

Degree Checklist: BS in Electrical Engineering

Name:

Date:

PeopleSoft ID:

ECE BASE

| | | |
|--------------------------|-----------|---------------------------------|
| <input type="checkbox"/> | ENGI 1100 | Introduction to Engineering |
| <input type="checkbox"/> | ENGI 1331 | Computing for Engineers |
| <input type="checkbox"/> | ENGI 2304 | Technical Communications |
| <input type="checkbox"/> | ECE 2201 | Circuits Analysis I |
| <input type="checkbox"/> | ECE 2202 | Circuit Analysis II |
| <input type="checkbox"/> | ECE 2100 | Circuit Analysis Lab |
| <input type="checkbox"/> | ECE 3331 | Programming Applications in ECE |
| <input type="checkbox"/> | ECE 3441 | Digital Logic Design |
| <input type="checkbox"/> | ECE 3155 | Electronics Lab |
| <input type="checkbox"/> | ECE 3355 | Electronics |
| <input type="checkbox"/> | ECE 3337 | Signals & Systems Analysis |
| <input type="checkbox"/> | ECE 3317 | Applied EM Waves |
| <input type="checkbox"/> | ECE 3436 | Microprocessor Systems |
| <input type="checkbox"/> | ECE 3340 | Numerical Methods |
| <input type="checkbox"/> | INDE 2333 | Engineering Statistics |

MATHEMATICS

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

SCIENCE

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

RULES YOU NEED TO KNOW:

1. 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. In addition, the "C-" is required for any mathematics, science, or engineering course used as a prerequisite for a subsequent course.
2. Last 30 hours must be exclusively completed at UH
3. MAXIMUM of 66 lower level transfer hours may be applied towards UH degree
4. MAX 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
5. MINIMUM of a 2.00 GPA in cumulative, major, and minor GPA to graduate

STATE CORE REQUIREMENTS

COMMUNICATIONS (6 hours)

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

AMERICAN HISTORY (6 hours)

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

GOVERNMENT/POLITICAL SCIENCE (6 hours)

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

FROM APPROVED CORE (6 hours) Choose from UH Core Website

| | | |
|--------------------------|---------------|--|
| <input type="checkbox"/> | - ECON 2302 - | Social & Behavioral Sciences (3 hours) |
| <input type="checkbox"/> | - ENGI 2304 - | Writing in the Discipline (3 hours) |
| <input type="checkbox"/> | | Language, Philosophy & Culture |
| <input type="checkbox"/> | | Creative Arts |

CONCENTRATION AREA:

APPROVED CONCENTRATION ELECTIVES (6 Electives)

| | |
|--------------------------|--|
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |

ELECTIVE REQUIREMENTS

| | | |
|--------------------------|--|---------------|
| <input type="checkbox"/> | | ECE Elective |
| <input type="checkbox"/> | | ECE Elective |
| <input type="checkbox"/> | | ECE Lab |
| <input type="checkbox"/> | | ECE Lab |
| <input type="checkbox"/> | | ECE Lab |
| <input type="checkbox"/> | | ECE Lab |
| <input type="checkbox"/> | | Tech Elective |

ECE CAPSTONE DESIGN

Students will attend a Capstone Design Information Session the semester before entering ECE 4335. Check Capstone Design website for details.

Prerequisites for Capstone Design: **ECE 3355** **ECE 3317** **ECE 3436**
ECE 3155 **ECE 3340** **INDE 2333**

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

Comments:

Advisor's Signature: _____

Degree Checklist: BS in Computer Engineering

Name:

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ECE BASE

| | | | |
|--------------------------|--------------------------|-----------|---------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | ENGI 1100 | Introduction to Engineering |
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| <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

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| <input type="checkbox"/> | <input type="checkbox"/> | MATH 2413 | Calculus I |
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| <input type="checkbox"/> | <input type="checkbox"/> | MATH 3321 | Engineering Mathematics |
| <input type="checkbox"/> | <input type="checkbox"/> | OR MATH 3331 | Ordinary Differential Equations |
| | | AND | AND |
| | | MATH 2318 | Linear Algebra |
| <input type="checkbox"/> | <input type="checkbox"/> | MATH 3336 | Discrete Mathematics |

SCIENCE

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|--------------------------|--------------------------|-----------|-------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | CHEM 1311 | Fundamentals of Chemistry* |
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FROM APPROVED CORE (6 hours) Choose from UH Core Website

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| <input type="checkbox"/> | <input type="checkbox"/> | - ECON 2302 - | Social & Behavioral Sciences (3 hours) |
| <input type="checkbox"/> | <input type="checkbox"/> | - ENGI 2304 - | Writing in the Discipline (3 hours) |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ | Language, Philosophy & Culture |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ | Creative Arts |

COMPUTER SCIENCE (12 hours)

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

CPE ELECTIVE (Choose 2 electives from below)

☐ ECE 5440 ☐ ECE 4437 ☐ ECE 5436

ECE ELECTIVE + LAB (4 hours)

| | | |
|--------------------------|--------------------------|----------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="text"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="text"/> |

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| <input type="checkbox"/> | ECE 4335 | Capstone Senior Design I |
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Comments:

Advisor's Signature: _____

NAME:

DATE:

Senior Year Planner

| SEMESTER ONE | NOTES |
|--------------|-------|
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| SEMESTER TWO | NOTES |
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| SEMESTER THREE | NOTES |
|----------------|-------|
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