

**2024-2025 Old Dominion University Catalog**  
**Bachelor of Science in Medical Laboratory Science**  
**Cytology Major (with 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 met by the completion of an Associate degree (Not eligible for Applied Associate degrees). AS in Health Science or Science recommended for ease of transfer.*

**YEAR 1 - FRESHMAN (34 CREDITS)**

FALL SEMESTER (17 credits)		SPRING SEMESTER (17 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
*ENGL 110C: English Composition I	ENGL 111	*ENGL 211C or 231C: English Composition II	<a href="#">VCCS Transfer Guide</a>
*CHEM 105N/106N: Intro to Chemistry or CHEM 121N/122N: General Chemistry I	CHM 101 or 121 or 111	*CHEM 107N/108N: Intro to Organic Chem or CHEM 123N/124N: General Chemistry II	CHM 102 or 122 or 112
*BIOL 121N/122N: General Biology I	BIO 101	*BIOL 123N/124N: General Biology II	BIO 102
*MATH 102M: College Algebra or MATH 162M: Precalculus	MTH 158 or 161 or 163	Information Literacy	<a href="#">VCCS Transfer Guide</a>
Language and Culture I (May be waived, see catalog for details)	<a href="#">VCCS Transfer Guide</a>	Language and Culture I (May be waived, see catalog for details)	<a href="#">VCCS Transfer Guide</a>

**YEAR 2 - SOPHOMORE (33 CREDITS)**

FALL SEMESTER (14 credits)		SPRING SEMESTER (13 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
*BIOL 250: Human A&P I or BIOL 240: Fundamentals of A&P I	BIO 141, 231 or NAS 161	*BIOL 251: Human A&P II or BIOL 241: Fundamentals of A&P II	BIO 141, 231 or NAS 162
*BIOL 150/151: Introduction to Microbiology	BIO 150, 205 or NAS 185	Human Behavior	<a href="#">VCCS Transfer Guide</a>
Literature	<a href="#">VCCS Transfer Guide</a>	Philosophy and Ethics	<a href="#">VCCS Transfer Guide</a>
Human Creativity	<a href="#">VCCS Transfer Guide</a>	Interpreting the Past	<a href="#">VCCS Transfer Guide</a>

**SUMMER SEMESTER (6 credits)**

Option D: Any six (6) credit hours of 300/400 level courses EXCEPT CYTO, CHP, DNTH, ENVH, HLTH, MLS, NMED, NURS, PUBH. Must include an Impact of Technology "T" course unless lower division gen-ed/s satisfied by transferrable associates degree. [No VCCS Equivalency](#)

**YEAR 3 - JUNIOR (46 CREDITS)**

FALL SEMESTER (12 credits)		SPRING SEMESTER (18 credits)	
<u>Major Coursework:</u>	<u>No VCCS Equivalency</u>	<u>Major Coursework:</u>	<u>No VCCS Equivalency</u>
CYTO 404 General Pathology		CYTO 403 Gynecological Screening Laboratory	
CYTO 407 Clinical Histology (Strongly Recommended)		CYTO 405 Normal Gynecological Cytology	
MDTS 401 Molecular Diagnostics Laboratory		CYTO 415 Abnormal Gynecological Cytology	
MLS 403W Management in the Clinical Setting		CYTO 430 Cytopreparation & Ancillary Techniques	
MLS 310 Urinalysis and Body Fluids		CYTO 444 Genitourinary Cytology	
		CYTO 445 Breast Cytology	

**SUMMER SEMESTER (16 credits)**

<u>Major Coursework:</u>	<u>No VCCS Equivalency</u>
CYTO 424 Respiratory Cytology	
CYTO 446 Body Fluids Cytology	
CYTO 448 Non-Epithelial Cytology	
CYTO 468 Cytology Internship II	
CYTO 442 Gastro-Intestinal Cytology	
CYTO 458 Cytology Internship I	

**YEAR 4 - SENIOR (17 CREDITS)**

FALL SEMESTER (17 credits)	
<u>Major Coursework:</u>	<u>No VCCS Equivalency</u>
CYTO 456 Fine Needle Aspiration Cytology I	
CYTO 457 Fine Needle Aspiration Cytology II	
CYTO 478 Cytology Internship III	
CYTO 497 Cytology Senior Seminar	
CYTO 499 Comprehensive Cytology Review	

**DECEMBER GRADUATION - Eligible for National Boards, Employable by January**

**PROGRAM ADMISSIONS REQUIREMENTS:** Application deadline is March 15th for fall admission. Program prerequisites may be in progress at the time of application but students must complete the following courses prior to entering the Cytotechnology Program: MATH 102M or 103M, BIOL 121N/122N, BIOL 123N/124N, BIOL 250 & 251 or BIOL 240 & 241, BIOL 150/151, CHEM 105N/ 106N, CHEM 107N/108N. <https://www.odu.edu/mdts/cytotechnology>

**NOTE:** Oral Communication satisfied in major. Option D satisfies the Upper Division General Education requirement by completing six (6) credits at the 300-400 level outside of the college of your major. Foreign language may be satisfied with 3 years of 1 or 2 years of 2 languages in high school; graduation from HS prior to 12/31/85, or with AA or AS Degree from VCCS.

**GRADUATION REQUIREMENTS:** Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a minimum of 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program for Old Dominion University, \*completion of ENGL 110C and ENGL 211C, 221C or 231C, and the writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.