## Lower Division General Education

### A. Skills

#### Written Communication
- ENGL 110C: 3 credits
- ENGL 211C, 221C, or 231C: 3 credits

#### Oral Communication
- COMM 101R, 103R, or 112R: 3 credits

#### Mathematics
- MATH 162M and 163: 6 credits

#### Language and Culture
- Proficiency through 102F: 0-6 credits

#### Information Literacy and Research
- CS 121G: 3 credits

### B. Ways of Knowing

#### Human Creativity
- ARTH 121A, ARTS 122A, MUSC 264A, DANC 185A, THEA 241A, COMM/THEA 270A: 3 credits

#### Interpreting the Past
- HIST 100H, 101H, 102H, 103H, 104H, or 105H: 3 credits

#### Literature
- ENGL 112L, 114L, or FLET 100L: 3 credits

#### Philosophy & Ethics
- PHIL 120P recommended: 3 credits

#### The Nature of Science

#### Human Behavior
- 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: 4 credits

#### Impact of Technology
- COMM 372T, CS 300T, DNTN 440T, or ENGL 307T, GEOG 306T, HIST 300T, 304T, 389T, IT 360T, MUSC 335T, OEAS 302K, PHIL 383T, POLS 350T, STEM 110T, 370T, or WMST 390T: 3 credits

### Other Required Courses
- CS 150 Problem Solving & Programming I: 4 credits

## Mathematics Course Requirements

- MATH 211 Calculus I: 4 credits
- MATH 212 Calculus II: 4 credits
- MATH 307 Ordinary Differential Equations: 3 credits
- MATH 311W Modern Algebra I: 3 credits
- MATH 312 Calculus III: 4 credits
- MATH 316 Intro Linear Algebra: 3 credits
- MATH 317 Calculus IV: Intro Analysis: 3 credits
- STAT 310 or 431 Intro Data Analysis or Theory of Stat: 3 credits
- STAT 330 or 331 Intro Probability: 3 credits

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 credits
- MATH 408 Applied Numerical Methods I: 3 credits
- MATH 422 Applied Complex Variables: 3 credits
- MATH 400-level electives: 9 credits

### Statistics/Biostatistics
- STAT 310 or 431 Intro Data Analysis or Theory of Statistics: 3 credits
- STAT 405 SAS: An Introduction to Data Handling: 1 credit
- STAT 400-level electives: 12 credits

### Math Teaching Licensure
- MATH 400 History of Mathematics: 3 credits
- MATH 404 Fundamental Concepts of Geometry: 3 credits
- MATH 406 Number Theory: 3 credits
- MATH 417 or 422 Inter. Real Analysis or Applied Complex Variables: 3 credits
- MATH 400-level electives (2 courses): 6 credits

### Professional Education core:
- TLED 301 Foundations and Assessment of Ed: 3 credits
- TLED 360 Classroom Management and Discipline: 3 credits
- TLED 408 Reading and Writing in Content Area: 3 credits
- TLED 430 PK-12 Instructional Technology: 3 credits
- STEM 453 Developing Instructional Strategies: Math: 3 credits
- TLED 483P Practicum Seminar in Education: 1 credit
- TLED 485 Student Teaching: 12 credits
- SPED 313 Human Growth and Development: 3 credits
- SPED 406 St w/Diverse Learning Needs: 3 credits
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.

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.)

Option B. Interdisciplinary Minor (specifically 12 hours, 3 of which may be in the major)

Option C. International Business and Regional Courses or an approved Certification Program such as teaching licensure

Option D. Two Upper-Division Courses from outside the College of Sciences and not required by the major (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.