

2014 - 2015 Old Dominion University Catalog

Bachelor of Science in Physics (Concentration B - Professional)

Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.

YEAR 1 - FRESHMAN (33 CREDITS)

FALL SEMESTER (17 credits)

General Education and Major Coursework:

MATH 211 (4 credits)
ENGL 110C
Language and Culture I
(May be waived, see catalog for details)
CS 150 (4 credits)
Oral Communication

SPRING SEMESTER (16 credits)

General Education and Major Coursework:

ENGL 211C or 231C
Human Creativity
Language and Culture II
(May be waived, see catalog for details)
MATH 212 (4 credits)
Human Behavior

YEAR 2 - SOPHOMORE (28 CREDITS)

FALL SEMESTER (14 credits)

General Education and Major Coursework:

CHEM 121N and 122N (4 credits)
Literature
Philosophy and Ethics
PHYS 231 (4 credits)

SPRING SEMESTER (14 credits)

General Education and Major Coursework:

CHEM 123N and 124N (4 credits)
Interpreting the Past
PHYS 232N (4 credits)
Impact of Technology

YEAR 3 - JUNIOR (31 CREDITS)

FALL SEMESTER (16 credits)

Major Coursework:

MATH 312 or 285 (4 credits)
MATH 307 or 280
PHYS 303
PHYS 319
PHYS 323

SPRING SEMESTER (15 credits)

Major Coursework:

MATH 316, 401, 421 or 422
PHYS 355
PHYS 413
PHYS 454
Elective

YEAR 4 - SENIOR (28 CREDITS)

FALL SEMESTER (13 credits)

General Education and Major Coursework:

PHYS 425
PHYS 452
PHYS 499W or 489W & 490W (C or better required)
PHYS 120 or 309 (1 credit)

Upper Division Gen. Ed. Coursework:

300-/400-level course (Option D)

Please consult with your ODU advisor for elective coursework.

Language and Culture may be waived, see ODU catalog for exemptions.

Note: Upper division general education (minor) has other options, see catalog for requirements.

Concentration B (Professional) is designed for students who wish to create a specialized program of study which combines a strong foundation in physics with strong preparation in another field. Such other fields include engineering, medicine, computer science, business, and communications, to name a few.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.