

MEDICAL LABORATORY TECHNOLOGY

Associate of Applied Science Degree

MEC

Purpose: The curriculum is designed to prepare the students for certification and employment as medical laboratory technicians in hospital laboratories, private laboratories, physicians' office laboratories, health department laboratories, and industrial medical laboratories. Upon completion of the program graduates will be eligible to take the American Society for Clinical Pathology (ASCP) Board of Registry, the National Credentialing Agency (NCA), and other national certification exams.

Transfer Information: Although transfer is not the primary purpose of an A.A.S. program, NVCC has articulation agreements that facilitate the transfer of this and other career-oriented programs to selected senior institutions. Students interested in transfer should contact a counselor or their faculty advisor early in their program.

Students must comply with all General Admission Requirements for Allied Health Programs. (See page 127.)

Additional Admission Requirements:

1. Attendance at Medical Laboratory Technology Information Session. (This satisfies the "Interview with Assistant Dean" requirement.)
2. Satisfactory scores on the NVCC placement/assessment tests: ENG 111, MTH 163 placement eligibility.
3. Evidence of high school graduation, a General Educational Development (GED), or college degree.
4. Three high school math courses to include algebra and geometry or their equivalent with a final grade of C or better.
5. One high school biology course with lab or its equivalent (BIO 101) with a final grade of C or better.
4. One high school chemistry course with lab or its equivalent (CHM 101) with a final grade of C or better.

College level math and science courses supersede high school requirement: Examples include BIO 101, CHM 101 or 111, MTH 163.

Special Accreditation Status: The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS); 8410 W. Bryn Mawr Ave., Suite 670, Chicago, IL 60631; Phone: 773-714-8880; Fax: 773-714-8886; www.naacls.org.

Two Years

1st Semester

BIO	101 General Biology I or BIO Elective with Lab	4
CHM	101 General Chemistry I or CHM 111 College Chemistry I	4
ENG	111 College Composition I	3
MDL	100 Intro to Medical Lab Technology	2
MDL	110 Urinalysis and Body Fluids	2
MDL	196 On-Site Training	1
SDV	101 Orientation to Health Care or SDV elective	<u>1</u>
	Total	17

2nd Semester

BIO	205 General Microbiology or BIO 150 Intro. Microbiology (military equivalent)	4
MDL	120 Principles of Hematology	4
MDL	215 Immunology	2
¹ PED	116 Lifetime Fitness & Wellness	1
² SPD	229 Intercultural Communication Or SPD 110 or SPD 126	<u>3</u>

Total	14
3rd Semester	
MDL 276 Clin. Hematology Techniques	4
¹ PED/RPK Elective	1
³ — Social Science Elective	<u>3</u>
Total	8
4th Semester	
MDL 216 Blood Banking	4
MDL 251 Clinical Microbiology I	3
MDL 252 Clinical Microbiology II	2
MDL 261 Clin. Chem./Instrumentation I	4
HIS 101 History of Western Civilization I OR	
HIS 111 History of World Civilization OR	
HIS 261 Topics in Cultural Ethnicity	<u>3</u>
Total	16
5th Semester	
MDL 265 Advanced Clinical Chemistry	2
MDL 266 Clinical Chemistry Techniques	4
MDL 277 Clinical Immunohem./Immuno. Tech.	4
MDL 278 Clinical Microbiology Tech. II	4
MDL 281 Clinical Correlations	<u>1</u>
Total	15

Total credits for the A.A.S. Degree in Medical Laboratory Technology = 70

¹ The PED requirement may be met by one of the following options: PED 116, 2 cr.; PED 116, 1 cr. plus a PED activities course, 1 cr.; or PED 116, 1 cr. plus RPK activities course. PED 116 is offered as both a 1-credit and a 2-credit course.

² SPD 110 Intro to Speech Communication or SPD 126 Interpersonal Communication may be substituted for SPD 229.

³ The social science elective may be selected from the economics, geography, history, political science, psychology, or sociology (includes anthropology) courses listed on page 54.