

# 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"/>	<b>OR</b> MATH 3331	Ordinary Differential Equations
<input type="checkbox"/>	<b>AND</b> MATH 2318	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"/>	_____	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:

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 3457	Digital Electronics
<input type="checkbox"/>	ECE 5367	Intro to Comp Arch & Design
<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"/>	<b>OR</b> MATH 3331	Ordinary Differential Equations
	<b>AND</b>	<b>AND</b>
	MATH 2318	Linear Algebra
<input type="checkbox"/>	MATH 3336	Discrete Mathematics

## 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

## COMPUTER SCIENCE (12 hours)

<input type="checkbox"/>	COSC 1437	Introduction to Programming
<input type="checkbox"/>	COSC 2436	Programming & Data Structures
<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"/>	_____

## 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 INDE 2333 ECE 3155 ECE 3436**

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

Comments:

Advisor's Signature: \_\_\_\_\_

