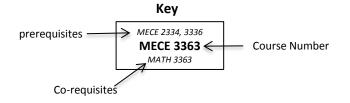
## **UH - Mechanical Engineering: BSME Degree Plan** UHID# 128 Total Credit Hours. Effective Fall 2016. Semester Credit Hrs. Semester # MATH 1330 MATH 1330 **CHEM 1111** Fall **POLS 1336 ENGI 1100 ENGL 1303** 15 **MATH 1431 CHEM 1331** 1 CHEM 1331 CHEM 1111 MATH 1431 CHEM 1331 MATH 1431 ENGL 1303 17 **PHYS 1321 CHEM 1112 MATH 1432 CHEM 1332 ENGI 1331 ENGL 1304** MATH 1432 CHEM 1332 PHYS 1321 Language, PHYS 1321 MATH 1432 Fall **POLS 1337 PHYS 1322** Phil. Culture 16 MECE 3336/CIVE 2330 **MATH 2433** MATH 2433 MATH 2433 Core PHYS 1322, MATH ENGL 1304, ENGI ENGI 1331. 2336 MECT 1330 Spring MATH 1432 2433, CHEM 1332, 1331 MECE 15 **MECE 3336 MECE 2361 MATH 3321** 1112 2336/CIVE 2330 MATH 3321 ENGI 2304 **MECE 2334 ENGI 2304** Social & MECE 2361, 3336 CHEM 1332, 1112, MECE 3336 Fall MATH 2433, 3321 5 MECE 2334, 3336 18 **MECE 3338 MECE 3369 HIST 1377** Behavioral **MATH 3363 MECE 3345** MATH 3363 (F) Science Core Spring MECE 3369 MECE 2334. 3336. MECE 2334. 3336 MECE 3345. ENGI **Creative Arts** ENGI 2304 2304 **MECE 3381 MECE 3363 HIST 1378** 17 Core **MECE 3360 MECE 3245** MATH 3363 MATH 3363 MECE 3338, 3345, MATH 3363 MATH 3363, MECE Fall MECE 2334 Senior standing in 3360, 3381 3363 15 **MECE 4331 MECE 4343 MECE 4340 MECE Elective MECE 4364** MECE 3381 (F) MECE 4364 (F) MECE 4331, 4364 Senior standing in MECE 4340 Senior standing in Senior standing in MECE 3338, 3360 MECE 3360, 4364 15 **MECE 4341 MECE 4372 MECE 4371** MECE Elective MECE Elective MECE Elective 128 Total (S)

- The first digit in a course number indicates level, while the second digit is the number of credit hours. For example, MATH 2433 is a 4 credit hour sophomore-level course in mathematics.
- Prerequisites appear above the main course number, while co-requisites are shown below. Consult the instructor if you don't meet these requirements. Course titles are on the other side of this page. Specific senior level MECE Electives may have additional prerequisites.
- Students must satisfy a drafting requirement by completing MECT 1330 or by petitioning high school drafting or relevant industrial experience.
- For Chemistry, you are required to take CHEM 1331, CHEM 1332, CHEM 1111 and CHEM 1112.
- Guidelines for selecting MECE electives are listed on the other side of this page. You must petition any exceptions to these guidelines.
- Courses that include (F) or (S) on the lower left corner are usually only offered once a year in the indicated term (F for fall and S for Spring).

## UH - Mechanical Engineering: BSME Degree Plan. Effective Fall 2016

First advising contact is: Yebine Yabi, Advising Assistant N207, Engineering Bldg. 1, 713-743-4500, yyabi@central.uh.edu

Core	
ENGL 1303	Freshman Composition I
ENGL 1304	Freshman Composition II
HIST 1377	The United States to 1877
HIST 1378	The United States since 1877
POLS 1336	U.S. and Texas Constitution and Politics
POLS 1337	U.S. Government: Congress, President and Courts
ENGI 2304	Technical Communications
	sophy & Culture, ioral Sciences, and ee courses. See UH Core Curriculum for approved list of courses.
Natural Science ar	nd Mathematics
CHEM 1331	Fundamentals of Chemistry - I
CHEM 1111	Fundamentals of Chemistry Laboratory - I
CHEM 1332	Fundamentals of Chemistry - II
CHEM 1112	Fundamentals of Chemistry Laboratory - II
MATH 1431	Calculus I
MATH 1432	Calculus II
MATH 2433	Calculus III
MATH 3321	Engineering Mathematics
MATH 3363	Introduction to Partial Differential Equations
PHYS 1321	University Physics I
PHYS 1322	University Physics II



ИЕСТ 1330	Computer-aided Drafting – required, but does not apply to
	BSME degree
ENGI 1100	Introduction to Engineering
ENGI 1331	Computing for Engineers
MECE 2334	Thermodynamics
MECE 2336 or CIVE 2330	Mechanics I (Statics)
MECE 2361	Mechanical Design I: Design Analysis and Synthesis
MECE 3245	Materials Science Laboratory
MECE 3336	Mechanics II (Dynamics)
MECE 3338	Dynamics and Control of Mechanical Systems
MECE 3345	Material Science
MECE 3360	Experimental Methods Laboratory
MECE 3363	Introduction to Fluid Mechanics
MECE 3369	Solid Mechanics
MECE 3381	Introduction to Finite Element Methods
MECE 4331	Design of Machine Elements
MECE 4343	Thermal Design
MECE 4340	Mechanical Engineering Capstone I
MECE 4341	Mechanical Engineering Capstone II
MECE 4364	Heat Transfer
MECE 4371	Thermal/Fluids Laboratory
MECE 4372	Mechanics, Controls and Vibrations Laboratory
Of the A require	d electives, only one may be non-MECE course
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Approved WECE	Electives (must have senior standing in ME) are:
MECE 3399 and	MECE 4399 Senior Honors Thesis
MECE 4398: Spe	cial Problems (no more than one course)
MECE 53xx or hi	gher
advisor)	ENGI, INDE, PETR, BIO 33xx or higher from an approved list (see
MATH 43xx (ma	y also be used to apply for a Math Minor) from an approved list