

2024 - 2025 Old Dominion University Catalog

Bachelor of Science in Physics with a Major in Secondary Physics Education (BS) (w/ VCCS Equivalencies)

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

<u>General Education and Major Coursework:</u> MATH 211 (4 credits) ENGL 110C	<u>VCCS Equivalency:</u> MTH 173, 263 or 273* ENG 111*	<u>General Education and Major Coursework:</u> MATH 212 (4 credits) ENGL 211C or 231C	<u>VCCS Equivalency:</u> MTH 174, 264, or 274* ENG 112, 210, 115 or 131* CSC 221 (If CSC 221 is taught in C++ , transfers as CS 150, if taught in Java, as CS 151, if taught in Python, as CS 153)*
Human Behavior	Transfer Equivalency Guide	CS 151 or 153 (4 credits)	Transfer Equivalency Guide
Human Creativity	Transfer Equivalency Guide	Literature <u>Professional Education Coursework:</u> STEM 103 (2 credits)	Transfer Equivalency Guide

YEAR 2 - SOPHOMORE (28 CREDITS)

FALL SEMESTER (14 credits)	SPRING SEMESTER (14 credits)
<u>General Education and Major Coursework:</u> CHEM 121N and 122N (4 credits) PHYS 261N, 231N, or 226N (4 credits) Information Literacy and Research: CS 120G or CS 121G or OEAS 130G <u>Professional Education Coursework:</u> STEM 201	<u>General Education and Major Coursework:</u> CHEM 123N and 124N (4 credits) PHYS 262N, 232N, or 227N (4 credits) Interpreting the Past <u>Professional Education Coursework:</u> STEM 202
<u>VCCS Equivalency:</u> CHM 111* See note below* Transfer Equivalency Guide	<u>VCCS Equivalency:</u> CHM 112* See note below* Transfer Equivalency Guide

YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (16 credits)	SPRING SEMESTER (16 credits)
<u>Major Coursework:</u> MATH 312 or 285 PHYS 323 PHYS 303 PHYS 355 Oral Communication	<u>Major Coursework:</u> MATH 307 or 280 PHYS 319 ASTP 103N or 104N** PHYS 468W Philosophy and Ethics
<u>VCCS Equivalency:</u> MTH 275 or 277* Transfer Equivalency Guide	<u>VCCS Equivalency:</u> MTH 267 or 279* Transfer Equivalency Guide

<u>General Education and Major Coursework:</u> PHYS 413 PHYS 425 PHYS 499W or 489W & 490W** PHYS 120 or 309 (1 credit) Impact of Technology <u>Professional Education Coursework:</u> STEM 401	<u>VCCS Equivalency:</u> Transfer Equivalency Guide	<u>Professional Education Coursework:</u> STEM 485 STEM 402 Elective**	<u>VCCS Equivalency:</u>
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