

## 2015 - 2016 Old Dominion University Catalog Bachelor of Science in Medical Technology

*Sample four year curriculum with a suggested ordering of courses based on placement into MATH 102M.*

*Students may re-order as needed.*

### YEAR 1 - FRESHMAN (26 CREDITS)

FALL SEMESTER (13 credits)		SPRING SEMESTER (13 credits)	
<u>General Education Coursework:</u>	<u>Credits</u>	<u>General Education Coursework:</u>	<u>Credits</u>
*ENGL 110C English Composition I	3	*ENGL 211C, 221C or 231C English Comp II	3
*MATH 102M College Algebra	3	*CHEM 121N/122N Foundations of Chemistry I***	4
*BIOL 121N/122N General Biology I**	4	Interpreting the Past (or other Gen Ed)	3
Human Creativity (or other Gen Ed)	3	*STAT 130M	3

### YEAR 2 - SOPHOMORE (26 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (12 credits) <b>Apply to MEDT by Feb. 1st</b>	
<u>General Education Coursework:</u>	<u>Credits</u>	<u>General Education Coursework:</u>	<u>Credits</u>
*CHEM 123N/124N Foundations of Chemistry II	4	*BIOL 251 Anatomy & Physiology II	4
*BIOL 250 Anatomy & Physiology I	4	Literature (or other Gen Ed)	3
Human Behavior (or other Gen Ed)	3	*CHEM 211/212 Organic Chemistry	5
Information Literacy and Research (or other Gen Ed)	3		

### YEAR 3 - JUNIOR (37 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (18 credits)	
<u>Major Coursework:</u>	<u>Coursework</u>	<u>Major Coursework:</u>	<u>Credits</u>
MEDT 210 Orientation to Med. Tech.	1	MEDT 309 Medical Bacteriology	3
MEDT 307 Clinical Methods in Micro.	2	MEDT 310/313 Urinalysis/Body Fluids	2
MEDT 308 Clinical Microbiology	3	MEDT 319 Medical Bacteriology Methods	2
MEDT 311/312 Hematology and Lab	4	MEDT 326/336 Immunohematology and Lab	4
MEDT 324 Clinical Instrumentation and Electronics	3	MEDT 327 Hemostasis	1
MEDT 325 Clinical Instrumentation Methods	1	MEDT 337 Advanced Hematology	1
MEDT 330/331 Clinical Immunology/Serology and lab	3	MEDT 339/340 Parasitology/Mycolgoy, Virology and Lab	2
		MEDT 351 Clinical Biochemistry	3

#### SUMMER SEMESTER (2 Credits)

**Can also be taken the summer before the program begins with permission of the program director, as space allows**

MEDT 320 Phlebotomy Methods	2
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### YEAR 4 - SENIOR (32 CREDITS)

FALL SEMESTER (12 credits)		SPRING SEMESTER (20 credits)	
<u>Major Coursework:</u>	<u>Credits</u>	<u>Major Coursework:</u>	<u>Credits</u>
MEDT 403W Mgmt in a Clinical Setting	3	MEDT 404 Clinical Hematology Practicum	4
MEDT 440 Stat Applications and Data	3	MEDT 406 Clinical Micro. Practicum	5
Philosophy and Ethics (Upperdivision General Education Requirement Option D)	3	MEDT 452 Clinical Biochem Practicum	5
Impact of Technology (Upperdivision General Education Requirement Option D)	3	MEDT 454 Clinical Blood Bank Practicum	4
		MEDT 457 Medical Technology Seminar	1
		MEDT 458 Clinical Elective Practicum	1

\*PROGRAM ADMISSIONS REQUIREMENTS: Students must complete the following courses prior to entering the Medical Technology Program: BIOL 115N, BIOL 250 & 251, CHEM 121 & 122, CHEM 123N & 124N, CHEM 211 & 212 and STAT 130M. Program requirements must be completed with a C or better; C- is not acceptable. A grade of C (2.00) or better is required in all medical technology course work for continuance in the program.

\*\*\*BIOL 121N prerequisite requirement: placement into ENGL 110C (score of 3 on WSPT) or credit for ENGL 110C **and** score of 460 or higher on MATH SAT or score of 24 or higher on MATH ACT or credit for MATH 102M or 103M. Students who do not meet MATH placement requirement must complete MATH 103M: College Algebra with Supplemental Instruction

\*\*\*CHEM 121N Prerequisite requirement: Math 102M or 103M with a grade of C or better **and** one of the following: CHEM 103N with a grade of P (Pass/Fail), CHEM 105N with a grade of C or better, Score of 3 or better on the Chemistry Placement Exam, Score of 80% or better on the Chemistry Review Modules Final Exam

NOTE: 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.