

NORTHWOOD TECHNICAL COLLEGE
MEDICAL LABORATORY TECHNICIAN
STUDENT POLICIES

CURRICULUM PLAN

- All coursework must be completed with a 2.0 or better.
- All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better.
- All coursework including general studies must be completed prior to enrolling in final semester.
- All 514-XXX courses must be taken in sequence and in the order on this curriculum plan.
- Within each semester, all 514-XXX courses are corequisites.

Semester 1				
Course Number	Course Name	Credits	Lecture hours	Lab hours
10513110	Basic Lab Skills PREREQUISITE: Admission to the Phlebotomy Certificate or Medical Laboratory Technician program.	1		32
10513111	Phlebotomy PREREQUISITE: Admission to the Phlebotomy Certificate or Medical Laboratory Technician program and COREQUISITE: 10513110 Basic Lab Skills	2	16	32
10513113	QA Lab Math PREREQUISITE: Admission to the Medical Laboratory Technician program.	1	16	
10806177	General Anatomy and Physiology	4	48	32
10806186	Intro to Biochemistry COREQUISITE: Complete one year, or one credit, of high school chemistry or one credit of 10806140 Chemistry (college-level chemistry) with a 2.0 or better.	4	48	32
10801136	English Composition	3	48	
Total semester 1 credits: 15				
Semester 2				
Course Number	Course Name	Credits	Lecture hours	Lab hours
10513114	Urinalysis PREREQUISITES: 10513110 Basic Lab Skills, 10806177 General Anatomy and Physiology, and Admission to the Medical Laboratory Technician program.	2	16	32
10513116	Clinical Chemistry PREREQUISITES: 10806186 Intro to Biochemistry and Admission to the Medical Laboratory Technician program.	4	32	64
10513120	Basic Hematology PREREQUISITES: 10513110 Basic Lab Skills, 10806177 General Anatomy and Physiology, and Admission to the Medical Laboratory Technician program.	3	16	64
10513121	Coagulation PREREQUISITES: 10513110 Basic Lab Skills, 10806177 General Anatomy and Physiology and COREQUISITE: 10513120 Basic Hematology.	1		32
10806197	Microbiology PREREQUISITE: 10806177 General Anatomy and Physiology, preferably within the last five years or 10806105 Principles of Animal Biology.	4	48	32
Total semester 2 credits: 14				

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Semester 3				
Course Number	Course Name	Credits	Lecture hours	Lab hours
10801196	Oral/Interpersonal Communication	3	48	
10809198	Intro to Psychology	3	48	
10809172	Introduction to Diversity	3	48	
Total semester 3 credits: 9				
Semester 4				
Course Number	Course Name	Credits	Lecture hours	Lab hours
10513109	Blood Bank COREQUISITE: 10513115 Basic Immunology Concepts	4	32	64
10513115	Basic Immunology Concepts PREREQUISITES: 10513110 Basic Lab Skills, 10806177 General Anatomy and Physiology and COREQUISITE: 10513109 Blood Bank.	2	16	32
10513130	Advanced Hematology PREREQUISITE: 10513120 Basic Hematology.	2	16	32
10513133	Clinical Microbiology PREREQUISITE: 10806197 Microbiology and COREQUISITE: 10513170 Introduction to Molecular Diagnostics.	4	32	64
10513170	Introduction to Molecular Diagnostics PREREQUISITE: 10513110 Basic Lab Skills and COREQUISITE: 10513133 Clinical Microbiology.	2	32	
Total semester 4 credits: 14				
Semester 5				
Course Number	Course Name	Credits	Lecture hours	Lab hours
10513140	Advanced Microbiology PREREQUISITE: 10513133 Clinical Microbiology.	2	32	
10513141	Pre-Clinical Experience PREREQUISITE: All required courses with a grade point of 2.0 or better.	2		64
10513151	Clinical Experience 1 PREREQUISITE: All required courses with a grade point of 2.0 or better.	3		192 Clinical
10513152	Clinical Experience 2 PREREQUISITE: All required courses with a grade point of 2.0 or better.	4		64 Lab 128 Clinical
10513160	MLT Seminar PREREQUISITE: All required courses with a grade point of 2.0 or better.	1	16	
Total semester 5 credits: 12				
Total program credits: 64				