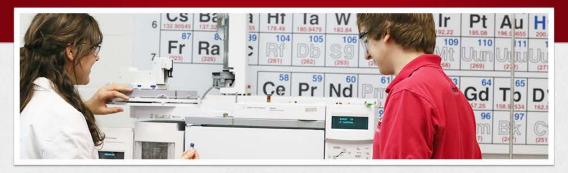
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What does a chemical engineer do?

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# **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**

