

BS in Engineering Science  
**Example** Course Sequences

**Example 1**

YEAR	FALL	SPRING
<b>1</b>	EGR 100 or Breadth MTH 111 (or PHY 119*) CHM 111 or 118 Writing Intensive (FYS)	EGR 100 or Breadth MTH 112 PHY 117 (or Elective) EGR 110
<b>2</b>	<b>EGR 270 + lab (offered fall only)</b> EGR 290, CSC 111, or SDS 220 MTH 212 Breadth	<b>EGR 220 + lab (offered spring only)</b> EGR 290, CSC 111, SDS 220, or EGR 374 PHY 210 Breadth
<b>3</b>	EGR 374+lab or Technical Depth CSC 111 or SDS 220 Lab Science Breadth	EGR 374+lab or Technical Depth EGR Technical Depth EGR Technical Depth Breadth
<b>4</b>	EGR 410D and Capstone Project EGR Technical Depth EGR Technical Depth Elective	EGR 410D and Capstone Project Elective Elective Elective

\*PHY119 is open to students with AP/IB/A-level calc and strong prior physics

**Example 2 (early explorer)**

YEAR	FALL	SPRING
<b>1</b>	Writing Intensive (FYS) MTH 111 Breadth Breadth	EGR 100 PHY 117 MTH 112 Breadth
<b>2</b>	<b>EGR 270 + lab (offered fall only)</b> CSC 111 or SDS 220 or lab science CHM 111 MTH 212	<b>EGR 220 + lab (offered spring only)</b> EGR 110 PHY 210 Breadth
<b>3</b>	EGR 290 CSC 111 or SDS 220 or lab science EGR 374+lab or Technical Depth Breadth	EGR 374+lab or Technical Depth CSC 111 or SDS 220 or lab science EGR Technical Depth Elective
<b>4</b>	EGR 410D and Capstone Project EGR Technical Depth EGR Technical Depth Elective	EGR 410D and Capstone Project EGR Technical Depth Elective Elective

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**Example 3 (study away)**

YEAR	FALL	SPRING
<b>1</b>	EGR 100 or Writing Intensive MTH 111 (or PHY 119*) Writing Intensive Language	EGR 110 MTH 112 PHY 117 (or Elective) Language
<b>2</b>	<b>EGR 270 + lab (offered fall only)</b> CHM 111 or 118 MTH 212 Breadth	<b>EGR 220 + lab (offered spring only)</b> EGR 290 PHY 210 SDS 220 or CSC 111
<b>3</b>	EGR 374 + lab SDS 220 or CSC 111 Lab Science EGR Technical Depth	<i>Breadth</i> <i>Elective (study away)</i> <i>Elective (study away)</i> <i>Elective (study away)</i>
<b>4</b>	EGR 410D and Capstone Project EGR Technical Depth EGR Technical Depth Elective	EGR 410D and Capstone Project EGR Technical Depth EGR Technical Depth Elective

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**Example 4 (sophomore chemistry)**

YEAR	FALL	SPRING
<b>1</b>	EGR 100 or Breadth MTH 111 (or PHY 119*) Writing Intensive (FYS) Elective	EGR 100 or Breadth EGR 110 MTH 112 PHY 117 (or Elective)
<b>2</b>	<b>EGR 270 + lab (offered fall only)</b> CHM 111 or 118 MTH 212 Breadth	<b>EGR 220 + lab (offered spring only)</b> <u>EGR 290</u> PHY 210 Breadth
<b>3</b>	CSC 111 or SDS 220 EGR 374+lab or Technical Depth Lab Science Breadth	CSC 111 or SDS 220 EGR 374+lab or Technical Depth EGR Technical Depth Breadth
<b>4</b>	EGR 410D and Capstone Project EGR Technical Depth EGR Technical Depth Elective	EGR 410D and Capstone Project EGR Technical Depth Elective Elective

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**EGR Technical Depth** indicates one of the five required engineering courses for the EGR major (four of five at the 300-level)

**Breadth** indicates courses taken for Latin Honors or in pursuit of a humanities or social science minor.

**Elective** indicates a course that is entirely free from constraints – could be within engineering, could be outside.

AP, IB, or other credits may enable more freedom and flexibility in course selection.