

## 2019 - 2020 Old Dominion University Catalog

### Bachelor of Science in Biochemistry -Teaching Licensure (w/ VCCS Equivalencies)

*Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.*

*\* Indicates not automatically waived with transferrable associates degree, C or better required for transfer. Courses in green are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees). Associate in Science recommended for ease of transfer.*

#### YEAR 1 - FRESHMAN (31 CREDITS)

##### FALL SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 121N/122N(4 credits)	CHM 111*
MATH 163	MTH 162, 164 or 167*
BIOL 121N & 122N (4 credits)	BIO 101*
ENGL 110C	ENG 111*
<u>Professional Education Coursework:</u>	
STEM 101 (1 credit)	

##### SPRING SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 123N/124N (4 credits)	CHM 112*
MATH 211 (4 credits)	MTH 173, 263 or 273*
BIOL 123N & 124N (4 credits)	BIO 102*
ENGL 211C, 221C, or 231C	ENG 112, 210, 115 OR 131*
<u>Professional Education Coursework:</u>	
STEM 102 (1 credit)	

#### YEAR 2 - SOPHOMORE (39 CREDITS)

##### FALL SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 211-CHEM 212 (5 credits)	CHM 241 & 243*
MATH 212 (4 credits)	MTH 174, 264, or 274*
COMM 101R	CST 100, 105 or 110*
<u>Professional Education Coursework:</u>	
STEM 201	

##### SPRING SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 312 (4 credits)	MTH 275 or 277*
CHEM 213-214 (5 credits)	CHM 242 & 244 or 246*
<u>Professional Education Coursework:</u>	
STEM 202	
<u>General Education Coursework:</u>	
Information Literacy and Research	<a href="#">Transfer Guide</a>

##### SUMMER SEMESTER (9 credits)

<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
<a href="#">Interpreting the Past</a>	<a href="#">Transfer Guide</a>
<a href="#">Human Creativity</a>	<a href="#">Transfer Guide</a>
<a href="#">Philosophy and Ethics</a>	<a href="#">Transfer Guide</a>

#### YEAR 3 - JUNIOR (32 CREDITS)

##### FALL SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
PHYS 231N(4 credits)	PHY 231 or 241*
CHEM 321 and CHEM 322 (5 credits)	
BIOL 293	
<u>Professional Education Coursework:</u>	
STEM 401	

##### SPRING SEMESTER (17 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
PHYS 232N(4 credits)	PHY 232 or 242*
CHEM 441	
CHEM 442W (4 credits)	
Human Behavior: GEOG 101S	GEO 200*
<u>Professional Education Coursework:</u>	
STEM 402	

#### YEAR 4 - SENIOR (31 CREDITS)

##### FALL SEMESTER (15 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 331	
BIOL 303	
CHEM 443	
CHEM 468	
<u>General Education Coursework:</u>	
<a href="#">Impact of Technology</a>	<a href="#">Transfer Guide</a>

##### SPRING SEMESTER (16 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 485 (1 credit)	
CHEM 333	
<u>Professional Education Coursework:</u>	
STEM 485 (9 credits)	
<u>General Education Coursework:</u>	
Literature	<a href="#">Transfer Guide</a>

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog.

Note: Upper division general education is satisfied through the Professional Education Core Courses. Licensure is pending approval from the Virginia Department of Education.

Requirements for graduation include a minimum cumulative grade point average of 2.75 GPA, in the major area, and in the professional education core, with no grade less than a C in the major and C- in the professional education core; successful completion of the Teacher Candidate Internship and a minimum of 135 credit hours, which must include both a minimum of 34 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.