

BACHELOR OF SCIENCE- MECHANICAL ENGINEERING
2019-2020

Year 1	Semester 1 Fall	Semester 2 Spring	Summer	Total
	WRIT 1301 English Composition I 3	WRIT 1302 English Composition I 3		
	HIST 1301 U.S. History I 3	ENGR 1204 Engineering Graphics for Mech. Eng 2		
	ENGR 1201 Introduction to Engineering 2	ENGR 2304 Computing for Engineers 3		
	CHEM 1311/1111 General Chemistry w/Lab 4	PHYS 2325/2125 University Physics I w/Lab 4		
	MATH2413 Calculus I 4	MATH 2414 Calculus II 4		
	PSYC 1100 Learning Frameworks 1			
	Semester Hours 17	16	0	33
Year 2	Semester 1 Fall	Semester 2 Spring	Summer	Total
	POLS 2305 Federal Government 3	COMM 1315 Public Speaking 3		
	PHYS 2326/2126 University Physics II w/Lab 4	MATH 2320 Ordinary Differential Equations 3		
	MATH2315 Calculus III 3	ENGR 2305 Electrical Circuits I 3		
	ENGR 2301 Statics 3	ENGR 2302 Dynamics 3		
	MATH 2318 Linear Algebra 3	MENG 2334 Thermodynamics I 3		
	Semester Hours 16	15	0	31

Year 3	Semester 1 Fall	Semester 2 Spring	Summer	Total
	MENG 3210 Experimental & Statistical Methods w/Lab 2	CORE Creative Arts 3		
	MENG 3303 Solid Mechanics 3	CORE Language Philosophy and Culture 3		
	MENG 3310 Introduction to Fluid Mechanics 3	MENG 3316 Heat Transfer 3		
	MENG 3324 Introduction to Materials Science 3	MENG 3314 Design Methodology 3		
	HIST 1302 U.S. History II 3	MENG 3344 Introduction to Manufacturing Processes 3		
	CORE Social & Behavioral Sciences 3			
	Semester Hours 17	15	0	32
Year 4	Semester 1 Fall	Semester 2 Spring	Summer	Total
	MENG 4310 Dynamics & Control of Mechanical Systems 3	MENG 4341 Mechanical Engineering Capstone II 3		
	MENG 4340 Mechanical Engineering Capstone I 3	MENG 43XX Mechanical Engineering Elective 3		
	MENG 4331 Design of Machine Elements 3	MENG 43XX Mechanical Engineering Elective 3		
	MENG 4343 Thermal/Fluid System Design 3	AMSE Approved Math/Science Elective 3-4		
	MENG 4143 Thermal/Fluids Lab 1	POLS 2306 Texas Government 3		
	WRIT 3315 Advanced Technical Writing 3			
	Semester Hours 16	15-16	0	15-16
	Total Plan Hours			127-128

- State of Texas Core Curriculum Course. Please refer to the 2016-2017 UHCL Undergraduate Catalog (www.uhcl.edu/catalog) for approved options.
- This document is only intended as a guide. Please see an academic advisor for assistance with academic planning.