

CHEMICAL ENGINEERING MINOR

Overview

Chemical engineering combines principles of chemistry, physics, biology, and mathematics to design processes that economically and sustainably meet human needs for energy, food, healthcare, and technology. Chemical engineers are not only leaders in traditional chemical, oil and gas, and brewing industries, but they are also at the forefront of advancements in pharmaceutical discovery and production, renewable energy, biotechnology, and environmental protection. The Chemical Engineering minor will provide a foundation in the core principles of chemical engineering, with students having the skills to assess chemical and/or biochemical processes with basic knowledge of core chemical engineering fundamentals. These core fundamentals surround material and energy balances, transport phenomena, and chemical thermodynamics.

Requirements

Minor Specific Requirements:

Students can earn a minor in Chemical Engineering through completion of the following courses with a minimum 2.000 cumulative grade point average.

Course ID	Title	Credits
Required Core Courses:		
CENG 2110	Matl & Energy Balances	3
CENG 2120	Thermodynamics I	3
CENG 2320	Transport I: Fluids	3
Choose a minimum of 9-credit hours of CENG coursework at the 3000-level or above.		9

- A minimum grade of C- must be earned in the three core courses in order to receive credit for the minor.
- Biomedical engineering majors are allowed to substitute BMEN 3440 Biofluid Mechanics (3 c.h.) for CENG 2320 Transport I: Fluids (3 c.h.), Engineering physics majors are allowed to substitute ENGP 2120 Engineering Thermodynamics (3 c.h.) for CENG 2120 Thermodynamics I (3 c.h.), and Civil Engineering - Water and Environment majors are allowed to substitute RCSE 3010 Fluid Mechanics (3 c.h.) for CENG 2320.
- Twenty-four credits in the major may not overlap with the minor. Students are not permitted to share credits between minors.

Field of Study: CENG

Contact

For more information, contact the School of Science and Engineering (<https://sse.tulane.edu/cbe/about>).