Degree Checklist: BS in Electrical Engineering Name: Date: PeopleSoft ID: STATE CORE REQUIREMENTS **ECE BASE** COMMUNICATIONS (6 hours) **ENGI 1100** Introduction to Engineering **ENGL 1301** First Year Writing I **ENGI 1331** Computing for Engineers **ENGL 1302** First Year Writing II **FNGI 2304 Technical Communications** ECE 2201 Circuits Analysis I AMERICAN HISTORY (6 hours) ECE 2202 Circuit Analysis II HIST 1301 The United States to 1877 ECE 2100 Circuit Analysis Lab HIST 1302 The United States since 1877 ECE 3331 Programming Applications in ECE GOVERNMENT/POLITICAL SCIENCE (6 hours) ECE 3441 Digital Logic Design ECE 3155 **GOVT 2305 Electronics Lab** U.S. Government ECE 3355 Electronics **GOVT 2306** U.S. & TX Constitution & Politics FCF 3337 Signals & Systems Analysis FROM APPROVED CORE (6 hours) Choose from UH Core Website ECE 3317 Applied EM Waves ECE 3436 Microprocessor Systems - ECON 2302 -Social & Behavioral Sciences (3 hours) ECE 3340 **Numerical Methods** ENGI 2304 -Writing in the Discipline (3 hours) **INDE 2333 Engineering Statistics** Language, Philosophy & Culture Creative Arts **MATHEMATICS MATH 2413** Calculus I **CONCENTRATION AREA: MATH 2414** Calculus II Calculus III **MATH 2415** APPROVED CONCENTRATION ELECTIVES (6 Electives) **Engineering Mathematics MATH 3321** OR MATH 3331 Ordinary Differential AND **Equations** AND MATH 2318 Linear Algebra **SCIENCE** Fundamentals of Chemistry* **CHEM 1311** Fundamentals of Chemistry Lab **CHEM 1111 ELECTIVE REQUIREMENTS** University Physics I **PHYS 2325** University Physics Lab I ECE Elective **PHYS 2125** University Physics II **PHYS 2326 ECE Elective** University Physics Lab II **PHYS 2126** ECE Lab ECE Lab RULES YOU NEED TO KNOW: **ECE Lab** 1. C- Rule: COE requires a grade of "C-" or better for credit in any mathematics, Tech Elective science, or engineering course that applies toward the bachelor's degree. In addition, the "C-" is required for any mathematics, science, or engineering **ECE CAPSTONE DESIGN**

- 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

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 3155 ECE 3340 **INDE 2333**

ECE 4335	Capstone Senior Design I
	Capstone Senior Design II

Comments:

Advisor's Signature:	
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Degree Checklist: BS in Computer Engineering Name: Date:

PeopleSoft ID:

ECE BASE	
ENGI 1100 ENGI 1331 ENGI 2304 ECE 2201	Introduction to Engineering Computing for Engineers Technical Communications Circuits Analysis I
ECE 2202 ECE 2100 ECE 3331 ECE 3441	Circuit Analysis II Circuit Analysis Lab Programming Applications in ECE Digital Logic Design
ECE 3155 ECE 3355 ECE 3337 ECE 3317	Electronics Lab Electronics Signals & Systems Analysis Applied EM Waves
ECE 3436 ECE 3457 ECE 5367 INDE 2333	Microprocessor Systems Digital Electronics Intro to Comp Arch & Design Engineering Statistics

AND AND	岜	MATH 2415 MATH 3321 OR MATH 3331		Calculus III Engineering Mathematics Ordinary Differential Equations
AND AND		OR	MATH 3331	Ordinary Differential Equations
			AND	AND

MATH 2318 Linear Algebra

MATH 3336 Discrete Mathematics

MATHEMATICS

SCIENCE



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
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- 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)

ENGL 1301 First Year Writing I
ENGL 1302 First Year Writing II

AMERICAN HISTORY (6 hours)

HIST 1301 The United States to 1877
HIST 1302 The United States since 1877

GOVERNMENT/POLITICAL SCIENCE (6 hours)

GOVT 2305 U.S. Government

GOVT 2306 U.S. & TX Constitution & Politics

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

ECON 2302 -ENGI 2304 -	Social & Behavioral Sciences (3 hours Writing in the Discipline (3 hours)
]	Language, Philosophy & Culture
1	Creative Arts

COMPUTER SCIENCE (12 hours)

COSC 1437	Introduction to Programming
COSC 2436	Programming & Data Structures
COSC 4351	Fundamentals of Software Engr

CPE ELECTIVE (Choose 2 electives from below

	ECE 5440	ECE 4437	ECE 5436
ECE E	ELECTIVE + L	AB (4 hours)	

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

ECE 4335	Capstone Senior Design I
ECE 4336	Capstone Senior Design I

Comments:

Advisor's Signature:	
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NAME:	
DATE:	

Senior Year Planner

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SUMMER SCHEDULE	NOTES
FALL SCHEDULE	NOTES
SPRING SCHEDULE	NOTES