OLD DOMINION UNIVERSITY 2011-2012 Catalog
Bachelor of Science—Physics Major with Teacher Education Licensure
with VCCS equivalencies in (parentheses)
(* indicates not automatically waived with transferrable associates degree, C or better required for transfer. For specific science equivalencies for the various emphasis areas, please see transfer guide).

LOWER DIVISION GENERAL EDUCATION

A. Skills

Written Communication
ENGL 110C ____3 (ENG 111)
ENGL 211C or 231C ____3 (See transfer guide)

Oral Communication (satisfied in major)

Mathematics (satisfied in major)

Language and Culture
Proficiency through 102F ____0-6 (See transfer guide)

Information Literacy and Research
CS 120G or CS 121G ___________3

B. Ways of Knowing

Human Creativity ____3 (See transfer guide)
ARTH 121A, ARTS 122A, MUSC 264A, DANC 185A, THEA 241A, COMM/THEA 270A

Interpreting the Past ____3 (See transfer guide)
HIST 100H, 101H, 102H, 103H, 104H, or 105H

Literature ____3 (See transfer guide)
ENGL 112L, 114L, or FLET 100L

Philosophy & Ethics ____3 (See transfer guide)
PHIL 110P, 120P, 140P, 230E, 250E, 303E, 344E, 345E, 441E, or Philosopby & Ethics

The Nature of Science (satisfied in major)

Human Behavior ____3 (See transfer guide)
AAST 100S; ANTR 110S; COMM 200S; CRJS 215S; ECON 200S, 201S, 202S; FIN 210S, GEOG 100S, 101S; POLS 100S, 101S, 102S; PSYC 201S, 203S; SOC201S; WMST 201S

Impact of Technology
(satisfied by TLED 430 for teacher education)

Departmental Requirements

MATH 211 Calculus I ____4 (MTH 173, 273)*
MATH 212 Calculus II ____4 (MTH 174, 274)*
MATH 307 (280) Ordinary Differential Equations ONE ELECTIVE
CHEM 121N/122N-123N/124N ____8 (CHM 111 and 112)*
CHEM 137N-138N Accelerated General Chemistry I & II may be taken instead
CS 150 Problem Solving and Programming ____4 (CSC 201, EGR 126)*
PHYS 103N Intro Astronomy ____4 (NAS 131)*
PHYS 231N-232N University Physics ____8 (PHYS 231, 241 and PHYS 232, 242)*
PHYS 323 Modern Physics ____3 (PHYS 243)*
PHYS 319 Analytical Mechanics ____3
PHYS 320 Electricity and Magnetism ____3
Approved 300/400-level PHYS elective _________________3

PHYS 303 Laboratory ____3
PHYS 120 or 309 Seminar ____1
PHYS 413 Methods of Exp Physics ____3
PHYS 499W Senior Thesis ____3

Professional Education core:

TLED 301 Foundations and Assessment of Ed ____3
TLED 360 Classroom Management and Discipline ____3
SPED 406 St w/Diverse Learning Needs ____3
TLED 408 Reading and Writing in Content Area ____3
TLED 430 PK-12 Instructional Technology ____3
STEM 454 Devel. Instructional Strategies: Science ____3
TLED 483 Practicum Seminar in Education ____1
TLED 485 Student Teaching ____12
SPED 313 Human Growth and Development ____3

Admission. Students seeking admission to the teacher education program must have a 2.75 grade point average in the major, the professional education core and overall, with no grade less than a C- in the content area and the professional education core, and have passed Praxis I or achieved State Board of Education approved SAT or ACT scores. Although students may enroll in a limited number of education courses, passing Praxis I scores or approved equivalent test scores must be on file with the Office of Teacher Education Services and Advising prior to enrollment in any education practicum course or courses in developing instructional strategies. It is recommended that students take the Praxis I exam prior to or during enrollment of ECI 301.

Continuance. Students must maintain an overall grade point average of 2.75 and 2.75 in the academic major and the professional education core and complete all degree requirements for the major and in the professional education core with no grade less than a C- for continuance in the College of Education. In order to obtain a Virginia teaching license, all teacher education students must attain passing scores on the appropriate Praxis II specialty area tests. A list of the passing scores established by the Virginia Department of Education is available on the Virginia Department of Education website or the Office of Teacher Education Services and Advising, Education 152. The Praxis II Physics Content Examination and the Virginia Communications Literacy Assessment (VCLA) must be passed before the candidate may begin the teacher internship. Passing Praxis II and VCLA scores must be on file in the Office of Teacher Education Services and Advising prior to student teaching.

Graduation. Requirements for graduation include passage of the Exit Examination of Writing Proficiency; completion of the Senior Assessment; a minimum 2.75 grade point average overall, in the major and in the professional education core, with no grade less than a C- in the major and professional education core; and completion of a minimum of 134 credit hours. Passage of the Praxis II exam is required for teacher education licensure.

NOTE: Due to changing University requirements, national accreditation standards, and Commonwealth licensure regulations, the programs in the Darden College of Education are under constant revision. Any changes resulting from these factors supersede the program requirements described here or in the University catalog. Students should obtain current program information from their academic advisor and the Darden College of Education website at http://www.education.odu.edu.