

# UTSA

## MECHANICAL ENGINEERING RECOMMENDED PROGRAM OF STUDY 2010-2012 UNDERGRADUATE CATALOG

Revised 11/24/2010

SEMESTER I				SEMESTER II				
MAT	1214	Calculus I	4	MAT	1224	Calculus II	4	
ME	1302	Mechanical Engineering Practice	2	ME	1402	M.E. Practice & Graphics	2	
CHE	1103	General Chemistry I	3	PHY	1903	Engineering Physics I	3	
WRC	1013	Freshman Composition I	3	PHY	1911	Engineering Physics I Lab	1	
COR	1203	Freshman Seminar/Soc-Beh Science	3	WRC	1023	Freshman Composition II	3	
				<b>CORE*</b>		U.S. History & Diversity	3	
Semester Total			15	Semester Total			16	
SEMESTER III				SEMESTER IV				
ME	2173	Numerical Methods	3	EGR	3323	Applied Engineering Analysis II	3	
EGR	2103	Statics	3	EGR	2513	Dynamics	3	
PHY	1923	Engineering Physics II	3	ME	3244	Materials Engineering & Lab	4	
PHY	1931	Engineering Physics II Lab	1	ME	3293	Thermodynamics I	3	
EGR	2323	Applied Engineering Analysis I	3	<b>Major Work</b>		Approved Math/Science Elective	3	
<b>CORE*</b>		U.S History & Diversity	3					
Semester Total			16	Semester Total			16	
SEMESTER V				SEMESTER VI				
EE	2213	Electric Circuits/Electronics	3	ME	3823	Machine Element Design	3	
ME	3663	Fluid Mechanics	3	ME	4313	Heat Transfer	3	
ME	4293	Thermodynamics II	3	ME	3113	Measurements & Instrumentation	3	
ME	3543	Dynamic Systems & Control	3	ME	3263	Manufacturing Engineering	3	
ME	3813	Mechanics of Solids	3	<b>CORE*</b>		Visual & Performing Arts	3	
<b>CORE*</b>		Literature	3	<b>CORE*</b>	1013	Political Science	3	
Semester Total			18	Semester Total			18	
SEMESTER VII				SEMESTER VIII				
ME	4812	Senior Design I	2	ME	4813	Senior Design II	3	
ME	4733	Mechanical Engineering Lab	3	ME		Technical Elective	3	
ME	4543	Mechatronics	3	ME		Technical Elective	3	
ME		Technical Elective	3	<b>CORE*</b>		Economics (2003, 2013, or 2023)	3	
<b>CORE*</b>		Political Science (Texas)	3	<b>CORE*</b>		World Society & Issues	3	
Semester Total			14	Semester Total			15	
							<b>Total Required Degree Hours</b>	<b>128</b>

\*Please go to pages 5-9 in the catalog for a complete list of core courses\*

**DEADLINE TO APPLY FOR GRADUATION:**  
FALL: Apr. 15; SPR: Nov.15; SMR: Feb. 15

**ALL UNDERGRADUATE ENGINEERING STUDENTS MUST SEE A FACULTY ADVISOR EVERY  
FALL/SPRING PRIOR TO REGISTRATION**