

Overview

- Catalog Changes
- Prerequisite Changes
- Spring 2016 Class Schedule
- Other Topics
- Questions and Answers

Advising

- “ME-RECOMMENDED PROGRAM OF STUDY Undergraduate Catalog”
 - contains the list of prerequisites
- The College of Engineering Undergraduate Advising Center

Changes in 2015-16 Catalog

- EGR 3303 Engineering Co-op has changed into three SCH course
 - Alternative periods of study at the University with Periods of Employment in Industry
 - May petition the course to be counted as a technical elective
 - Must demonstrate that the work is equivalent to an upper division technical elective course
 - Must identify a faculty to monitor you work
 - Must submit a report to be evaluated by a faculty

Changes in 2015-16 Catalog

- Added Oil and Gas as a Concentration
- Students pursuing an Oil/Gas certificate must complete 15 semester credit hours as follows:
- ME 3113 Measurements and Instrumentation* ME 3823 Machine Element Design I*
- ME Electives (9 semester credit hours) three courses selected from the following list*:
 - ME 3323 Mechanical Vibration
 - ME 4323 Thermal Systems Design
 - ME 4373 Separations Processes
 - ME 4643 Pressure Vessel and Piping Design
 - ME 4653 Oil and Gas Engineering and Reservoir Geomechanics

Oil and Gas Certificate

- To earn an Oil/Gas certificate, students must satisfy the following requirements:
 - Complete all the requirements of the certificate program.
 - Receive a grade of “C-” or better in each course used to satisfy the requirements of the certificate program.
 - Achieve at least a 2.5 grade point average (on a 4.0 scale) in all courses used to satisfy the requirements of the certificate program.
 - Submit an application for undergraduate certificate to the Registrar office.

Changes in 2015-16 Catalog

- MAT 1224 replaced by EGR 2323 as a prerequisite for ME 2713-Numerical Methods
- ME 1402 added as prerequisite for ME 3513-Mechanism Design
- ME 3293-Thermo-I is a co-requisite for ME 3663-Fluid Mechanics, instead of being a prerequisite
- ME 4173-High Performance Computing was added to the catalog
- EGR 2323 was dropped as a prerequisite for ME 4293
- ME 4293-Thermo-II was added as a prerequisite to ME 4733- ME Lab

Changes in 2016-17 Catalog

- A minimum grade of “C-“ or better is required for all mathematics, science, Engineering (EGR), Mechanical Engineering (ME) courses in the curriculum
- ME 4673-Corrosion Engineering added as an elective to Oil and gas certificate
- ME 1302 is dropped as a required course
- ME 1402 is changed to ME 1403
- prerequisite for ME 3513-Mechanism Design
- ME 4812-Senior Design-I is changed to ME 4803
- In addition to previous prerequisite to ME 4812, ME 3113, ME 3663, and ME 4293 are added as prerequisites to ME 4803.

Changes in 2016-17 Catalog

- In additions to previous prerequisite to ME 4812, ME 3113, ME 3663, and ME 4293 are added as prerequisites to ME 4803.
- ME 4313, ME 4543, ME 4733, and ME 4803 are prerequisites to ME 4813-Senior Design-II

Course Offering in ME

- Prerequisites are based on the most recent catalog
- Students can still use earlier catalogs for graduation
 - in some cases course substitutions are necessary

Spring 2016 Course Schedule

- Are there any major time conflicts?
- Other issues?

Recommended Program of Study

2015-16

SEMESTER I			SEMESTER II				
 AIS 	1203	Academic Inquiry & Scholarship	3	 MAT 	1224	Calculus II	4
 CHE 	1103	General Chemistry I	3	 ME 	1402	ME Practice & Graphics	2
 MAT 	1214	Calculus I	4	 WRC 	1023	Freshman Composition II	3
 ME 	1302	Intro. to Mechanical Engineering	2	 PHY 	1943	Physics for SCI/EGR I	3
 WRC 	1013	Freshman Composition I	3	 PHY 	1951	Physics for SCI/EGR I Lab	1
				 CORE 		American History	3
Semester Total			15	Semester Total			16

Recommended Program of Study

2015-16

SEMESTER III			SEMESTER IV				
EGR	2103	Statics	3	EGR	2513	Dynamics	3
EGR	2323	Applied Engineering Analysis I	3	EGR	3323	Applied Engineering Analysis II	3
PHY	1963	Physics for SCI/EGR II	3	ME	2173	Numerical Methods	3
PHY	1971	Physics for SCI/EGR II Lab	1	ME	3244	Materials Engineering & Lab	4
EGR	1403	Tech. Comm. (or other Core options)	3	ME	3293	Thermodynamics I	3
		Math/Science Elective	3				
Semester Total			16	Semester Total			16

Recommended Program of Study

2015-16

SEMESTER V				SEMESTER VI			
EE	2213	Electric Circuits & Electronics	3	ME	3113	Measurements & Instrumentation	3
ME	3543	Dynamic Systems & Control	3	ME	3263	Manufacturing Engineering	3
ME	3663	Fluid Mechanics	3	ME	3823	Machine Element Design I	3
ME	3813	Mechanics of Solids	3	ME	4313	Heat Transfer	3
ME	4293	Thermodynamics II	3	POL	1013	Intro to American Politics	3
CORE		Lang, Phil, & Culture	3	CORE*		Creative Arts	3
Semester Total			18	Semester Total			18

Recommended Program of Study

2000-02

SEMESTER VII				SEMESTER VIII			
ME	4543	Mechatronics	3	ME	4813	Senior Design II	3
ME	4733	Mechanical Engineering Lab	3	ME		Technical Elective	3
ME	4812	Senior Design I	2	ME		Technical Elective	3
POL	1133	Texas Politics	3	CORE		American History	3
ME		Technical Elective	3	CORE		Social & Behavioral Sciences	3
Semester Total			14	Semester Total			15
						Total Required Degree Hours	128