 10A)***Math 3*
ENGS 22 Systems (F:10A; W:9L; S: 9L; X: 10) ***Math 13, Phys 14, Engs 20*
ENGS 23 Distributed Systems & Fields (F:2; W:9L; S:9L)***Engs 22*

DISTRIBUTIVE CORE COURSES (choose 2)

ENGS 24 Science of Materials (W,S: 10) ***Phys 14, Chem 5*
ENGS 25 Thermodynamics (S: 2; X: 10A) ***Math 13, Phys 13, ENGS 20 or CoSc 1 & 10*
ENGS 26 Control Theory (F, S: 9L;) ***Engs 22*
ENGS 27 Discrete & Probabilistic Systems (F: 10A) ***Math 8, Engs 20 or CoSc 1&10, Phys 13 or Chem 5*

GATEWAY COURSES (choose 2)

ENGS 30 Biological Physics (S:11) ***Chem 5, Phys 13, Phys 14*
ENGS 31 Digital Electronics (S: 12; X: 9L) ** *Engs 20 or CoSc 1&10*
ENGS 32 Electronics (W: arrange) ***Engs 22*
ENGS 33 Solid Mechanics (X: 12; F: 11; W: 12) ** *Math 13, Phys 13*
ENGS 34 Fluid Dynamics (W: 9L) ***Engs 2*
ENGS 35 Biotechnology & Biochemical Eng (F: 9L) **Math 3, Chem 3 or 5, Biol 12 or 13*
ENGS 36 Chemical Engineering (F: 10A) ***Engs 22, Engs 25 and Chem 5*
ENGS 37 Environmental engineering (F: 11) ***Math 3, Chem 5*

ELECTIVES (choose 2)

Math, natural science, or engineering science
Engineering science (may be culminating exp)

CULMINATING EXPERIENCE (choose 1)

Consult ORC or Thayer Course Guide

**Indicates pre-requisite, check ORC for exceptions. For modified, Biomedical, and engineering physics majors, consult the Thayer School course guide or ORC. Only pre-requisites may be taken under the NRO option unless prohibited.