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

<table>
<thead>
<tr>
<th>Subject &amp; Units</th>
<th>Institute Requirement Units Beyond GIRS</th>
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1. **Freshman Year**

#### Fall Term
- 3.091 Intro to Solid-State Chemistry (12)  
- 8.01-Physics I (12)  
- 18.01-Calculus I (12)  
- HASS (12)

**Term Units = 48**

#### Spring Term
- 6.0001 Intro to Computer Programming in Python, 6,  
- 6.0002 Intro to Computational Thinking & Data Science (12); REST, 6.0001  
- 8.02-Physics II (12)  
- 18.02-Calculus II (12)  
- HASS (12), CI-H

**Term Units = 48**

2. **Sophomore Year**

#### Fall Term
- Elective (12)  
- 18.03-Differential Equations (12)  
- Elective (6)  
- HASS (12)  
- HASS-D (12)

**Term Units = 54**

#### Independent Activities Period
A six-unit elective, i.e. UROP-for-credit

**6**

#### Spring Term
- 7.012-Introductory Biology (12)  
- Elective (12)  
- HASS (12)  
- HASS (12), CI-H

**Term Units = 48**

3. **Junior Year**

#### Fall Term
- 16.001-Unified Engineering I (12)  
- 16.002-Unified Engineering II (12)  
- HASS-D (12)  
- HASS-D (12)

**Term Units = 48**

#### Spring Term
- 16.003-Unified Engineering III (12)  
- 16.004 Unified Engineering IV (12)  
- Elective (12)

**12**

* Students who entered Course 16 prior to Fall 2014 would have completed 1.00.
4. Senior Year

Fall Term
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

Term Units = 54

Spring Term
Concentration Subject #5 (12) 12
16.622-Experimental Projects II (12), CI-M LAB 12
16.82-Flight Vehicle Engineering (12), CI-M 12
Concentration Subject #6 (12) 12

Term Units = 48

TOTAL UNITS BEYOND GIRS 198