

**OLD DOMINION UNIVERSITY
COLLEGE OF SCIENCES**

2008-2009

TEACHER EDUCATION (BIOLOGY)

Virginia Teacher Licensure, grades 7-12

Lower Division General Education Requirements (33-39 hours)

Skills		Perspectives	
Written Communication		Fine and Performing Arts	
ENGL 110C and		ARTH 121A, ARTS 122A,	
ENGL 111C, 131C,		MUSC 264A, DANC 185A,	
HIST 111C, or PHIL 111C	6 _____	THEA 241A	3 _____
Oral Communication		History	
COMM 101R, 103R, 112R or		HIST 101H, 102H, 103H,	
approved course in major		104H, 105H	6 _____
*Satisfied by BIOL 405W	3 _____	Literature	
Mathematics		ENGL 112L, 144L,	
MATH 162M	3 _____	FLET 100L	3 _____
Foreign Language		Philosophy	
ARAB 111F, CHIN111F,		PHIL 110P, 120P, 150P	3 _____
FR 101F-102F,		Social Science	
GER 101F-102F,		ANTR 110S; COMM 200S;	
ITAL 101-102F, JAPN 111F		CRJS215S; ECON 200S, 201S,	
LATN101F-102F,		202S; GEOG 100S, 101S	
RUS 101F-102F,		POLS 100S, 101S; PSYC 201S	
SPAN 101F-102F, 121F	0-6 _____	203S; SOC 201S; WMST 201S	6 _____

Required Biology Core Courses (23 hours):

BIOL 115N General Biology I 4 _____

BIOL 116N General Biology II 4 _____

BIOL 115N-116N must be passed with a C (2.0) or better to continue.

Upon completion of Biology 116N, students must complete the following Biology courses, some of which are pre- or co-requisites for upper level biology courses (see catalog descriptions for individual courses). Biology 293 (Cell Biology) and Biology 303 (Genetics) have Math 162, (Precalculus) and Chemistry 211 (Organic Chemistry) as co-requisites. Biology 303 (Genetics) also has STAT 130M (Elementary Statistics) as a pre-requisite. Biology 290 is a prerequisite for Biology 405W (Senior Seminar) and should be taken within two semesters of completing Biology 115N/116N. Biology 405W should be taken during the junior or senior year, but not before a student has completed at least 2 300- or 400-level electives. All core courses must be passed with a C (2.0) or better.

Practice of Science (290)	1 _____
Ecology (291)	3 _____
Evolution (292)	3 _____
Cell Biology (293)	3 _____
Genetics (303)	3 _____
Senior Seminar (405W)	2 _____

Required Biology Elective Courses (16 hours):

Students must complete 16 hours of Biology electives, to include one approved course from each of the areas listed below. A minimum of 3 courses must include a laboratory component. Elective courses must be passed with a C (2.0) or better. Note that course offerings in each of these areas may change; students should check the University Catalog for current offerings. Substitutions of electives are possible but must be approved **in advance** by the Chief Departmental Advisor in Biology.

Human Anatomy: Biology 250

Zoology: Biology 307, 330, 401, 420, 421, 431, 458, 473

Botany: Biology 308, Biology 221

Microbiology: Biology 315

Non-Biology Math and Science Requirements (27 hours):

CHEM 115N College Chemistry I	4 _____
CHEM 116N College Chemistry II	4 _____
CHEM 211& 212 Organic Chemistry Lecture and Lab	5 _____
OEAS 110N and PHYS 111N	8 _____
MATH 200 Calculus for Business and Economics	3 _____
STATS 130	3 _____

Professional Education (33 hours)

Take Praxis I after completion of English 110/111 and College Algebra

ECI 301 Foundations and Observation	3 _____
ECI 304 Education Application of Computers	3 _____
ESSE 313 (413) Human Growth & Development	3 _____
ECI 408 Reading and writing in content	3 _____
ECI 360 Classroom Management and Discipline	2 _____
ESSE 406 Students With Diverse Learning Needs	3 _____
ECI 483 Practicum Seminar in Education	1 _____
ECI 454 IS in Middle/High School Science*	3 _____
ECI 485 Student Teaching**	12 _____

- Students must have a passing score on the Praxis I or equivalent SAT or ACT score as established by the VA State Board of Education and acceptance into the Teacher Education program (includes acceptance into the Department of Biological Sciences).
- Students must complete an approved program in teacher education (i.e., all coursework with no grade less than C in the content area (Biology courses) and C- in the professional education core. and a GPA of at least 2.75 overall, in the major, and in the professional education courses.
- Students must have passing Praxis II scores on biology content knowledge #235 (155) and the Virginia Communication and Literacy Assessment (VCLA) during the Senior Seminar in order to qualify for ECI 485 Student Teaching.
- To graduate, students must successfully complete all coursework, the exit exam of writing proficiency, the University Senior Assessment, and the Biology Department Assessment (if offered).
- Students, not advisors, are ultimately responsible for knowing whether or not they have completed their degree requirements. Students are expected to use the on-line Degree Evaluation system to monitor their progress each semester, identify problems as they arise, and seek assistance in a timely fashion.
- Students are expected to read, understand, and follow the policies and regulations outlined in the University Catalog for the year in which they enrolled at ODU.
- Exceptions to the curriculum requirements, policies, and procedures outlined on this sheet must be petitioned to and approved by the Chair of the Department of Biological Science and appropriate program director of the Darden College of Education.
- 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 in the catalog. Students are encouraged to obtain current program information from their advisors and the Darden College of Education website at <http://education.odu.edu>.

Biology Advising Contact: Dr. Kerry S. Kilburn, CDA (kkilburn@odu.edu)

Education Advising Contact: Ms. Nola Nicholson (nnichols@odu.edu)

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