

CHEMICAL ENGINEERING

2019–2020 ACADEMIC YEAR

Name: _____

I.D. Number: _____

CORE OF DISCOVERY (39)

- _____ First Year Seminar (2)
- _____ LENG 111 College Composition (3)
- _____ LENG 112 Critical Analysis & Composition (3)
- _____ LENG Literature Series (3)
- _____ LTHE 101 Foundations Theology/Morality (3)
- _____ LTHE 201 The Bible: An Introduction (3)
- _____ LPHI 131 Introduction to Philosophy (3)
- _____ LPHI Philosophy II Series* (3)
- _____ LPHI 237 or any 300-level LTHE course (3)
- _____ LFIN Fine Arts Series* (3)
- _____ LHST 111 History Without Borders (3)
- _____ SPCH 111 or SPCH 113 (3)
- _____ **Social Science Elective**‡** (0)
- _____ LBST 383 Senior Seminar (3)
- _____ Leadership Seminar (1)

* Refer to Undergraduate Catalog for course options.

‡ Take Social Science at University of Pittsburgh.

MATHEMATICS (18)

- _____ MATH 140 Calculus I (3)
- _____ MATH 141 Calculus II (3)
- _____ MATH 242 Calculus III (3)
- _____ MATH 243 Calculus IV (3)
- _____ MATH 304 Differential Equations (3)
- _____ MATH 312 Applied Statistics (3)

PHYSICS (8)

- _____ PHYS 210 Fundamentals of Physics I (3)
- _____ PHYS 211 Fundamentals of Physics I Lab (1)
- _____ PHYS 212 Fundamentals of Physics II (3)
- _____ PHYS 213 Fundamentals of Physics II Lab (1)

CHEMISTRY (32)

- _____ CHEM 111 General Chemistry I (3)
- _____ CHEM 112 General Chemistry I Lab (1)
- _____ CHEM 114 General Chemistry II (3)
- _____ CHEM 115 General Chemistry II Lab (1)
- _____ CHEM 221 Organic Chemistry I (3)
- _____ CHEM 222 Organic Chemistry I Lab (1)
- _____ CHEM 224 Organic Chemistry II (3)
- _____ CHEM 225 Organic Chemistry II Lab (1)
- _____ CHEM 331 Physical Chemistry I (3)
- _____ CHEM 332 Physical Chemistry I Lab (1)
- _____ CHEM 334 Physical Chemistry II (3)
- _____ CHEM 335 Physical Chemistry II Lab (1)
- _____ CHEM 336 Intro to Modern Analy Chem (3)
- _____ CHEM 337 Intro to Modern Analy Chem Lab (2)
- _____ CHEM 366 Structural Biochemistry (3)

ENGINEERING (6)

- _____ ME 207 Engineering Computer Graphics (2)
- _____ ME 208 Engineering Computer Graphics Lab (1)
- _____ ME 315 Material Science (3)

To complete B.S. Chemistry degree requirements, the following courses are to be taken at the University of Pittsburgh and transferred back to Gannon: Social Science plus additional credits to make 128 credits.

Total Credits at Gannon University: 103
Effective Date: Fall 2019

CHEMICAL ENGINEERING

2019–2020 ACADEMIC YEAR

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I.D. Number: _____

FRESHMAN

Fall (18 credits)

- 3 CHEM 111: General Chemistry I
- 1 CHEM 112: General Chemistry I Lab
- 3 MATH 140: Calculus I
- 2 ME 207: Engineering Graphics
- 1 ME 208: Engineering Graphics Lab
- 3 LENG 111: College Composition
- 3 LHST 111: History without Borders
- 2 First-Year Seminar

Spring (17 credits)

- 3 CHEM 114: General Chemistry II
- 1 CHEM 115: General Chemistry II Lab
- 3 MATH 141: Calculus II
- 3 PHYS 210: Fundamentals of Physics I
- 1 PHYS 211: Fundamentals of Physics I Lab
- 3 LPHI 131: Introduction to Philosophy
- 3 LTHE 101: Foundations of Theology and Morality

SOPHOMORE

Fall (16 credits)

- 3 CHEM 221: Organic Chemistry I
- 1 CHEM 222: Organic Chemistry I Lab
- 3 MATH 242: Calculus III
- 3 ME 315: Materials Science
- 3 LENG 112: Critical Analysis & Composition
- 3 LTHE 201: The Bible

Spring (17 credits)

- 3 CHEM 224: Organic Chemistry II
- 1 CHEM 225: Organic Chemistry II Lab
- 3 MATH 243: Calculus IV
- 3 PHYS 212: Fundamentals of Physics II
- 1 PHYS 213: Fundamentals of Physics II Lab
- 3 LFIN: Fine Arts Series
- 3 LPHI: Philosophy II Series

JUNIOR

Fall (17 credits)

- 3 CHEM 331: Physical Chemistry I
- 1 CHEM 332: Physical Chemistry I Lab
- 3 CHEM 366: Structural Biochemistry
- 3 MATH 312: Applied Statistics
- 3 LPHI 237 or any 300-level LTHE course
- 3 SPCH 111: Public Speaking
- 1 Leadership Seminar

Spring (18 credits)

- 3 CHEM 334: Physical Chemistry II
- 1 CHEM 335: Physical Chemistry II Lab
- 3 CHEM 336: Intro to Modern Analytical Chemistry
- 2 CHEM 337: Intro to Modern Analytical Chemistry Lab
- 3 MATH 304: Differential Equations
- 3 LENG: Literature Series
- 3 LBST 383: Senior Seminar

TOTAL AT GANNON UNIVERSITY = 103 CREDITS

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