

# SURGICAL TECHNOLOGY, ASSOCIATE IN APPLIED SCIENCE DEGREE

NMC Code 311

Northwestern Michigan College's Surgical Technology program is designed to provide students with the skills and knowledge necessary to become a competent entry level Surgical Technologist. Graduates of the program will be eligible to apply for the Certified Surgical Technologist exam through the National Board of Surgical Technology and Surgical Assisting (NMSTSA). The program includes 36 credit hours of classroom, lab and clinical components over four semesters after prerequisites are met. Cohorts will typically begin in the fall semester and graduate in December (fall, spring, summer, and fall).

## Admission Requirements

- Completion of the admission process for the pre-Surgical Technology AGS Degree for NMC.
- Completion of prerequisite requirements.
- Transfer students must submit official transcripts to determine eligibility.

## Requirements

### Prerequisite Requirements

- College GPA of 2.0 (Overall GPA is defined as a combination of NMC GPA and any transfer courses counted toward the AAS degree.)
- ENG 111 English Composition (2.0 grade or higher)
- HAH 101 Medical Terminology (2.0 grade or higher)
- BIO 227 Human Anatomy & Physiology I/BIO 227L Human Anatomy & Physiology I Lab<sup>1</sup> (2.0 grade or higher. Must have been completed within seven years of program entry.)
- Math Competency: Placement into MTH 121 College Algebra or higher with qualifying test scores or completion of MTH 111 Intermediate Algebra or MTH 120 Mathematical Explorations (2.0 grade or higher.)

### Recommended Courses to Take Prior to Starting the Surgical Tech Program

- BIO 228 Human Anatomy & Physiology II/BIO 228L Human Anatomy & Phys II Lab<sup>1</sup> (2.0 grade or higher) If not successfully completed prior to beginning the program, must be taken during Semester I.
- HPD 110 BLS for Health Care Providers (grade required: S) or an equivalent course
- American Heart Association: HeartCode® BLS (CPR and AED)
- American Red Cross: Basic Life Support for Health Care Providers
- CPR/AED for Professional Rescuers and Health Care Providers

<sup>1</sup> Transfer students must have completed coursework equivalent to BIO 227 Human Anatomy & Physiology I and BIO 228 Human Anatomy & Physiology II with a 2.0 or better within the last seven years before transfer credit will be considered.

## Major Requirements

Course	Title	Credits
<b>General Education Requirements</b>		
ENG 111	English Composition	4
BUS 231	Professional Communications <sup>1</sup>	3-4
or ENG 112	English Composition	
Any Group 1	Humanities course	3
BIO 227	Human Anatomy & Physiology I <sup>2</sup>	4
BIO 228	Human Anatomy & Physiology II <sup>2</sup>	4
PSY 101	Introduction to Psychology	3
or SOC 101	Introduction to Sociology	
<b>Occupational Specialty Requirements</b>		
HAH 101	Medical Terminology	3
SRG 101	Intro to Surgical Technology	3
SRG 101L	Intro to Surg Tech Lab	2
SRG 102	Surgical Microbiology	1.5
SRG 103	Surgical Pharmacology	1.5
SRG 121	Surgical Procedures I	4
SRG 121L	Surgical Procedures I Lab	3.5
SRG 122	The Surgical Patient	0.5
SRG 123	Biomed Sciences and MIS	1.5
SRG 201	Surgical Procedures II	3
SRG 202	Surg Procedures II Clinical	5
SRG 204	Professional Career Prep I	0.5
SRG 221	Surgical Procedures III	3
SRG 222	Surg Procedures III Clinical	6
SRG 224	Professional Career Prep II	1
<b>Total Credits</b>		<b>60-61</b>

<sup>1</sup> BUS 231 Professional Communications is recommended to meet the communications requirement for the AAS degree; however, students who anticipate transferring credits to another school or who plan to pursue a four-year degree are advised to take ENG 112 English Composition.

<sup>2</sup> Transfer students must have completed coursework equivalent to BIO 227 Human Anatomy & Physiology I and BIO 228 Human Anatomy & Physiology II with a 2.0 or better within the last seven years before transfer credit will be considered.

### Program Requirements 60

## Course Sequence Guide

Course	Title	Credits
<b>Prerequisites for Application</b>		
ENG 111	English Composition	4
HAH 101	Medical Terminology	3
BIO 227	Human Anatomy & Physiology I	4
<b>Total Credits</b>		<b>11</b>

Course	Title	Credits
<b>Recommended Prerequisite</b>		
	The following course will be added to the First Semester of Year 1 if not taken prior to admission.	4

BIO 228 Human Anatomy & Physiology II		
<b>Total Credits</b>		<b>4</b>
<b>Course</b>	<b>Title</b>	<b>Credits</b>
<b>Year 1</b>		
<b>Fall</b>		
SRG 101	Intro to Surgical Technology	3
SRG 101L	Intro to Surg Tech Lab	2
SRG 102	Surgical Microbiology	1.5
SRG 103	Surgical Pharmacology	1.5
HPD 110	BLS for Health Care Providers ((CPR) must be completed <b>before</b> third semester begins)	(0.2)
<b>Credits</b>		<b>8</b>
<b>Spring</b>		
SRG 121	Surgical Procedures I	4
SRG 121L	Surgical Procedures I Lab	3.5
SRG 122	The Surgical Patient	0.5
SRG 123	Biomed Sciences and MIS	1.5
<b>Credits</b>		<b>9.5</b>
<b>Summer</b>		
SRG 201	Surgical Procedures II	3
SRG 202	Surg Procedures II Clinical	5
<b>Credits</b>		<b>8</b>
<b>Year 2</b>		
<b>Fall</b>		
SRG 204	Professional Career Prep I	0.5
SRG 221	Surgical Procedures III	3
SRG 222	Surg Procedures III Clinical	6
SRG 224	Professional Career Prep II	1
<b>Credits</b>		<b>10.5</b>
<b>Total Credits</b>		<b>36</b>

The following courses may be taken in any semester prior to graduation:

Course	Title	Credits
BUS 231	Professional Communications	3
or ENG 112	English Composition	
PSY 101	Introduction to Psychology	3
or SOC 101	Introduction to Sociology	
Any Group 1 Humanities Course		3
<b>Total Credits</b>		<b>9</b>

**Total Program Credits 60**