# Academic Degree Map

## Chemical Engineering

### Associate of Science

#### COURSE | CREDITS | COMPLETED
--- | --- | ---
MAT 210: Calculus I* (Required Common Core: Mathematical and Quantitative Reasoning) | 4 | ☐
ENG 110: Expository Writing (Required Common Core: English Composition) | 3 | ☐
CHE 210: General Chemistry I* (Required Common Core: Life and Physical Sciences) | 4 | ☐
**FLEXIBLE COMMON CORE: WORLD CULTURES AND GLOBAL ISSUES:**
HUM 100** | 3 | ☐
**FLEXIBLE COMMON CORE: INDIVIDUAL & SOCIETY:**
SOC 101 OR PSY 101** | 3 | ☐

**TOTAL CREDITS 17**

#### COURSE | CREDITS | COMPLETED
--- | --- | ---
ENG 111: Literature and Composition (Required Common Core: English Composition) | 3 | ☐
CHE 220: General Chemistry II* (Flexible Common Core: Scientific World) | 4 | ☐
**FLEXIBLE COMMON CORE: US EXPERIENCE IN ITS DIVERSITY:**
HIS 210 or HIS 211** | 3 | ☐
MAT 220: Calculus II* | 4 | ☐
**FLEXIBLE COMMON CORE: CREATIVE EXPRESSION:**
COM 110** | 3 | ☐

**GET AHEAD! TAKE CLASSES DURING THE SUMMER**

**TOTAL CREDITS 17**

#### COURSE | CREDITS | COMPLETED
--- | --- | ---
MAT 310: Calculus III* | 4 | ☐
CHE 228: Introduction to Chemical Engineering Principles & Practices*** | 5 | ☐
CHE 310: Organic Chemistry I* (Flexible Common Core: Scientific World) Offered in the fall only. | 3 | ☐
CHE 312: Organic Chemistry Lab I* (offered in the fall only) | 2 | ☐
PHY 210: General Physics I* | 4 | ☐

**TOTAL CREDITS 18**

#### COURSE | CREDITS | COMPLETED
--- | --- | ---
MAT 320: Linear Algebra & Vector Analysis* | 3 | ☐
MAT 360: Ordinary Differential Equations* | 3 | ☐
CHE 320: Organic Chemistry II* (offered in the spring only) | 3 | ☐
PHY 220: General Physics II* | 4 | ☐
ENG 202: Technical Writing | 3 | ☐

**TOTAL CREDITS 16**

**TOTAL CREDITS 68**

---

**Passing Grade Requirement:**

*MAT 210, MAT 220, MAT 310, MAT 320, MAT 360, CHE 210, CHE 220, CHE 310, CHE 312, CHE 320, PHY 210 AND PHY 220 REQUIRE A MINIMUM PASSING GRADE OF "C."

A 2.7 OVERALL GPA AND A 2.5 MATH AND SCIENCES GPA ARE REQUIRED TO TRANSFER TO THE CITY COLLEGE OF NEW YORK GROVE SCHOOL OF ENGINEERING. IT IS ONLY OFFERED IN THE FALL.

**Course(s) Strongly Recommended:**

**CHE 228 WILL BE TAKEN AS AN EPERMIT AT THE CITY COLLEGE OF NEW YORK GROVE SCHOOL OF ENGINEERING.**