

B.S. – Chemistry (Engineering Concentration)

Dual Degree Options:

Stockton: BS Chemistry; NJIT, Rowan or Rutgers: BS in Chemical Engineering

Stockton: BS Chemistry; NJIT: Master in Pharmaceutical Engineering**

**This option requires an additional application

Core Course Requirements: 80 credits

- MATH 2215 Calculus I (5)
- MATH 2216 Calculus II (5)
- MATH 2217 Calculus III (5)
- MATH 3328 Differential Equations (4)
- CHEM 3310 Lab Methods I (4)
- CHEM 3410 Physical Chemistry I **OR** (4)
CHEM 3110 Inorganic Chemistry (Master only)
- CHEM 3320 Lab Methods II (4)
- ENGN 4600 Engineering Seminar (3rd & 4th yrs) (0)
- PHYS 2410 Problem Solving using MATLAB (2)
- CHEM 2110/15 Chemistry I w/lab (5)
- CHEM 2120/25 Organic Chemistry II w/lab (5)
- CHEM 2130/35 Chemistry III Organic Reactions (4)
- CHEM 2140/45 Chemistry IV Theory & Application (4)
- PHYS 2220/25 Physics I w/lab (6)
- PHYS 2300 Statics (Rutgers BS only) **OR** (4)
PHYS 3200 Mechanics of Materials (Master only)



Chemical Engineering courses to be transferred back from Rutgers, Rowan or NJIT

Additional Engineering Courses (Transferred) (24)

- | | |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

At Some Distance Electives: 16 credits

Courses unrelated to your major

- GEN 2180 Engineering Graphics and CAD (4)
- CSIS 2101 Programming and Problem Solving I (4)
- MGMT 3110 Intro to Management (4)
- ECON 1400 Introduction to Microeconomics (4)

General Studies Requirements: 48 credits Total

32 Credits in 'G' Category Courses

No more than 12 credits in any "G" category may be applied towards the BS degree

- FRST 1120 Rhetoric & Composition
- GIS–General Integration & Synthesis – up to 4 credits*
- GAH–General Arts and Humanities
- GAH/GSS Freshman Seminar
- GSS–General Social Science**
- Upper level GSS/GAH** _____

8 transferred engineering credits

*Must be taken junior or senior year

** Student must complete 2 GSS and 2 GAH courses

Quantitative Reasoning Requirements (3 courses)

Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton

Q1 _____ Q2 _____ Q1 or Q2 _____

General Studies Outcome Requirement

These courses are listed as attributes and should be completed within the 128 credits needs to graduate.

- | | |
|--|--|
| Arts (A) <input type="checkbox"/> | Historical Consciousness (H) <input type="checkbox"/> |
| Values/Ethics (V) <input type="checkbox"/> | International/Multicultural (I) <input type="checkbox"/> |

Writing Requirement (4 courses)

Two W1 courses may be in transfer. W2 courses must be taken at Stockton

W1 _____ W1/W2 _____

W1/W2 _____

W1/W2–3000 level _____