

B.S. – APPLIED PHYSICS (Engineering Concentration)

Stockton: BS in Physics; NJIT, Rowan or Rutgers: BS in Engineering

(The possible Engineering fields are list on the back)

Core Course Requirements: 80 credits

- PHYS 2220/25 Physics I w/lab (6)
- PHYS 2230/35 Physics II w/lab (6)
- PHYS 2300 Statics (4)
- PHYS 2600 Colloquium (0)
- PHYS 3010 Physics III (5)
- PHYS 3220 Mechanics (5)
- PHYS 3000 Elective (4)
- PHYS 2410 Problem Solving using MATLAB (2)
- CHEM 2110/15 Chemistry I w/lab (5)
- MATH 2215 Calculus I (5)
- MATH 2216 Calculus II (5)
- MATH 2217 Calculus III (5)
- MATH 3328 Differential Equations (4)
- ENGN 4600 Engineering Seminar (3rd & 4th yrs) (0)

Choose ONE/TWO of the following courses based on the engineering field

- MATH 2225 Discrete Math (EE & CoE) (4)
- PHYS 3120 Electrical Circuits (EE & CoE) (4)
- PHYS 3200 Mech. of Materials (ME, CE, IE, ME ESM) (4)

Choose ONE of the following courses

- PHYS 3110 Electronics (4)
- PHYS 3340 Optics (4)

Additional Program Courses (0-4)

- _____ _____

Additional Engineering Courses (Transferred) (24)

- _____ _____
- _____ _____
- _____ _____
- _____ _____

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



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 2110 Intro to Management (4)
- ECON 1400 Introduction to Microeconomics (4)

General Studies Outcome Requirement

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

- Arts (A) Historical Consciousness (H)
- Values/Ethics (V) International/Multicultural (I)

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 _____

Quantitative Reasoning Requirements (3 courses)

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

Q1 _____ Q2 _____ Q1 or Q2 _____