

Math, Physics, Chemistry and Computer Science Requirements

- MATH 181 Calculus I
- MATH 182 Calculus II
- MATH 281 Calculus III
- MATH 302 Differential Equations
- PHYS 174 Introductory Physics I (Calc)
- PHYS 184 Introductory Physics II (Calc)
- PHYS 263 Modern Physics
- PHYS 353 Intermediate Lab
- PHYS 363 Mathematical Physics
- CHEM 140 General Chemistry I
- CHEM 160 General Chemistry II
- CSCI 159 Introduction to Programming

In addition, students must complete the following courses depending on the area of specialization:

Chemical Engineering:

At least two courses from:

- CHEM 200 Organic Chemistry I
- CHEM 210 Organic Chemistry II
- CHEM 240 Quantitative Analysis
- CHEM 310 Physical Chemistry—Dynamics
- CHEM 320 Physical Chemistry—Structure

Computer Engineering:

- CSCI 169 Data Structures
- PHYS 243 Digital Electronics
- CSCI 139 Web Design and Development
- *or*
- CSCI 179 Programming in Visual Basic

All other fields:

At least two courses from:

- PHYS 213 Analog Electronics
- PHYS 243 Digital Electronics
- PHYS 223 Thermophysics
- PHYS 253 Statics and Dynamics
- PHYS 343 Electromagnetic Fields and Waves
- MATH 211 Elementary Statistics
- MATH 291 Linear Algebra