

**Typical Academic Pathways for Course 16-ENG Students  
Entering the Department in the Fall Term of the Junior Year  
and Doing the 16.62x-16.82 Capstone**

Subject & Units	Institute Requirement Units Beyond GIRS
<b>1. Freshman Year</b>	
<u>Fall Term</u>	
3.091 Intro to Solid-State Chemistry (12)	CHEM
8.01-Physics I (12)	PHYS
18.01-Calculus I (12)	CALC
HASS (12)	HASS
<b>Term Units = 48</b>	
<u>Spring Term</u>	
6.0001 Intro to Computer Programming in Python, 6,	REST (1/2)
*6.0002 Intro to Computational Thinking & Data Science (12); REST, 6.0001	REST (1/2)
8.02-Physics II (12)	PHYS
18.02-Calculus II (12)	CALC
HASS (12), CI-H	HASS
<b>Term Units = 48</b>	
<b>2. Sophomore Year</b>	
<u>Fall Term</u>	
Elective (12)	12
18.03-Differential Equations (12)	REST
Elective (6)	6
HASS (12)	HASS
HASS-D (12)	HASS-D
<b>Term Units = 54</b>	
<u>Independent Activities Period</u>	
A six-unit elective, i.e. UROP-for-credit	6
<u>Spring Term</u>	
7.012-Introductory Biology (12)	BIO
Elective (12)	12
HASS (12)	HASS
HASS (12), CI-H	HASS
<b>Term Units = 48</b>	
<b>3. Junior Year</b>	
<u>Fall Term</u>	
16.001-Unified Engineering I (12)	12
16.002-Unified Engineering II (12)	12
HASS-D (12)	HASS-D
HASS-D (12)	HASS-D
<b>Term Units = 48</b>	
<u>Spring Term</u>	
16.003-Unified Engineering III (12)	12
16.004 Unified Engineering IV (12)	12
Elective (12)	12

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\* Students who entered Course 16 prior to Fall 2014 would have completed 1.00.

Concentration Subject #1 (12)		12
<b>Term Units = 48</b>		
<b>4. Senior Year</b>		
<u>Fall Term</u>		
16.06-Principles of Automatic Control (12)		12
Concentration Subject #2 (12)		12
Concentration Subject #3 (12)		12
Concentration Subject #4 (12)		12
16.621-Experimental Projects I (6)		6
<b>Term Units = 54</b>		
<u>Spring Term</u>		
Concentration Subject #5 (12)		12
16.622-Experimental Projects II (12), CI-M	LAB	
16.82-Flight Vehicle Engineering (12), CI-M		12
Concentration Subject #6 (12)		12
<b>Term Units = 48</b>		
<b>TOTAL UNITS BEYOND GIRS</b>		<b>198</b>