



Electrical Engineering with Honors College Core:

Fall

Year 1 ENGL 1313 Composition and Literature I
MATH 1451 Calculus I
FYS 1300 First-Year Seminar (FYS)
ENSC 1411 Engineering and Cyber Projects I
COSC 1351 Introduction to Computer Programming

Year 2 HNRS 1610 Walking to Piraeus
HNRS 1030 Honors Lecture I
PHYS 2413/2013 Principles of Physics I with Lab
MATH 2451/2051 Calculus III with Lab
ELEN 2341 Intro to Microprocessors & Digital Design

Year 3 HNRS 2311 Faith, Reason, & Romance
HNRS 2030 Honors Lecture III
MATH 2323 Linear Algebra
ELEN 2362 Electrical Circuits II
ELEN 2325 Electrical and Magnetic Fields
COSC 3342 Computer Networks

Year 4 HNRS 3610 The Last Two Hundred Years
HNRS 3030 Honors Lecture V
HNRS 3130 Honors Science Readings
ENSC 4311 Senior Project I
ELEN 4372 Communication Systems

Spring

ENGL 1323 Composition and Literature II
MATH 1452/1052 Calculus II with Lab
CHEM 2415 or BIOL 2454 Science with Lab
ENSC 1412 Engineering and Cyber Projects II
COSC 1352 Intermediate Computer Programming

HNRS 1640 All Roads Lead to Rome
HNRS 1060 Honors Lecture II
PHYS 2423 /2023 Principles of Physics II with Lab
ENSC 2361 Electrical Engineering and Circuits
MATH 3333 Ordinary Differential Equations

HNRS 2640 Enlightenment & Modernity
HNRS 2060 Honors Lecture IV
CYEN 4333 Reverse Engineering (or)
CYEN 4381 Data Analytics (or)
CYEN 3331 Computer Network Security
ELEN 3342 Digital Signal Processing
ELEN 3362 Electronics I

HNRS 3640 The Story of Scripture
HNRS 3060 Honors Lecture VI
ENSC 4312 Senior Project II
ELEN 4341 Embedded Systems
ELEN 4373 Control / SCADA System
CYEN 4333 Reverse Engineering (or)
CYEN 4381 Data Analytics (or)
CYEN 3331 Computer Network Security

*In addition to the course schedule above, students will need to complete three hours of ENSC 4315: Internship/Professional Experience in order to earn their degree. It is recommended that this internship take place during the summer between either the second and third or the third and fourth academic years.

For more information, please contact the Honors College at Houston Baptist University:
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