



What does a chemical engineer do?

Undergraduate

- » [Chemical Engineering](#)
- » [Requirements](#)
- » [Courses](#)
- » [Critical Courses](#)
- » [Major Checklist](#)
- » [4-Year Plan](#)
- » [Transfer Plan](#)
- » [International Students](#)
- » [Dual Degree in Chemistry & Chemical Engineering](#)
- » [Specialty Minors](#)

Masters

Doctoral

[Home](#) » [Programs](#) » [Undergraduate](#) » [Chemical Engineering](#)

Major Checklist

Use this list to check off all of the courses you need to take and have taken. For more information, contact your advisor.

Chemical Engineering Courses

- CHEE 101 Introduction to Chemical Engineering
- CHEE 201 Chemical Engineering Calculations
- CHEE 210 Engineering Analysis
- CHEE 302 Transfer Operations
- CHEE 310 Chemical Engineering Thermodynamics
- CHEE 317 Materials of Engineering
- CHEE 400 Process Simulation
- CHEE 401 Stage Operations Design
- CHEE 402 Corrosion Engineering
- CHEE 403 Chemical Engineering Lab I
- CHEE 404 Chemical Engineering Lab II
- CHEE 405 Process Heat Transfer
- CHEE 407 Plant Design and Economics for Chemical Engineers
- CHEE 408 Computer-Aided Process Design
- CHEE 413 Chemical Process Control
- CHEE 416 Biochemical Engineering
- CHEE 420 Chemical Reaction Engineering

General Engineering Courses

- ENGR 201 Electrical Circuits
- ENGR 218 Statics and Mechanics of Materials
- ENGR 301 Thermodynamics
- ENGR 305 Transport Phenomena

Sciences

Biology



Looking for guidance on prerequisites for required Undergraduate courses?

Download the Curriculum:

- [4-Year Plan 2015-2016](#)
- [4-Year Plan 2016-2017](#)
- [4-Year Plan 2017-2018](#)
- [4-Year Plan 2018-2019](#)

Download the Flowchart:

- [4-Year Plan 2015-2016](#)
- [4-Year Plan 2016-2017](#)
- [4-Year Plan 2017-2018](#)
- [4-Year Plan 2018-2019](#)

Looking for guidance on approved electives?

[Download the list of approved electives.](#)

Looking for CEEB and CLEP Credit List?

[Download CEEB \(AP\) and CLEP Credit List Fall 2015](#)

- 1 Biology elective (chosen from BIOL 110, 111, 121, 122, 300, 303, or 304)

Chemistry

- CHEM 107 General Chemistry I
- CHEM 108 General Chemistry II
- CHEM 115 General Chemistry Lab
- CHEM 221 Analytical Chemistry
- CHEM 231 Organic Chemistry I
- CHEM 232 Organic Chemistry II
- CHEM 233 Organic Chemistry Lab I
- CHEM 234 Organic Chemistry Lab II
- CHEM 302 Physical Chemistry II
- CHEM 317 Biochemistry I
- CHGEM 402 Chemistry of Materials

Math

- MATH 270 Calculus I
- MATH 301 Calculus II
- MATH 302 Calculus III
- MATH 350 Differential Equations

Physics

- PHYS 201 General Physics I
- PHYS 215 General Physics Lab I

General Education Courses

Arts

- DANC 101, 102, 113, 114
- DSGN 121
- MUS 104 (309), 105 (300), 106 (301), 108 (303), 109 (304), 321, 322, 323, 324, 325, 326, 360, 364
- THEA 161, 261
- VIAR 120, 121, 122

Literature

- Any course in ENGL or MODL that focuses on literary texts, i.e., poetry, fiction, drama, or the essay; does not include linguistics or language courses.

Communication

- CMCN 310 Public Speaking

English

- ENGL 101 Intro to Academic Writing
- ENGL 102 Writing & Research About Culture
- 1 literature elective

Economics

- ECON 430 Industrial Economics and Finance

History

- Any course in HIST except 490

Behavioral Science

- ANTH (any course)
- ECON (any course)
- GEOG (any course)
- POLS (any course)
- PSYC (any course)
- SOCI (any course)
- CJUS (any course)

Philosophy

- PHIL 316 Professional Ethics

UNIV

- UNIV 100 Cajun Connection



Department of Chemical Engineering
Madison Hall, Room 217
131 Rex St., Lafayette, LA 70503
(337) 482-6562 | chemical@louisiana.edu

@Louisiana Newsletter

Enter your email address

SIGN UP

Connect with Us



[A Member of the UL System](#)

[IT Help & Support](#)

[Web Accessibility](#)

[Privacy Policy](#)

[Emergency Info](#)

[Donate](#)

© 2019 University of Louisiana at Lafayette. All rights reserved.