## Recommended Curriculum

for Students Matriculated in Fall 2020 or Later


| CHE 112 | Introduction to Chemical Engineering II | 3 |
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| CHY 122 | General Chemistry II | 3 |
| CHY 124 | General Chemistry Laboratory II | 1 |
| MAT 127 | Calculus II | 4 |
| PHY 122 | Physics for Engineers and Physical | 4 |
|  | Scientists II |  |
| ENG 101 | College Composition | 3 |
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Second Year - Second Semester
CHE 385 Chemical Engineering Thermodynamics I 3
CHE 350 Statistical Process Control and Analysis 3
CHY 252 Organic Chemistry II 3
MAT 258 Introduction to Differential Equations with 4
Linear Algebra
Human Values \& Soc. Context Elective $3^{1} \quad 3$

Third Year - Second Semester
CHE 361 Chemical Engineering Laboratory I 3
CHE 362 Elements of Chemical Engineering II 4
CHE 368 Kinetics and Reactor Design 4
Technical Elective $1^{2} \quad 3$

Fourth Year - Second Semester
CHE 479 Chemical Engineering Design Projects 3
CHE 493 Chemical Engineering Seminar 1
Technical Elective $3^{2} \quad 3$
Human Values \& Soc. Context Elective $5^{1} \quad 3$

Total Credits Required for Graduation $=120$
${ }^{1}$ The Human Values \& Social Context Electives ( $\mathbf{1 5}$ credits) must be selected to meet the University of Maine General Education requirements. These should be selected from a list of approved courses to satisfy each of the five sub-categories: western cultural tradition, social context and institutions, cultural diversity and international perspectives, population and the environment, and artistic and creative expression. Some courses cover more than one sub-category. These selected electives ( 15 credits) and ENG 320 ( 3 credits) satisfy the 18credit requirement for University of Maine General Education.
${ }^{2}$ The Technical Electives ( $\mathbf{9}$ credits) should be upper level (300 level or higher) engineering, mathematics or science courses. A list of approved courses is available at the Department Office or at https://umaine.edu/chb/undergraduate-programs/tech-electives/. Students may also select other courses with approval of the Department Curriculum Committee.

## Ethics

The course sequence CHE 477, CHE 479 and CHE 493 satisfies the University of Maine General Education requirements for ethics.

