

certification and will be prepared to work in a variety of clinical settings that include hospital laboratories, physicians' offices, and clinics and blood donor centers.

The program is currently seeking accreditation by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd. Suite 720, Rosemont, IL 60018-5119; 773.714.8880.

### Objectives

- Provide a curriculum that will promote development of skilled medical laboratory technicians.
- Prepare graduates with entry-level competencies to meet the needs of the community and the medical profession.
- Provide students with adequate knowledge and background experience to qualify for national certification examinations appropriate to their level of training.
- Promote development of professional conscience.
- Provide a curriculum that facilitates matriculation to a four-year degree program.
- Maintain standards consistent with the National Accrediting Agency for Clinical Laboratory Science.

### Notes

- All students should consult their faculty and transfer advisors early in their WNCC career to determine an appropriate curriculum sequence, and discuss, if appropriate, a curriculum best suited to transfer goals.

## Recommended Plan of Study

### 1st Semester (fall - Prerequisite Courses) Credits

BIOS-1160	Intro to Human Anatomy & Physiology (with lab)	4
	or	
LPNR-1110	Body Structure and Function	
ENGL-1010	English Composition I	3
HLTH-1060	Medical Terminology	2
MATH-0160	Introductory Algebra (or higher)	4
MEDT-1005	Clinical Laboratory Operations	3
	<b>Total Credits</b>	<b>16</b>

### 2nd Semester (spring - Prerequisite Courses) Credits

CHEM-1050	Introduction to Chemistry (or higher) (with lab)	4
MEDT-1010	Fundamentals of Phlebotomy*	4
PSYC-1810	Introduction to Psychology	3
	Oral Communication GE elective	3
	<b>Total Credits</b>	<b>14</b>

### 3rd Semester (summer - MLT Core Courses) Credits

MEDT-2100	Clinical Microbiology I	3
MEDT-2110	Urinalysis & Body Fluids	2
MEDT-2120	Clinical Immunology	3
	<b>Total Credits</b>	<b>8</b>

### 4th Semester (fall - MLT Core Courses) Credits

MEDT-2130	Clinical Chemistry	5
MEDT-2140	Clinical Hematology & Hemostasis	4
MEDT-2150	Clinical Immunohematology	4
MEDT-2160	Clinical Microbiology II	5
	<b>Total Credits</b>	<b>18</b>

### 5th Semester (spring- MLT Core Courses) Credits

MEDT-2220	Clinical Practicum: Microbiology	4
MEDT-2230	Clinical Practicum: Chemistry	4
MEDT-2240	Clinical Practicum: Hematology	4
MEDT-2250	Clinical Practicum: Immunohematology	4
	<b>Total Credits</b>	<b>16</b>

### 6th Semester (summer - MLT Core Courses) Credits

MEDT-2210	Clinical Practicum: Urinalysis	2
MEDT-2220	Clinical Practicum: Immunology	2
MEDT-2300	MLT Certification Examination Preparation Review	3
	<b>Total Credits</b>	<b>7</b>
	<b>Total AAS Credits</b>	<b>79</b>

\*Students who possess an active Phlebotomy Technician (PBT) certificate through the American Society for Clinical Pathology-Board of Certification (ASCP-BOC) may waive this course.

## (Pre) Medical Technology

### AS.5110 (63 Credits)

#### Associate of Science

#### Scottsbluff

This emphasis area constitutes the first two years of pre-professional study required for admission to a school of medical technology or medical technology program.

Students need to be aware that earning the Associate of Science degree is just the first step in pursuit of a professional career in a medical field.

### Objectives

- Provide students with the necessary information and credit to transfer directly to a school of medical technology that has a two-year pre-professional requirement.

- Provide the first two years of study for programs that require more than two years of pre-professional study for admission to a school of medical technology.
- Provide coursework basic to a variety of curricula. Students can change their educational goals to other areas, especially in the life sciences, with little or no lost time.

#### Notes

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum to best suit their transfer goals.
- In addition to the general education requirements for the AS degree, 33 credits of core courses and 9 credits of electives are required for the degree in pre-medical technology.
- Depending on the choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credit credits.
- Students should understand that the courses included in the lists of core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor's or professional degree.

#### Core Requirements (33 credits)

- A minimum of 15-16 credits of combined science and math credits are required for the AS degree. This must include a minimum of three (3) credits of math and four (4) credits of science from BIOS, CHEM or PHYS options.

Class		Credits
BIOS-1010	General Biology (and lab)	4
BIOS-1380	General Zoology (and lab)	4
CHEM-1090	General Chemistry I (and lab)	4
CHEM-1100	General Chemistry II (and lab)	4
MATH-1150	College Algebra	4
MATH-1210	Trigonometry	3
PHYS-1300	Physics I (and lab & recitation)	5
PHYS-1350	Physics II (and lab & recitation)	5

#### Recommended electives or courses required for transfer (9 credits):

Class		Credits
BIOS-1160	Intro to Human Anatomy & Physiology (and lab)	4
BIOS-2120	Genetics (and lab)	4
BIOS-2460	Microbiology (and lab)	4

CHEM-2510	Organic Chemistry I (and lab)	4
CHEM-2520	Organic Chemistry II (and lab)	4

### Recommended Plan of Study

1st Semester		Credits
BIOS-1010	General Biology (and lab)	4
CHEM-1090	General Chemistry I (and lab)	4
ENGL-1010	English Composition I	3
MATH-1150	College Algebra	4
PRDV-1010	Achieving College Success	3
<b>Total Credits</b>		<b>18</b>

2nd Semester		Credits
BIOS-1380	General Zoology (and lab)	4
CHEM-1100	General Chemistry II (and lab)	4
ENGL-1020	English Composition II	3
MATH-1210	Trigonometry	3
	Social Sciences GE elective	3
<b>Total Credits</b>		<b>17</b>

3rd Semester		Credits
CHEM-2510	Organic Chemistry I (and lab)	4
PHYS-1300	Physics I (and lab & recitation)	5
	Humanities GE elective	3
	Oral Communication GE elective	3
<b>Total Credits</b>		<b>15</b>

4th Semester		Credits
BIOS-2460	Microbiology (and lab)	4
CHEM-2520	Organic Chemistry II (and lab)	4
PHYS-1350	Physics II (and lab & recitation)	5
<b>Total Credits</b>		<b>13</b>
<b>Total AS Credits</b>		<b>63</b>

## (Pre) Medicine

### AS.5111A (68 Credits)

#### Associate of Science

#### Scottsbluff

This emphasis area constitutes the first two years of the study required for admission to a college of medicine.

Students need to be aware that earning the Associate of Science degree is just the first step in the pursuit of a professional career in a medical field. Most advanced degrees in these areas require upwards of eight or more years of study.