



Computer Engineering Official Degree Plan

Step 1: Prepare for Your Appointment

1. Complete the attached degree plan form by reflecting your degree progress using [MyUH Advisement Report](#).
2. Select your electives. View the [UH Course Catalog](#) to review course descriptions and requirements.
3. Use the semester-to-semester plan template to map out your remaining semesters, using the [ECE expected course offerings](#) to plan.
4. Bring your notes & questions to your appointment to collaborate with your faculty advisor.

Step 2: Schedule an Appointment with your Program Faculty Advisor

- **Computer Engineering:** Dr. Yuhua Chen (yuhuachen@uh.edu)

Step 3: Get Your Degree Plan Approved and Submit to the ECE Office

- Save a copy of your approved degree plan and semester to semester plan document for your student records.
- Submit your faculty advisor signed degree plan form as part of your Senior Design Checklist [HERE](#).
- Follow up with your faculty advisor to discuss any changes.

Computer Engineering Degree Plan

Name: _____ PSID: _____ Date: _____

ECE Base

UH TR

- | | | | |
|--------------------------|--------------------------|-----------|-----------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | ENGI 1100 | Introduction to Engineering |
| <input type="checkbox"/> | <input type="checkbox"/> | ENGI 1331 | Computing for Engineers |
| <input type="checkbox"/> | <input type="checkbox"/> | ENGI 2304 | Technical Communications |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 2201 | Circuits Analysis I |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 2202 | Circuit Analysis II |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 2100 | Circuit Analysis Lab |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 3331 | Programming Appl. in ECE |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 3441 | Digital Logic Design |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 3155 | Electronics Lab |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 3355 | Electronics |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 3337 | Signals & Systems Analysis |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 3317 | Applied EM Waves |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 3436 | Microprocessor Systems |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 3457 | Digital Electronics |
| <input type="checkbox"/> | <input type="checkbox"/> | ECE 5367 | Intro to Comp Arch & Design |
| <input type="checkbox"/> | <input type="checkbox"/> | INDE 2333 | Engineering Statistics |

Mathematics

- | | | | |
|--------------------------|--------------------------|------------|---------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | MATH 2413 | Calculus I |
| <input type="checkbox"/> | <input type="checkbox"/> | MATH 2414 | Calculus II |
| <input type="checkbox"/> | <input type="checkbox"/> | MATH 2415 | Calculus III |
| <input type="checkbox"/> | <input type="checkbox"/> | MATH 3321 | Engineering Mathematics |
| | | OR | |
| | | (MATH 3331 | Ordinary Differential Equations |
| | | AND | |
| | | MATH 2318) | Linear Algebra |
| <input type="checkbox"/> | <input type="checkbox"/> | MATH 2305 | Discrete Mathematics |

Science

- | | | | |
|--------------------------|--------------------------|-----------|-------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | CHEM 1311 | Fundamentals of Chemistry |
| <input type="checkbox"/> | <input type="checkbox"/> | CHEM 1111 | Fundamentals of Chemistry Lab |
| <input type="checkbox"/> | <input type="checkbox"/> | PHYS 2325 | University Physics I |
| <input type="checkbox"/> | <input type="checkbox"/> | PHYS 2125 | University Physics Lab I |
| <input type="checkbox"/> | <input type="checkbox"/> | PHYS 2326 | University Physics II |
| <input type="checkbox"/> | <input type="checkbox"/> | PHYS 2126 | University Physics Lab II |

State Core Requirements

Communications (6 Hours)

- | | | | |
|--------------------------|--------------------------|-----------|-----------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | ENGL 1301 | First Year Writing I |
| <input type="checkbox"/> | <input type="checkbox"/> | ENGL 1302 | First Year Writing II |

American History (6 Hours)

- | | | | |
|--------------------------|--------------------------|-----------|------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | HIST 1301 | The United States to 1877 |
| <input type="checkbox"/> | <input type="checkbox"/> | HIST 1302 | The United States since 1877 |

Government/Political Science (6 Hours)

- | | | | |
|--------------------------|--------------------------|-----------|-----------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | GOVT 2305 | U.S. Government |
| <input type="checkbox"/> | <input type="checkbox"/> | GOVT 2306 | U.S. & TX Constitution & Politics |

Approved Core (6 hours)

- | | | | |
|--------------------------|--------------------------|-----------|--------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | ECON 2302 | Social & Behavioral Sciences |
| <input type="checkbox"/> | <input type="checkbox"/> | ENGI 2304 | Writing in the Discipline |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ | Language, Philosophy & Culture |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ | Creative Arts |

Computer Science

- | | | |
|--------------------------|-----------|--------------------------------------|
| <input type="checkbox"/> | COSC 1437 | Introduction to Programming |
| <input type="checkbox"/> | COSC 2436 | Programming & Data Structures |
| <input type="checkbox"/> | COSC 4351 | Fundamentals of Software Engineering |

Category 1: CpE Elective Courses

CpE students are required to choose 2 electives out of the following:

- ECE 4437: Microembedded Systems
- ECE 5436: Advanced Microprocessors
- ECE 5440: Advanced Digital Design

- | | | | |
|--------------------------|---------------|-------------|----------------|
| | Course Number | Course Name | (CpE Elective) |
| <input type="checkbox"/> | _____ | _____ | (CpE Elective) |
| <input type="checkbox"/> | _____ | _____ | (CpE Elective) |

Category 2: ECE Elective + Lab

CpE students are required to complete one ECE elective course with a lab.

- 4 credit electives include a lab hour (Ex: ECE 5440)
- 1 credit courses partner with many 3 credit ECE elective options (Ex: ECE 4375/4115)

- | | | | |
|--------------------------|---------------|-------------|----------------------|
| | Course Number | Course Name | (ECE Elective + Lab) |
| <input type="checkbox"/> | _____ | _____ | (ECE Elective + Lab) |

ECE Capstone Design

Students must meet with and obtain the signature of their concentration faculty advisor before enrolling in ECE 4335. Check [Capstone Design website](#) for details.

- | | | |
|--------------------------|----------|---------------------------|
| <input type="checkbox"/> | ECE 4335 | Capstone Senior Design I |
| <input type="checkbox"/> | ECE 4336 | Capstone Senior Design II |

Rules You Need to Know:

- **C- Rule:** COE requires a grade of C- or better for credit in any mathematics, science, or engineering course that applies toward the bachelor's degree. A C- is required for any mathematics, science, or engineering course used as a prerequisite.
- Last 30 hours must be exclusively completed at UH
- **Maximum** of 66 lower-level transfer hours may be applied towards UH degree
- **Maximum Number of Attempts:** COE does not allow a student to attempt Engineering courses more than two times and science or mathematics more than three times
- **Minimum of a 2.25 GPA** in cumulative, major, and minor GPA to graduate

*UH- Courses taken at UH

*TR- Transfer courses taken at another institution

IF SUBMITTING AS PART OF YOUR SENIOR DESIGN REGISTRATION, PLEASE BE AWARE OF THE FOLLOWING.

ECE 4335 ENROLLMENT REQUIREMENTS

- Must be within one year of graduation and able to complete all remaining degree requirements within the next two semesters without exceeding 19 credit hours per term.
- Must have successfully completed the prerequisite courses: ECE 3355, ECE 3155, ECE 3317, ECE 3436, and ECE 3337.
- Must have completed all [core curriculum](#) requirements.
- Must have transferred and applied all outstanding degree requirements completed at other institutions.
- Students may not self-register for ECE 4335; program advisors will complete registration after prior term grades are posted and the checklist is received.
- ***Submit this faculty advisor signed degree plan form as your Senior Design Checklist [HERE](#).***

I have read and agree to the requirements above and will meet them to graduate from the program. I understand that I must submit this before being approved to register for senior design.

Student ID Number	Student Name	Student Signature	Today's Date
-------------------	--------------	-------------------	--------------

I met with student to discuss their remaining elective requirements. The student understands that final confirmation of accuracy must be obtained from their program advisor.

Faculty Advisor's Name	Faculty Advisor's Signature	Today's Date
------------------------	-----------------------------	--------------



**Department of Electrical
and Computer Engineering**

Cullen College of Engineering

