

Physics Bachelor of Science with Applied Emphasis Plan

The suggested schedule shown below should be used in conjunction with the major requirement sheet at:
<http://www.usu.edu/majorsheets/>

Students should consult with their advisor to develop an individualized plan of study which is applicable to their interests and degree track.

Freshman Year (30 credits)

Fall Semester (15 credits)

PHYS 2210 (QI) General Physics—Science and Engineering I.....	4
MATH 1210 (QL) Calculus I	4
University Studies Breadth courses.....	6
Elective course	1

Spring Semester (15 credits)

PHYS 2220 (BPS/QI) General Physics—Science and Engineering II.....	4
MATH 1220 (QL) Calculus II	4
ENGL 1010 (CL1) Introduction to Writing: Academic Prose	3
University Studies Breadth course	3
Elective course	1

Sophomore Year (31 credits)

Fall Semester (15 credits)

PHYS 2500 Introduction to Computer Methods in Physics	2
PHYS 2710 Introductory Modern Physics	3
MATH 2210 (QI) Multivariable Calculus	3
College of Science sequence requirement.....	4
Elective course(s).....	3

Spring Semester (16 credits)

MATH 2250 (QI) Linear Algebra and Differential Equations.....	4
College of Science sequence requirement.....	4
University Studies Breadth courses.....	6
Elective course(s).....	2

Junior Year (30 credits)

Fall Semester (15 credits)

PHYS 3870 (CI) Intermediate Physics Laboratory	2
PHYS 3550 Intermediate Classical Mechanics	3
ENGL 2010 (CL2) Intermediate Writing: Research Writing in a Persuasive Mode	3
University Studies Breadth course	3
Elective technical course at 3000-level or higher	3
Elective course	1

Spring Semester (15 credits)

PHYS 3880 (CI) Advanced Physics Laboratory	2
Elective technical course at 3000-level or higher	3
University Studies Depth course	3
Elective course(s).....	7

Senior Year (30 credits)

Fall Semester (15 credits)

PHYS 3600 Electromagnetism I.....	3
PHYS 4650 Optics I.....	3
Elective technical course	3
University Studies Depth course	3
Elective course(s).....	3

Spring Semester (15 credits)

PHYS 3700 Thermal Physics	3
PHYS 4900 (CI) Research in Physics	2
Elective technical course	3
Elective courses	7