

Courses that do not count for Engineering Elective Credit for Chemical Engineers
Updated by BK 03/22/2019
Approved by SMW 3/22/2019

Aerospace Engineering Courses

- AE 211. Computing for Engineers. 3 Hours.
- AE 221. Introduction to Global History of Aerospace Technologies. 1-3 Hours.
- AE 241. Private Flight Course. 1 Hour.
- AE 242. Private Flight Aeronautics. 3 Hours.
- AE 245. Introduction to Aerospace Engineering. 3 Hours.
- AE 290. Aerospace Colloquium. 0.25 Hours.
- AE 292. Aerospace Industrial Internship. 1 Hour.
- AE 345. Fluid Mechanics. 3 Hours.
- AE 390. Aerospace Industrial Internship. 1 Hour.
- AE 441. Advanced Flight Training. 1-3 Hours.
- AE 490. Aerospace Industrial Internship. 1 Hour.
- AE 590. Aerospace Senior Seminar. 1 Hour.

BioEngineering Courses

- BIOE 800. Bioengineering Colloquium. 0.5-1 Hours.
- BIOE 801. Responsible Conduct of Research in Engineering. 1 Hour.
- BIOE 802. Bioengineering Internship. 1-6 Hours.

Chemical & Petroleum Engineering Courses

- C&PE 111. Introduction to the Chemical Engineering Profession. 2 Hours.
- C&PE 117. Energy in the Modern World. 1 Hour.
- C&PE 121. Introduction to Computers in Engineering. 3 Hours.
- C&PE 127. Introduction to Petroleum Engineering Profession. 1 Hour.
- C&PE 211. Material and Energy Balances. 4 Hours.
- C&PE 221. Chemical Engineering Thermodynamics. 3 Hours.
- C&PE 325. Numerical Methods and Statistics for Engineers. 3 Hours.
- C&PE 511. Momentum Transfer. 3 Hours.
- C&PE 512. Chemical Engineering Thermodynamics II. 3 Hours.
- C&PE 521. Heat Transfer. 3 Hours.
- C&PE 522. Economic Appraisal of Chemical and Petroleum Projects. 2 Hours AE51.
- C&PE 523. Mass Transfer. 4 Hours.
- C&PE 524. Chemical Engineering Kinetics and Reactor Design. 3 Hours.
- C&PE 613. Chemical Engineering Design I. 4 Hours AE61.
- C&PE 615. Introduction to Process Dynamics and Control. 3 Hours.
- C&PE 616. Chemical Engineering Laboratory I. 3 Hours.
- C&PE 623. Chemical Engineering Design II. 2 Hours AE61.
- C&PE 624. Process Safety and Sustainability. 3 Hours AE51.
- C&PE 626. Chemical Engineering Laboratory II. 3 Hours GE22.

Civil, Environmental & Arch Engineering Courses

- ARCE 101. Introduction to Architectural Engineering. 2 Hours.
- CE 191. Introduction to Civil Engineering. 2 Hours.
- CE 330. Fluid Mechanics. 3 Hours.
- CE 331. Fluid Mechanics Lab. 1 Hour.

Electrical Engineering and Computer Science Courses

EECS 137. Visual Basic for Engineers. 3 Hours.

EECS 138. Introduction to Computing: _____. 3 Hours NM.

EECS 101. New Student Seminar. 1 Hour.

Engineering Physics Courses

EPHX 615. Numerical and Computational Methods in Physics. 3 Hours.

EPHX 623. Physics of Fluids. 3 Hours.

EPHX 671. Thermal Physics. 3 Hours.

Mechanical Engineering Courses

ME 208. Introduction to Digital Computational Methods in Mechanical Engineering. 3 Hours.

ME 312. Basic Engineering Thermodynamics. 3 Hours.

ME 510. Fluid Mechanics. 3 Hours.

ME 612. Heat Transfer. 3 Hours.

Navy Courses

NAVY 180: Intro to Naval Ships Systems I. 3 Hours.

ALL CMGT Courses**All ENGR courses****All Engineering Management (EMGT, PMGT) Courses**