

COURSES GENERALLY REQUIRED FOR HONORS COMPLETION:

Mathematics:

01:640:151:H Section - Honors Calculus I

01:640:152:H Section - Honors Calculus II

01:640:251:H Section - Honors Calculus III

01:640:244 - Diff Eqs/Engr&Phys

Note: 01:640:252:H Section is NOT ACCEPTABLE for School of Engineering credit.

Note: 01:640:191, 01:640:192, and 01:640:291 are not recommended for Honors students in the School of Engineering.

Physics:

01:750:271 - Honors Physics I and 01:750:275 - Classical Physics Lab I (Fall Term ONLY)

01:750:272 - Honors Physics II and 01:750:276 - Classical Physics Lab II (Spring term ONLY)

01:750:273 - Honors Physics III (Fall Term ONLY)

Note: 01:750:273 NOT REQUIRED if normal major curriculum does not require 01:750:228 (Analytical Physics IIB)

General Engineering:

14:440:191 - Honors Introduction to Engineering (Fall Term ONLY, Honors Academy ONLY)

14:440:291 - Honors Engineering Mechanics: Statics

14:440:292 - Honors Engineering Mechanics: Dynamics (Fall term ONLY)

14:440:100 - Engineering Orientation Lect (Honors College ONLY)

Note: 14:440:292 NOT REQUIRED if normal major curriculum does not require 14:440:222 (Engineering Mechanics: Dynamics).

English:

01:355:103 - Exposition and Argument

ANY EXCEPTIONS TO THESE COURSES MUST BE GRANTED BY DEAN ANTOINE IN THE ENGINEERING BUILDING, Room B110.

DIFFERENCES AMONG DEPARTMENTAL REQUIREMENTS

<u>MAJOR</u>	<u>GEN CHEM II</u>	<u>HON PHYS III</u>	<u>HON DYNAMICS</u>
Applied Sciences	Yes	Yes	Packaging ONLY
Bioenvironmental	Yes	No	Yes
Biomedical	Yes	Yes	No
Chemical/Biochemical	Yes	No	No
Civil/Environmental	Yes	No	Yes
Electrical/Computer	No	No	No
Industrial	Yes	No*	Yes
Materials	Yes	No	No
Mechanical/Aerospace	Yes	Yes	Yes

* This applies to Industrial Engineering students **CLASS OF 2019/2020/2021/2022**

EXAMPLE ENGINEERING HONORS ACADEMY STUDENT COURSE SEQUENCE

(No AP/Transfer Credit)

Fall Semester 1

Honors Calculus I	4	01:640:151:H or 01:640:191
Honors Physics I	3	01:750:271
Classical Physics Laboratory I	1	01:750:275
General Chemistry for Engineers I	3	01:160:159
Introduction to Experimentation	1	01:160:171
Honors Introduction to Engineering	1	14:440:191
Introduction to Computers for Engineers	3	14:440:127

Total: 16 credits

Spring Semester 1

Honors Calculus II	4	01:640:152:H or 01:640:192
Honors Physics II	3	01:750:272
Classical Physics Laboratory II	1	01:750:276
General Chemistry for Engineers II*	3	01:160:160
Exposition and Argument	3	01:355:103
Humanities/Social Science Elective	3	--:---:--

Total: 17 credits

Fall Semester 2

Honors Calculus III	4	01:640:251:H or 01:640:291
Honors Physics III*	3	01:750:273
Honors Engineering Mechanics:Statics	3	14:440:291

Other Major Curriculum Requirements 7 to 10 credits

Total: 17 to 20 credits

Spring Semester 2

Differential Equations for Engineering	4	01:640:244
Honors Engineering Mechanics: Dynamics*	3	14:440:292
Humanities/Social Science Elective	3	--:---:---

Other Major Curriculum Requirements 8 to 11 credits

Total: 15 to 18 credits

* = Taken only if required by chosen engineering major department

EXAMPLE ENGINEERING HONORS COLLEGE STUDENT COURSE SEQUENCE

(No AP/Transfer Credit)

Fall Semester 1

Honors Calculus I	4	01:640:151:H or 01:640:191
Honors Physics I	3	01:750:271
Classical Physics Laboratory I	1	01:750:275
General Chemistry for Engineers I	3	01:160:159
Introduction to Computers for Engineers	3	14:440:127
Honors College Mission	3	01:090:125

Total: 17 credits

Spring Semester 1

Honors Calculus II	4	01:640:152:H or 01:640:192
Honors Physics II	3	01:750:272
Classical Physics Laboratory II	1	01:750:276
General Chemistry for Engineers II*	3	01:160:160
Introduction to Experimentation	1	01:160:171
Exposition and Argument	3	01:355:103
Engineering Orientation Lect	1	14:440:100
The Byrne Seminar	1	01:090:101

Total: 17 credits

Fall Semester 2

Honors Calculus III	4	01:640:251:H or 01:640:291
Honors Physics III*	3	01:750:273
Honors Engineering Mechanics:Statics	3	14:440:291
Interdisciplinary Honors Seminar	3	--:---:---

Other Major Curriculum Requirements up to 7 credits worth

Total: 17 to 20 credits

Spring Semester 2

Differential Equations for Engineering	4	01:640:244
Honors Engineering Mechanics: Dynamics*	3	14:440:292
Humanities/Social Science Elective	3	

Other Major Curriculum Requirements 8 to 11 credits

Total: 15 to 18 credits

* = Taken only if required by chosen engineering major department