

MECHANICAL ENGINEERING RECOMMENDED PROGRAM OF STUDY 2018-2020 UNDERGRADUATE CATALOG

Updated: 03/13/18

SEMESTER I				SEMESTER II			
AIS	1203	Academic Inquiry & Scholarship	3	MAT/EGR	1224/1324	Calculus II	4
CHE	1103	General Chemistry I	3	PHY	1943	Physics for SCI/EGR I	3
MAT	1214	Calculus I	4	PHY	1951	Physics for SCI/EGR I Lab	1
ME	1403	ME Practice & Graphics	3	POL	1013	Intro to American Politics (Core)	3
WRC	1013	Freshman Composition I	3	CORE		American History	3
				WRC	1023	Freshman Composition II	3
Semester Total			16	Semester Total			17
SEMESTER III				SEMESTER IV			
EGR	2103	Statics	3	EE	2213	Electric Circuits & Electronics	3
EGR	2323	Applied Engineering Analysis I	3	EGR	2513	Dynamics	3
PHY	1963	Physics for SCI/EGR II	3	EGR	3323	Applied Engineering Analysis II	3
PHY	1971	Physics for SCI/EGR II Lab	1	ME	3241	Materials Engineering Lab	1
EGR	1403	Tech. Comm. (or other Core options)	3	ME	3243	Materials Engineering	3
		Math/Science Elective	3	ME	3293	Thermodynamics I	3
Semester Total			16	Semester Total			16
SEMESTER V				SEMESTER VI			
ME	2173	Numerical Methods	3	ME	3541	Dynamic Systems & Control Lab	1
ME	3113	Measurements & Instrumentation	3	ME	3543	Dynamic Systems & Control	3
ME	3663	Fluid Mechanics	3	ME	3263	Manufacturing Engineering	3
ME	3813	Mechanics of Solids	3	ME	3823	Machine Element Design I	3
ME	4293	Thermodynamics II	3	ME	4313	Heat Transfer	3
CORE		Lang, Phil, & Culture	3	ME	4801	Manufacturing Practices Lab	1
				CORE*		Creative Arts	3
Semester Total			18	Semester Total			17
SEMESTER VII				SEMESTER VIII			
ME	4543	Mechatronics	3	ME	4813	Senior Design II	3
ME	4312	Thermal and Fluid Lab	2	ME		Technical Elective	3
ME	4812	Senior Design I	2	ME		Technical Elective	3
POL	1133/1213	Texas Politics	3	CORE		American History	3
ME		Technical Elective	3	CORE		Social & Behavioral Sciences	3
Semester Total			13	Semester Total			15
Total Required Degree Hours							128

DEADLINE TO APPLY FOR GRADUATION: Fall: July 15th

Spring: November 15th

Summer: February 15th

Approved Math/Science Electives

BIO 1233. Contemporary Biology I	CHE 2603. Organic Chemistry I	PHY 2103 Modern Physics
BIO 1243. Contemporary Biology II	ES 2013. Intro to Environmental Sci. I	PHY 3203. Classical Mechanics I.
BIO 1404. Biosciences I.	GEO 1123. Life Through Time	STA 2303 Appl. Prob.& Statist for Engrs.
BIO 2003. Biology of Human Reproduction	MAT 3013. Foundations of Mathematics	STA 3003. Applied Statistics
CH 1113 General Chemistry II	MAT 3103. Data Anal. & Interpretation	