

**LOWER DIVISION GENERAL EDUCATION**

**A. Skills**

Written Communication

ENGL 110C \_\_\_\_\_ 3 \_\_\_\_\_

ENGL 111C or 131C \_\_\_\_\_ 3 \_\_\_\_\_

Oral Communication \_\_\_\_\_ 3 \_\_\_\_\_

(Met in the major by MATH 317)

Mathematics \_\_\_\_\_ 6 \_\_\_\_\_

(Math 162M-163)

Foreign Language Skills \_\_\_\_\_ 0-6 \_\_\_\_\_

(Competence must be at the 102 level)

Computer Skills \_\_\_\_\_ 3 \_\_\_\_\_

(requires CS 150)

**B. Perspectives**

Fine and Performing Arts \_\_\_\_\_ 3 \_\_\_\_\_

ARTH 121A, ARTS 122A, MUSC 264A, DANC 185A, THEA 241A, COMM/THEA 270A

History \_\_\_\_\_ 3 \_\_\_\_\_

HIST 101H, 102H, 103H, 104H, or 105H \_\_\_\_\_ 3 \_\_\_\_\_

Literature \_\_\_\_\_ 3 \_\_\_\_\_

ENGL 112L, 144L, or FLET 100L

Philosophy \_\_\_\_\_ 3 \_\_\_\_\_

PHIL 110P, 120P, or 150P

(recommend PHIL 120P)

Natural Science and Technology

(Eight credit hours of Natural Science with labs in sequence.

Additionally, 3-4 credit hours of Natural Science or Technology are required. PHYS 231N-232N are advised for the applied Mathematics option; either BIOL 108N-109N or BIOL 115N-116N are advised for the Statistics/Biostatistics option.)

\_\_\_\_\_ 4 \_\_\_\_\_

\_\_\_\_\_ 4 \_\_\_\_\_

Technology Requirement \_\_\_\_\_ 3-4 \_\_\_\_\_

Social Sciences \_\_\_\_\_ 3 \_\_\_\_\_

\_\_\_\_\_ 3 \_\_\_\_\_

ANTR 110S; COMM 200S; CRJS 215S; ECON 200S, 201S, 202S  
 GEOG 100S, 101S; POLS 100S, 101S; PSYC 201S, 203S; SOC 201S; WMST 201S

**Mathematics Course Requirements**

MATH 211 Calculus I \_\_\_\_\_ 4 \_\_\_\_\_

MATH 212 Calculus II \_\_\_\_\_ 4 \_\_\_\_\_

MATH 307 Ordinary Differential Equations \_\_\_\_\_ 3 \_\_\_\_\_

MATH 311W Modern Algebra I \_\_\_\_\_ 3 \_\_\_\_\_

MATH 312 Calculus III \_\_\_\_\_ 4 \_\_\_\_\_

MATH 316 Intro Linear Algebra \_\_\_\_\_ 3 \_\_\_\_\_

MATH 317 Calculus IV: Into Analysis \_\_\_\_\_ 3 \_\_\_\_\_

STAT 310W or 431 Intro Data \_\_\_\_\_ 3 \_\_\_\_\_

Analysis or Theory of Stat \_\_\_\_\_ 3 \_\_\_\_\_  
 (Statistics/Biostatistics majors take both)

STAT 330 or 331 Intro Probability \_\_\_\_\_ 3 \_\_\_\_\_

and Stat or Theory of Probability (Statistics and Biostatistics majors take STAT 331)

A grade of C+ or higher is required in the courses listed above. In addition, a grade of C or better is required in mathematics and statistics prerequisite courses to advance to the next course.

All students are required to choose one of the following options:

**Applied Mathematics**

MATH 401 Partial Differential Equations \_\_\_\_\_ 3

MATH 408 Applied Numerical Methods I \_\_\_\_\_ 3

MATH 422 Applied Complex Variables \_\_\_\_\_ 3

MATH 400-level electives \_\_\_\_\_ 3

(choose from MATH 400, 404, 406)

**Statistics/Biostatistics**

STAT 310W or 431 Intro Data Analysis or Theory of Statistics \_\_\_\_\_ 3

STAT 405 SAS: An Introduction to Data Handling \_\_\_\_\_ 1

STAT 400-level electives \_\_\_\_\_ 15

**Math Teaching Licensure**

**Admission.** Students applying for admission to the teacher education programs must have a 2.75 grade point average overall, in the major, and in the professional education core and overall with no grade less than C- in Math/Statistics content area and in the professional education core, and a passing score on PRAXIS I or achieved State Board of Education approved scores on the SAT or ACT scores. Although students may enroll in a limited number of education courses, admission into the teacher education program and passing PRAXIS I scores or approved equivalent test scores must be on file in the Teacher Education Services Office prior to students enrolling in any professional education practicum course.

The Praxis II Mathematics 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. Please consult the Department of Mathematics and Statistics for information on a Praxis II Math tutorial that runs each semester. There is a charge for this tutorial.

**Continuance.** Student 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 test. 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.

**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.

MATH 400 History of Mathematics \_\_\_\_\_ 3

MATH 404 Fundamental Concepts of Geometry \_\_\_\_\_ 3

MATH 406 Number Theory \_\_\_\_\_ 3

MATH 417 or 422 Inter. Real Analysis or Applied Complex Variables \_\_\_\_\_ 3

MATH 400-level electives (2 courses) \_\_\_\_\_ 6

**Professional Education core:**

ECI 301 Foundations and Assessment of Ed	_____3
ECI 360 Classroom Management and Discipline	_____3
ECI 408 Reading and Writing in Content Area	_____3
ECI 430 PK-12 Instructional Technology	_____3
ECI 453 Developing Instructional Strategies: Math	_____3
ECI 483 Practicum Seminar in Education	_____1
ECI 485 Student Teaching	_____12
ESSE 313 Human Growth and Development	_____3
ESSE 406 St w/Diverse Learning Needs	_____3

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>.

**UPPER DIVISION GENERAL EDUCATION**

Option A. Approved Minor, 12-24 hours; also second degree or second major. (**Professional Education core satisfies this requirement.**)

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Option B. Cluster, 9 hours (3 hours may be in the major area of study.)

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Option C. Two Upper Division courses from another college (6 hours).



Requirements for graduation (non-teacher education tracks) include a minimum cumulative grade point average of 2.00 overall and in the major, 120 credit hours, passage of the Exit Examination of Writing Proficiency, and completion of Senior Assessment.