

**Lock Haven University
Department of Geology and Physics
PHYSICS: PRE-ENGINEERING Track
Suggested Course Sequence**

Fall Freshman (example)

ENGL100: Composition (3)
SCII19: First Year Student Seminar (1)
MATH141: Calculus I (3)
CHEM120: Principles of Chemistry (4)

PHYS105: Engineering Graphics (3)
General Education (3)

Credit Total: 17

Spring Freshman (example)

CHEM121: Principles of Chemistry II (4)
MATH142: Calculus II (3)
PHYS170: Intermediate General Physics I (4)
ECON102: Principles of Macroeconomics or
ECON103: Principles of Microeconomics (3)
General Education (3)

Credit Total: 17

Fall Sophomore (example)

MATH211: Linear Methods (3)
MATH243: Calculus III (3)

PHYS171: Intermediate General Physics II (4)
COMP160: Programming I (3)
General Education (3)

Credit Total: 16

Spring Sophomore (example)

MATH244: Calculus IV (3)
PHYS290: Electronics (4)
or PHYS325: Optics (4)
PHYS330: Mechanics I (3)
General Education (6)

Credit Total: 16

Fall Junior (example)

MATH301: Differential Equations (3)
PHYS315: Modern Physics (4)
PHYS331: Mechanics II (3)
PHYS370: Electricity and Magnetism (3)
General Education (3)

Credit Total: 16

Spring Junior (example)

PHYS250: Heat (3)
PHYS345: Math. Methods of Physics (2)
PHYS350: Quantum Mechanics (3)
General Education (9)

Credit Total: 17

Fall Senior (example)

_____ at the engineering school _____

Credit Total: _____

Spring Senior (example)

_____ at the engineering school _____

Credit Total: _____