BS in Engineering Science
Example Course Sequences

Example 1

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

Updated August 2022

BS in Engineering Science
Example Course Sequences

Example 3 (study away, no engineering away)

YEAR	FALL	SPRING
1	EGR 100 MTH 111 (or PHY 119*) Writing Intensive Foreign Language	EGR 110 MTH 112 PHY 117 (or Elective) Foreign Language
2	**EGR 270 + lab (offered fall only)** CHM 111 or 118 MTH 212 Breadth	**EGR 220 + lab (offered spring only)** EGR 290 PHY 210 SDS 220 or CSC 110
3	EGR 374 + lab SDS 220 or CSC 110 Lab Science EGR Technical Depth	*Breadth (study away)* *Breadth (study away)* *Breadth (study away)* *Elective (study away)*
4	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 (study away, w engineering away)

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

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Updated August 2022

BS in Engineering Science
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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.