

OLD DOMINION UNIVERSITY 2004-2006 Catalog

Bachelor of Science-Chemistry Major with Teaching Licensure

This program leads to eligibility for teacher licensure in Virginia and is available only to individuals holding a baccalaureate degree or completing requirements for a Bachelor of Science degree in chemistry.

Admission. Students wanting to enroll in the teacher education program must have a 2.75 grade point average in the major and overall, with no grade less than C- in the content area and the professional education core. Additionally, passage of the PRAXIS I exam prior to enrollment in any education practicum course or courses in developing instructional strategies is required. It is recommended that students take the PRAXIS I exam prior to, or during, enrollment in ECI 301.

Continuance. Students must maintain a general grade point average of 2.75 in the academic major 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.

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 and in the major, with no grade less than a C- in the major, minor, and professional education core; and completion of a minimum of 134 credit hours. 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, Education Building room 152. The professional education core satisfies the Upper Division General Education requirement.

The curriculum is as follows:

FRESHMAN FIRST SEMESTER

		Credits	
CHEM 115N	Foundations of Chemistry I	4	*
MATH 163	Precalculus II	3	
ENGL 110C	English Composition I	3	
HIST 101H, 102H, 103H, 104H, or 105H		3	*
CS 149D	Computer Skills	3	*

FRESHMAN SECOND SEMESTER

CHEM 116N	Foundations of Chemistry II	4	*
MATH 211	Calculus I	4	
ENGL 111C	English Composition II	3	
HIST 101H,102H,103H,104H, or 105H		3	*
PHIL 110P or 120P or 150P		3	

SOPHOMORE FIRST SEMESTER

CHEM 311	Organic Chemistry Lecture I	3	
CHEM 312	Organic Chemistry Lab I	2	
MATH 212	Calculus II	4	
PHYS 231N	University Physics I	4	*
CHEM 321	Analytical Chemistry Lecture	3	

SOPHOMORE SECOND SEMESTER

CHEM 313	Organic Chemistry Lecture II	3	
CHEM 314	Organic Chemistry Lab II	2	
MATH 312 (or MATH 280)	Calculus III	4	
PHYS 232N	University Physics II	4	*
CHEM 322	Analytical Chemistry Lab	2	
ENGL 112L or 144L or FLET 100L		3	

JUNIOR FIRST SEMESTER

CHEM 331	Physical Chemistry Lecture I	3	
CHEM 333	Physical Chemistry Lab I	2	
ECI 301	Social and Cultural Foundations of Education	3	
ECI 304	Educational Applications of Technology	3	
CHEM 441	Intro Biochemistry	3	
Fine and Performing Arts Perspective		3	

JUNIOR SECOND SEMESTER

CHEM 332W	Physical Chemistry Lecture II	3	
CHEM 334	Physical Chemistry Lab II	2	
ECI 408	Reading and Writing in the Content Area	3	
ECI 406	Special Needs Students	3	
ECI 360	Classroom Management	2	
Social Science Perspective		3	

SENIOR FIRST SEMESTER

CHEM 423	Spectroscopic Methods	_____ 2	_____
CHEM 424	Electrochemical Methods	_____ 2	_____
CHEM 425	Separations	_____ 2	_____
CHEM 451	Advanced Inorganic Chemistry Lec	_____ 3	_____
CHEM 452	Advanced Inorganic Chemistry Lab	_____ 2	_____
ESSE 413	Human Growth and Development	_____ 3	_____
ECI 454	Developing Instructional Strategies: Science	_____ 4	_____

SENIOR SECOND SEMESTER

Social Science Perspective		_____ 3	_____
CHEM 485	Chemistry Seminar	_____ 1	_____
	(satisfies oral communication requirement)		
ECI 485	Student Teaching	_____ 12	_____