

Engineering Physics, B.S. (EPHY) Major

School of Arts and Sciences - Department of Chemistry and Physics

Sequence Sheet for 2011-2012

First Semester - Fall 2011 (16 hours)

- ___ BIBL 1043 Biblical Foundations For Living
- ___ CHEM 1111 General Chemistry I Lab (Fall only)
- ___ CHEM 1113 General Chemistry I (Fall only)
- ___ ENGL 1013 English Composition I
- ___ KINE 1512 Concepts Of Lifetime Fitness
- ___ LETU 1101 Cornerstones Of Life And Learning
- ___ MATH 1903 Calculus I
- ___ Fulfill English Proficiency Requirement (0 hours)

Second Semester - Spring 2012 (17 hours)

- ___ BIBL 1033 Biblical Literature
- ___ CHEM 1121 General Chemistry II Lab (Spring only)
- ___ CHEM 1123 General Chemistry II (Spring only)
- ___ ENGL 1023 English Composition II
- ___ MATH 2013 Calculus II
- ___ PHYS 2011 University Physics I Lab (Spring only)
- ___ PHYS 2013 University Physics I (Spring only)

Third Semester - Fall 2012 (16 hours)

- ___ COSC 1303 Computer Science I
- ___ EEGR 2053 Electric Circuits
- ___ MATH 2023 Calculus III
- ___ MEGR 2013 Statics
- ___ PHYS 2021 University Physics II Lab (Fall only)
- ___ PHYS 2023 University Physics II (Fall only)

Fourth Semester - Spring 2013 (17 hours)

- ___ EEGR 2063 Electric Circuits II (Spring only)
- ___ MATH 2203 Differential Equations
- ___ MEGR 2023 Dynamics
- ___ PHYS 3214 Relativity and Quantum Theory (Spring, Odd years only)
- ___ PHYS 3951 Intro. To Research (Spring only)
- ___ BIBL Jr.-Sr. Level Elective (3 hours)

Fifth Semester - Fall 2013 (16 hours)

- ___ EEGR 4513 Electromagnetic Fields And Waves (Fall only)
- ___ MATH 3303 Linear Algebra
- ___ MEGR 3714 Fundamental and Applied Thermodynamics (1)
- ___ PHYS 3323 Atoms, Nuclei, and Particles (Fall, Odd years only)
- ___ PHYS 4253 Advanced Quantum Mechanics (Fall, Odd years only)

Sixth Semester - Spring 2014 (17 hours)

- ___ COMM 1113 Intro. To Speech Communication
- ___ EEGR 3213 Digital Electronics
- ___ MEGR 3323 Mechanics Of Materials (Spring only)
- ___ PHYS 4414 Optics (Spring, Even years only)
- ___ PHYS 4951 Undergraduate Research
- ___ HIST History Elective (3 hours)

Seventh Semester - Fall 2014 (16 hours)

- ___ PHYS 4113 Advanced Mechanics (Fall, Even years only)
- ___ PHYS 4951 Undergraduate Research
- ___ PSYC 2013 Intro. To Psychology
- ___ BIBL Jr.-Sr. Level Elective (3 hours)
- ___ ENGL Literature Elective (3 hours)
- ___ Science or Engineering Elective (3 hours)

Eighth Semester - Spring 2015 (14 hours)

- ___ HUMA 1153 Intro. To Fine Arts
- ___ KINE Physical Activities
- ___ PHIL 2013 Intro. To Philosophy (2)
- ___ PHYS 4811 Senior Science and Christian Faith Seminar (Spring only)
- ___ ENGL Literature Elective (3 hours)
- ___ Science or Engineering Elective (3 hours)

Total hours: 129

Notes:

The Science or Engineering Elective is any 3000 or 4000 level course in Chemistry, Physics, or Engineering for which the prerequisites have been met.

- 1: This course may be replaced by CHEM 4113 Physical Chemistry I and CHEM4111 Physical Chemistry I Lab.
- 2: PHIL 2063 Ethics (Spring) may be substituted for PHIL 2013.