

Physics Bachelor of Science Degree 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 (31 credits)

Fall Semester (15 credits)

PHYS 2210 (QI) General Physics—Science and Engineering I.....	4
MATH 1210 (QL) Calculus I	4
College of Science sequence requirement.....	4
University Studies Breadth course	3

Spring Semester (16 credits)

PHYS 2220 (BPS/QI) General Physics—Science and Engineering II.....	4
MATH 1220 (QL) Calculus II	4
College of Science sequence requirement.....	4
University Studies Breadth course	3
Elective course	1

Sophomore Year (30 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
ENGL 1010 (CL1) Introduction to Writing: Academic Prose	3
University Studies Breadth course	3
Elective course	1

Spring Semester (15 credits)

MATH 2250 (QI) Linear Algebra and Differential Equations.....	4
PHYS 3710 Intermediate Modern Physics	3
University Studies Breadth courses.....	6
Elective course(s).....	2

Junior Year (30 credits)

Fall Semester (14 credits)

PHYS 3550 Intermediate Classical Mechanics	3
PHYS 3600 Electromagnetism I.....	3
PHYS 3870 (CI) Intermediate Physics Laboratory	2
ENGL 2010 (CL2) Intermediate Writing: Research Writing in a Persuasive Mode	3
University Studies Depth course	3

Spring Semester (16 credits)

PHYS 3880 (CI) Advanced Physics Laboratory (as elective credit).....	2
PHYS elective course (if not taken sophomore spring).....	3
University Studies Breadth course	3
University Studies Depth course	3
Elective courses	5

Senior Year (30 credits)

Fall Semester (15 credits)

PHYS 4650 Optics I (required if PHYS 3700 was not taken, or may be used as a physics elective).....	3
Elective courses	12

Spring Semester (15 credits)

PHYS 3700 Thermal Physics (3 cr) or Physics elective course at 3500-level or higher (3 cr).....	3
PHYS 4900 (CI) Research in Physics	2
Elective courses	10