

# Nursing - Associate Degree

10-543-1 Associate Degree (two-year)

Financial Aid Eligible

## Campuses: Ashland\*, New Richmond\*, Rice Lake\*, Superior\*

\* Students in health sciences programs will travel to the Shell Lake Health Education Center. Travel requirements are customized to meet individual program course competencies.

### Program Overview

Nursing is the dynamic interpersonal goal-directed process that seeks to promote optimal health within the context of individuals, family, community and society. The concept of caring, which is central to nursing, is communicated through both attitude and action. Nursing uses the nursing process, a problem-solving approach to provide holistic care to individuals, families and groups within the healthcare system. Through collaboration with other healthcare professionals, nursing is responsive to the needs of the community across the health-illness continuum.



### Special Features

Graduates of the Nursing - Associate Degree program have the option to transfer, with junior standing, into a baccalaureate nursing program at colleges in the University of Wisconsin System and some private colleges.

### Pre-Nursing Admission Requirements

- Complete application form and submit with fee (fee waiver may apply if previously submitted)
- Complete Accuplacer entrance assessment to determine placement (waiver may apply with acceptable alternative test scores and/or postsecondary degree completion); NOTE: required Accuplacer entrance assessment scores for core Nursing coursework are higher than pre-Nursing scores
- Complete Northwood Tech pre-ADN Admissions Quiz
- Review and sign Background Check Disclosure
- Review and sign Functional Abilities Disclosure
- Complete admissions meeting with a Northwood Tech counselor

### Program-Specific Requirements

Pre-Nursing students must complete the petition process to be eligible for the core Nursing program. (See [Nursing-Associate Degree](#) program web page for detailed information.) In addition to the requirements above, students in this program must:

- Complete one year, or one credit, of high school chemistry or one credit of college-level chemistry with a 2.0 or better
  - Complete a Nursing Assistant course with grade of 2.0 or better
  - Complete priority petition for admission forms:
    - Have earned a high school diploma or GED certificate; current high school seniors must provide both a current high school transcript and a final (official) transcript with confer date
    - Northwood Tech transcripts to verify course completion (priority admission is given to students who have completed the ADN program-required General Studies courses)
    - Review and sign Background Check Disclosure
    - Review and sign the Functional Abilities Disclosure
    - Complete and sign Intent to Enter form
  - Prior to attendance in core Nursing coursework, student must:
    - Submit Background Check fee
    - Have an acceptable Wisconsin Caregiver Background Check, National Criminal Background Check, Minnesota Caregiver Background Check (if applicable), and other states if applicable
    - Pass a physical exam, have current immunizations, and demonstrate negative status for tuberculosis (Tb)
    - COVID vaccination---highly recommended
- NOTE:** Northwood Technical College cannot guarantee clinical placement or ability to progress in the program if a student is not able to meet the clinical site requirements including but not limited to; influenza vaccine, covid vaccine, negative tb skin test/quantiferon, up to date acceptable background check, or any other clinical requirements required by

the clinical site. Northwood Technical College cannot guarantee clinical placement if the clinical site must be changed due to students inability to meet the site specific requirements. Many sites require the student information 4-6 weeks prior to the clinical start date.

- Possess current certification of "BLS Basic Life Support" or the equivalent
- Review and sign Health Sciences Confidentiality Statement
- Participate in a mandatory orientation session

Admission and Program-Specific Requirements for the following are located on the [Nursing - Associate Degree](#) program webpage:

- LPN to RN
- Nursing - Associate Degree Transfer Student Requirements
- Northwood Tech/UWEC Nursing Alliance

### Program Outcomes

ADN Graduates will be able to:

- Integrate professional nursing identity reflecting integrity, responsibility, and nursing
- Communicate comprehensive information using multiple sources in nursing practice
- Integrate theoretical knowledge to support decision making
- Integrate the nursing process into patient care across diverse populations
- Function as a healthcare team member to provide safe and effective care

### Career Outlook

Graduates of this program will be qualified for the following position:

- Registered Nurse

### Related Program

- Nursing Assistant

The Nursing-Associate Degree program at Northwood Technical College is accredited by the [Accreditation Commission for Education in Nursing, Inc. \(ACEN\)](#), 3390 Peachtree Road NE, Suite 1400, Atlanta, GA 30326, phone 404-975-5000. The most recent accreditation decision made by the ACEN Board of Commissioners for the associate degree nursing program is continuing accreditation.

The Nursing-Associate Degree program at Northwood Technical College is approved by the [Wisconsin State Board of Nursing](#). Concerns may also be directed to the Board of Nursing, DSPS, PO Box 8366, Madison, WI 53708 – 8366. Phone number: 608.266.2112 Email: [dsps@wi.gov](mailto:dsps@wi.gov)



### Curriculum

Number	Course Title	Credits (cr.)
<b>Technical Studies Courses</b>		
10543101	Nursing Fundamentals*	2 cr.
10543102	Nursing Skills*	3 cr.
10543103	Nursing Pharmacology*	2 cr.
10543104	Nursing: Intro to Clinical Practice*	2 cr.
10543105	Nursing Health Alterations*	3 cr.
10543106	Nursing Health Promotion*	3 cr.
10543107	Nursing: Clinical Care Across Lifespan*	2 cr.
10543108	Nursing: Intro to Clinical Care Management*	2 cr.
10543109	Nursing: Complex Health Alterations 1*	3 cr.
10543110	Nursing: Mental Health and Community Concepts*	2 cr.
10543111	Nursing: Intermediate Clinical Practice*	3 cr.
10543112	Nursing Advanced Skills*	1 cr.
10543113	Nursing: Complex Health Alterations 2*	3 cr.
10543114	Nursing: Management and Professional Concepts*	2 cr.
10543115	Nursing: Advanced Clinical Practice*	3 cr.
10543116	Nursing Clinical Transition*	2 cr.
Technical Studies Total		38 cr.

### General Studies Courses\*\*

10801136	English Composition 1	3 cr.
10801196	Oral/Interpersonal Communication or	
10801198	Speech	3 cr.
10806177	General Anatomy and Physiology	4 cr.
10806179	Advanced Anatomy and Physiology*	4 cr.
10806197	Microbiology*	4 cr.
10809188	Developmental Psychology	3 cr.
10809196	Introduction to Sociology	3 cr.
10809198	Introduction to Psychology	3 cr.
General Studies Total		27 cr.

ELECTIVES	5 cr.
<b>TOTAL PROGRAM REQUIREMENTS</b>	<b>70 cr.</b>

\* Requires a prerequisite and/or corequisite that must be completed with a grade point of 2.0 or better.

\*\* See pages 35-38 for course descriptions.

For all 10543XXX courses, course repeat and failure policies exist within the ADN program that allow for only a certain number of retakes and failures of these classes; please refer to these policies for details.

All courses in the ADN program (core nursing, science, general studies, prerequisites, and electives) must be completed with a grade of 2.0 or better, including 10806177 General Anatomy & Physiology and 10806179 Advanced Anatomy & Physiology.

### Professional Licensure and/or Certification Information

Northwood Tech's Nursing program prepares students to obtain the required licensure to be employed/practice in the state of Wisconsin. The College does not guarantee its curriculum matches the requirements for preparation, examinations, or licensure for other states. Please click below to review more details details about accreditation and licensure.

For more information, visit:

[National Council of State Boards of Nursing \(NCSBN\)](#)  
[State of Wisconsin Department of Safety and Professional Services](#)

# Course Descriptions

(See pages 35-38 for General Studies course descriptions)

## 10543101

### Nursing Fundamentals - Credits: 2

This course focuses on basic nursing concepts to provide evidenced-based care to diverse patient populations across the lifespan. Current and historical issues impacting nursing will be explored within the scope of nursing practice. The nursing process will be introduced as a framework for organizing the care of patients. PREREQUISITE: Admission to Nursing program and COREQUISITE: 10806177 General Anatomy and Physiology.

## 10543102

### Nursing Skills - Credits: 3

This course focuses on development of evidence-based clinical skills and physical assessment across the lifespan. Content includes mathematical calculations and conversions related to clinical skills. In addition the course includes techniques related to obtaining a health history and basic physical assessment skills using a body systems approach. PREREQUISITE: Admission to Nursing program or current LPN license and COREQUISITE: 10806177 General Anatomy and Physiology.

## 10543103

### Nursing Pharmacology - Credits: 2

This course introduces the principles of pharmacology, including drug classifications and their effects on the body. Emphasis is on the use of the components of the nursing process when administering medications. PREREQUISITE: Admission to the Nursing program and COREQUISITE: 10806177 General Anatomy and Physiology.

## 10543104

### Nursing: Intro to Clinical Practice - Credits: 2

This introductory clinical course emphasizes basic nursing skills and application of the nursing process in meeting the needs of diverse clients across the lifespan. Emphasis is placed on performing basic nursing skills, the formation of nurse-client relationships, communication, data collection, documentation, and medication administration. COREQUISITES: 10543101 Nursing Fundamentals, 10543102 Nursing Skills, and 10543103 Nursing Pharmacology, 10801136 English Composition 1, 10809188 Developmental Psychology, and 10806177 General Anatomy and Physiology.

## 10543105

### Nursing Health Alterations - Credits: 3

This course elaborates upon the basic concepts of health and illness as presented in Nursing Fundamentals. It applies theories of nursing in the care of patients through the lifespan, utilizing problem solving and critical thinking. This course will provide an opportunity to study conditions affecting different body systems and apply evidence-based nursing interventions. It will also introduce concepts of leadership and management. PREREQUISITES: 10543101 Nursing Fundamentals, 10543102 Nursing Skills, 10543103 Nursing Pharmacology, 10543104 Nursing: Introduction to Clinical Practice, and 10806177 General Anatomy and Physiology.

## 10543106

### Nursing Health Promotion - Credits: 3

This course focuses on topics related to health promotion for individuals and families throughout the lifespan. We will cover nursing care of the developing family, which includes reproductive issues, pregnancy, labor and delivery, postpartum, the newborn, and the child. Recognizing the spectrum of healthy families we will discern patterns associated with adaptive and maladaptive behaviors applying mental health principles. An emphasis is placed on teaching and supporting healthy lifestyles choices for individuals of all ages. Nutrition, exercise, stress management,

empowerment, and risk reduction practices are highlighted. Study of the family will cover dynamics, functions, discipline styles, and stages of development. PREREQUISITES: 10543101 Nursing Fundamentals, 10543102 Nursing Skills, 10543103 Nursing Pharmacology, 10543104 Nursing: Introduction to Clinical Practice, 10806177 General Anatomy and Physiology, and 10809188 Developmental Psychology and COREQUISITE: 10806179 Advanced Anatomy and Physiology.

## 10543107

### Nursing: Clinical Care Across Lifespan - Credits: 2

This clinical experience applies nursing concepts and therapeutic interventions to patients across the lifespan. It also provides an introduction to concepts of teaching and learning. Extending care to include the family is emphasized. COREQUISITE: 10543106 Nursing Health Promotion.

## 10543108

### Nursing: Intro to Clinical Care Management - Credits: 2

This clinical experience applies nursing concepts and therapeutic nursing interventions to groups of patients across the lifespan. It also provides an introduction to leadership, management, and team building. COREQUISITES: 10543105 Nursing Health Alterations, 10806179 Advanced Anatomy and Physiology, and 10801196 Oral/Interpersonal Communication.

## 10543109

### Nursing: Complex Health Alterations 1 - Credits: 3

Complex Health Alterations 1 prepares the learner to provide and evaluate care for patients across the lifespan with alterations in cardiovascular, respiratory, endocrine, and hematologic systems as well as patients with fluid/electrolyte and acid-base imbalance, and alterations in comfort. PREREQUISITES: 10543105 Nursing Health Alterations, 10543106 Nursing Health Promotion, 10543107 Nursing: Clinical Care Across the Lifespan, 10543108 Nursing: Introduction to Clinical Care Management, 10806179 Advanced Anatomy and Physiology, and COREQUISITE: 10806197 Microbiology.

## 10543110

### Nursing: Mental Health and Community Concepts - Credits: 2

This course will cover topics related to the delivery of community and mental health care. Specific health needs of individuals, families, and groups will be addressed across the lifespan. Attention will be given to diverse and at-risk populations. Mental health concepts will concentrate on adaptive/maladaptive behaviors and specific mental health disorders. Community resources will be examined in relation to specific types of support offered to racial, ethnic, economically diverse individuals and groups. PREREQUISITES: 10543105 Nursing Health Alterations, 10543106 Nursing Health Promotion, 10543107 Nursing: Clinical Care Across the Lifespan, 10543108 Nursing: Introduction to Clinical Care Management, 10806179 Advanced Anatomy and Physiology, and COREQUISITE: 10809198 Introduction to Psychology.

## 10543111

### Nursing: Intermediate Clinical Practice - Credits: 3

This intermediate level clinical course develops the RN role when working with clients with complex health care needs. A focus of the course is developing skills needed for managing multiple clients across the lifespan and priorities. Using the nursing process, students will gain experience in adapting nursing practice to meet the needs of clients with diverse needs and backgrounds. COREQUISITES: 10543109 Nursing Complex Health Alterations 1, 10543110 Nursing: Mental

Health and Community Concepts, and 10543112 Nursing Advanced Skills, 10809198 Introduction to Psychology, and 10806197 Microbiology.

## 10543112

### Nursing Advanced Skills - Credits: 1

This course focuses on the development of advanced clinical skills across the lifespan. Content includes advanced intravenous skills, blood product administration, chest tube systems, basic electrocardiogram interpretation and nasogastric/feeding tube insertion. PREREQUISITES: 10543105 Nursing Health Alterations, 10543106 Nursing Health Promotion, 10543107 Nursing: Clinical Care Across the Lifespan, 10543108 Nursing: Introduction to Clinical Care Management, and 10806179 Advanced Anatomy and Physiology.

## 10543113

### Nursing: Complex Health Alterations 2 - Credits: 3

Complex Health Alterations 2 prepares the learner to provide and evaluate care for patients across the lifespan with alterations in the immune, neuro-sensory, musculoskeletal, gastrointestinal, hepatobiliary, renal/urinary, reproductive systems and shock, burns and trauma. The learner will also focus on management of care for patients with high-risk perinatal conditions and high-risk newborns. PREREQUISITES: 10543109 Nursing Complex Health Alterations 1, 10543110 Nursing: Mental Health and Community Concepts, 10543111 Nursing: Intermediate Clinical Practice, 10543112 Nursing Advanced Skills, and 10806197 Microbiology.

## 10543114

### Nursing: Management and Professional Concepts - Credits: 2

This course covers nursing management and professional issues related to the role of the registered nurse. Emphasis is placed on preparing for practice as a registered nurse. PREREQUISITES: 10543109 Nursing: Complex Health Alterations 1, 10543110 Nursing: Mental Health and Community Concepts, 10543111 Nursing: Intermediate Clinical Practice, and 10543112 Nursing Advanced Skills.

## 10543115

### Nursing: Advanced Clinical Practice - Credits: 3

This advanced clinical course requires the student to integrate concepts from all previous courses in the management of groups of clients facing complex health alterations. Students will have the opportunity to further develop critical thinking skills using the nursing process in making clinical decisions. Continuity of care through interdisciplinary collaboration is emphasized. COREQUISITES: 10543113 Nursing Complex Health Alterations 2, and 10809196 Introduction to Sociology.

## 10543116

### Nursing Clinical Transition - Credits: 2

This clinical experience integrates all knowledge learned in the previous courses in transitioning to the role of the graduate nurse. The course promotes relatively independent clinical decisions, delegation, and works collaboratively with others to achieve client and organizational outcomes. Continued professional development is fostered. PREREQUISITES: 10543113 Nursing Complex Health Alterations 2, 10543114 Nursing Management and Professional Concepts, and 10543115 Nursing Advanced Clinical Practice.

# Nursing - Associate Degree - Part Time (four years)

10-543-1 Associate Degree

Campus: Online

Clinical and Skills Labs will have On Site clinic and/or campus requirements (Shell Lake Health Education Center). Some travel required

Financial Aid Eligible



Northwood  
Technical College

## Program Overview

Nursing is the dynamic interpersonal goal-directed process that seeks to promote optimal health within the context of individuals, family, community and society. The concept of caring, which is central to nursing, is communicated through both attitude and action. Nursing uses the nursing process, a problem-solving approach to provide holistic care to individuals, families and groups within the healthcare system. Through collaboration with other healthcare professionals, nursing is responsive to the needs of the community across the health-illness continuum.

## Special Features

- Advisors will be available to coach, mentor and motivate you throughout the program. They will assist with academic-related issues, including enhancement of study skills and college success strategies and facilitate individual and/or study groups
- Classes will be available online with travel required to the College's Health Education Center located in Shell Lake for labs and clinical simulation.
- Graduates of the Nursing - Associate Degree program have the option to transfer, with junior standing, into a baccalaureate nursing program at colleges in the University of Wisconsin System and some private colleges.

## Admission Requirements

Admission to the program is based on the date the student completes all admissions requirement and is first-come first-served.

- Complete application form and submit with fee (fee waiver may apply if previously submitted)
- Complete Accuplacer entrance assessment to determine placement (waiver may apply with acceptable alternative test scores and/or postsecondary degree completion); note: Core Nursing Accuplacer entrance assessment scores required
- Review and sign Background Check Disclosure
- Review and sign Functional Abilities Disclosure
- Have earned a high school diploma or GED certificate; current high school seniors must provide both a current high school transcript and a final (official) transcript with confer date prior to term start
- Complete one year, or one credit, of high school chemistry or one credit of college-level chemistry with a 2.0 or better
- Complete a Nursing Assistant course with grade of 2.0 or better
- Complete admissions meeting with a Northwood Tech counselor

(academic admission requirements apply - see page 30 for more information)

## Program-Specific Requirements

- Prior to attendance in core Nursing coursework, student must:
    - Submit Background Check fee
    - Have an acceptable Wisconsin Caregiver Background Check, National Criminal Background Check, Minnesota Caregiver Background Check (if applicable), and other states if applicable
    - Pass a physical exam, have current immunizations, and demonstrate negative status for tuberculosis (Tb)
    - COVID vaccination---highly recommended
- NOTE:** Northwood Technical College cannot guarantee clinical placement or ability to progress in the program if a student is not able to meet the clinical site requirements including but not limited to; influenza vaccine, covid vaccine, negative tb skin test/quantiferon, up to date acceptable background check, or any other clinical requirements required by the clinical site. Northwood Technical College cannot

guarantee clinical placement if the clinical site must be changed due to students inability to meet the site specific requirements. Many sites require the student information 4-6 weeks prior to the clinical start date.

- Possess current certification of "BLS Basic Life Support" or equivalent
- Review and sign Health Sciences Confidentiality Statement
- Participate in a mandatory orientation session

## Program Outcomes

ADN Graduates will be able to:

- Integrate professional nursing identity reflecting integrity, responsibility, and nursing
- Communicate comprehensive information using multiple sources in nursing practice
- Integrate theoretical knowledge to support decision making
- Integrate the nursing process into patient care across diverse populations
- Function as a healthcare team member to provide safe and effective care

## Career Outlook

Graduates of this program will be qualified for the following position:

- Registered Nurse

## Related Program

- Nursing Assistant

The Nursing-Associate Degree program at Northwood Technical College is accredited by the [Accreditation Commission for Education in Nursing, Inc. \(ACEN\)](#), 3390 Peachtree Road NE, Suite 1400, Atlanta, GA 30326, phone 404-975-5000. The most recent accreditation decision made by the ACEN Board of Commissioners for the associate degree nursing program is continuing accreditation.

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Email: [dsps@wi.gov](mailto:dsps@wi.gov)



## Curriculum

Number	Course Title	Credits (cr.)
<b>Technical Studies Courses</b>		
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10543104	Nursing: Intro to Clinical Practice*	2 cr.
10543105	Nursing Health Alterations*	3 cr.
10543106	Nursing Health Promotion*	3 cr.
10543107	Nursing: Clinical Care Across Lifespan*	2 cr.
10543108	Nursing: Intro to Clinical Care Management*	2 cr.
10543109	Nursing: Complex Health Alterations 1*	3 cr.
10543110	Nursing: Mental Health and Community Concepts*	2 cr.
10543111	Nursing: Intermediate Clinical Practice*	3 cr.
10543112	Nursing Advanced Skills*	1 cr.
10543113	Nursing: Complex Health Alterations 2*	3 cr.
10543114	Nursing: Management and Professional Concepts*	2 cr.
10543115	Nursing: Advanced Clinical Practice*	3 cr.
10543116	Nursing Clinical Transition*	2 cr.
Technial Studies Total		38 cr

## General Studies Courses\*\*

10801136	English Composition 1	3 cr
10801196	Oral/Interpersonal Communication or	
10801198	Speech	3 cr
10806177	General Anatomy and Physiology	4 cr
10806179	Advanced Anatomy and Physiology*	4 cr
10806197	Microbiology*	4 cr
10809188	Developmental Psychology	3 cr
10809196	Introduction to Sociology	3 cr
10809198	Introduction to Psychology	3 cr
General Studies Total		27 cr

ELECTIVES 5 cr

**TOTAL PROGRAM REQUIREMENTS 70 cr.**

\* Requires a prerequisite and/or corequisite that must be completed with a grade point of 2.0 or better.

\*\* See pages 35-38 for course descriptions.

For all 10543XXX courses, course repeat and failure policies exist within the ADN program that allow for only a certain number of retakes and failures of these classes; please refer to these policies for details.

All courses in the ADN program (core nursing, science, general studies, prerequisites, and electives) must be completed with a grade of 2.0 or better, including 10806177 General Anatomy & Physiology and 10806179 Advanced Anatomy & Physiology.

## Professional Licensure and/or Certification Information

Northwood Tech's Nursing program prepares students to obtain the required licensure to be employed/practice in the state of Wisconsin. The College does not guarantee its curriculum matches the requirements for preparation, examinations, or licensure for other states. Please click below to review more details about accreditation and licensure.

[National Council of State Boards of Nursing \(NCSBN\)](#)

[State of Wisconsin Department of Safety and Professional Services](#)

# Course Descriptions

(See pages 35-38 for General Studies course descriptions)

## 10543101

### **Nursing Fundamentals - Credits: 2**

This course focuses on basic nursing concepts to provide evidenced-based care to diverse patient populations across the lifespan. Current and historical issues impacting nursing will be explored within the scope of nursing practice. The nursing process will be introduced as a framework for organizing the care of patients. PREREQUISITE: Admission to Nursing program and COREQUISITE: 10806177 General Anatomy and Physiology.

## 10543102

### **Nursing Skills - Credits: 3**

This course focuses on development of evidence-based clinical skills and physical assessment across the lifespan. Content includes mathematical calculations and conversions related to clinical skills. In addition the course includes techniques related to obtaining a health history and basic physical assessment skills using a body systems approach. PREREQUISITE: Admission to Nursing program or current LPN license and COREQUISITE: 10806177 General Anatomy and Physiology.

## 10543103

### **Nursing Pharmacology - Credits: 2**

This course introduces the principles of pharmacology, including drug classifications and their effects on the body. Emphasis is on the use of the components of the nursing process when administering medications. PREREQUISITE: Admission to the Nursing program and COREQUISITE: 10806177 General Anatomy and Physiology.

## 10543104

### **Nursing: Intro to Clinical Practice - Credits: 2**

This introductory clinical course emphasizes basic nursing skills and application of the nursing process in meeting the needs of diverse clients across the lifespan. Emphasis is placed on performing basic nursing skills, the formation of nurse-client relationships, communication, data collection, documentation, and medication administration. COREQUISITES: 10543101 Nursing Fundamentals, 10543102 Nursing Skills, and 10543103 Nursing Pharmacology, 10801136 English Composition 1, 10809188 Developmental Psychology, and 10806177 General Anatomy and Physiology.

## 10543105

### **Nursing Health Alterations - Credits: 3**

This course elaborates upon the basic concepts of health and illness as presented in Nursing Fundamentals. It applies theories of nursing in the care of patients through the lifespan, utilizing problem solving and critical thinking. This course will provide an opportunity to study conditions affecting different body systems and apply evidence-based nursing interventions. It will also introduce concepts of leadership and management. PREREQUISITES: 10543101 Nursing Fundamentals, 10543102 Nursing Skills, 10543103 Nursing Pharmacology, 10543104 Nursing: Introduction to Clinical Practice, and 10806177 General Anatomy and Physiology.

## 10543106

### **Nursing Health Promotion - Credits: 3**

This course focuses on topics related to health promotion for individuals and families throughout the lifespan. We will cover nursing care of the developing family, which includes reproductive issues, pregnancy, labor and delivery, postpartum, the newborn, and the child. Recognizing the spectrum of healthy families we will discern patterns associated with adaptive and maladaptive behaviors applying mental health principles. An emphasis is placed on teaching and supporting healthy lifestyles choices for individuals of all ages. Nutrition, exercise, stress management,

empowerment, and risk reduction practices are highlighted. Study of the family will cover dynamics, functions, discipline styles, and stages of development. PREREQUISITES: 10543101 Nursing Fundamentals, 10543102 Nursing Skills, 10543103 Nursing Pharmacology, 10543104 Nursing: Introduction to Clinical Practice, 10806177 General Anatomy and Physiology, and 10809188 Developmental Psychology and COREQUISITE: 10806179 Advanced Anatomy and Physiology.

## 10543107

### **Nursing: Clinical Care Across Lifespan - Credits: 2**

This clinical experience applies nursing concepts and therapeutic interventions to patients across the lifespan. It also provides an introduction to concepts of teaching and learning. Extending care to include the family is emphasized. COREQUISITE: 10543106 Nursing Health Promotion.

## 10543108

### **Nursing: Intro to Clinical Care Management - Credits: 2**

This clinical experience applies nursing concepts and therapeutic nursing interventions to groups of patients across the lifespan. It also provides an introduction to leadership, management, and team building. COREQUISITES: 10543105 Nursing Health Alterations, 10806179 Advanced Anatomy and Physiology, and 10801196 Oral/Interpersonal Communication.

## 10543109

### **Nursing: Complex Health Alterations 1 - Credits: 3**

Complex Health Alterations 1 prepares the learner to provide and evaluate care for patients across the lifespan with alterations in cardiovascular, respiratory, endocrine, and hematologic systems as well as patients with fluid/electrolyte and acid-base imbalance, and alterations in comfort. PREREQUISITES: 10543105 Nursing Health Alterations, 10543106 Nursing Health Promotion, 10543107 Nursing: Clinical Care Across the Lifespan, 10543108 Nursing: Introduction to Clinical Care Management, 10806179 Advanced Anatomy and Physiology, and COREQUISITE: 10806197 Microbiology.

## 10543110

### **Nursing: Mental Health and Community Concepts - Credits: 2**

This course will cover topics related to the delivery of community and mental health care. Specific health needs of individuals, families, and groups will be addressed across the lifespan. Attention will be given to diverse and at-risk populations. Mental health concepts will concentrate on adaptive/maladaptive behaviors and specific mental health disorders. Community resources will be examined in relation to specific types of support offered to racial, ethnic, economically diverse individuals and groups. PREREQUISITES: 10543105 Nursing Health Alterations, 10543106 Nursing Health Promotion, 10543107 Nursing: Clinical Care Across the Lifespan, 10543108 Nursing: Introduction to Clinical Care Management, 10806179 Advanced Anatomy and Physiology, and COREQUISITE: 10809198 Introduction to Psychology.

## 10543111

### **Nursing: Intermediate Clinical Practice - Credits: 3**

This intermediate level clinical course develops the RN role when working with clients with complex health care needs. A focus of the course is developing skills needed for managing multiple clients across the lifespan and priorities. Using the nursing process, students will gain experience in adapting nursing practice to meet the needs of clients with diverse needs and backgrounds. COREQUISITES: 10543109 Nursing Complex Health Alterations 1, 10543110 Nursing: Mental

Health and Community Concepts, and 10543112 Nursing Advanced Skills, 10809198 Introduction to Psychology, and 10806197 Microbiology.

## 10543112

### **Nursing Advanced Skills - Credits: 1**

This course focuses on the development of advanced clinical skills across the lifespan. Content includes advanced intravenous skills, blood product administration, chest tube systems, basic electrocardiogram interpretation and nasogastric/feeding tube insertion. PREREQUISITES: 10543105 Nursing Health Alterations, 10543106 Nursing Health Promotion, 10543107 Nursing: Clinical Care Across the Lifespan, 10543108 Nursing: Introduction to Clinical Care Management, and 10806179 Advanced Anatomy and Physiology.

## 10543113

### **Nursing: Complex Health Alterations 2 - Credits: 3**

Complex Health Alterations 2 prepares the learner to provide and evaluate care for patients across the lifespan with alterations in the immune, neuro-sensory, musculoskeletal, gastrointestinal, hepatobiliary, renal/urinary, reproductive systems and shock, burns and trauma. The learner will also focus on management of care for patients with high-risk perinatal conditions and high-risk newborns. PREREQUISITES: 10543109 Nursing Complex Health Alterations 1, 10543110 Nursing: Mental Health and Community Concepts, 10543111 Nursing: Intermediate Clinical Practice, 10543112 Nursing Advanced Skills, and 10806197 Microbiology.

## 10543114

### **Nursing: Management and Professional Concepts - Credits: 2**

This course covers nursing management and professional issues related to the role of the registered nurse. Emphasis is placed on preparing for practice as a registered nurse. PREREQUISITES: 10543109 Nursing: Complex Health Alterations 1, 10543110 Nursing: Mental Health and Community Concepts, 10543111 Nursing: Intermediate Clinical Practice, and 10543112 Nursing Advanced Skills.

## 10543115

### **Nursing: Advanced Clinical Practice - Credits: 3**

This advanced clinical course requires the student to integrate concepts from all previous courses in the management of groups of clients facing complex health alterations. Students will have the opportunity to further develop critical thinking skills using the nursing process in making clinical decisions. Continuity of care through interdisciplinary collaboration is emphasized. COREQUISITES: 10543113 Nursing Complex Health Alterations 2, and 10809196 Introduction to Sociology.

## 10543116

### **Nursing Clinical Transition - Credits: 2**

This clinical experience integrates all knowledge learned in the previous courses in transitioning to the role of the graduate nurse. The course promotes relatively independent clinical decisions, delegation, and works collaboratively with others to achieve client and organizational outcomes. Continued professional development is fostered. PREREQUISITES: 10543113 Nursing Complex Health Alterations 2, 10543114 Nursing Management and Professional Concepts, and 10543115 Nursing Advanced Clinical Practice.

# General Studies

**Campuses: Ashland\*, New Richmond\*, Rice Lake\*, Superior\***

**Outreach Centers: Balsam Lake\*, Hayward\*, Ladysmith\***

\*Combination of Online, Your Choice, or On Site instruction. Select courses are available at the Northwood Tech Outreach Centers. Please contact your local campus for specifics.



## General Information

General Studies offers courses in communication, mathematics, science, social science, and behavioral science that provide the foundation for degree, certificate, and diploma programs at Northwood Tech

Prepared Learned courses equip students with the skills necessary to master college-level curricula. Academic history, self-awareness, and/or length of time away from formal education steer students to these courses. Prepared Learner courses carry college credits and are eligible for financial aid.

Academic Support offers individualized and group instruction in English, social studies, science, reading, mathematics, English Language Learning (ELL), civics, health, career exploration, and employability skills. Persons may attend classes to prepare for entry into specific Northwood Tech courses, to receive academic support with current program course materials, to prepare for employment, to increase knowledge of oral and written communication, and to fulfill personal goals. GED/HSED preparation and testing services are also available.

University Transfer Courses and Degrees

Northwood Tech offers both a University Transfer Degree-Associate to Bachelor's/Arts and a University Transfer Degree-Associate to Bachelor's/Science degree. The University Transfer programs are an academic partnership with UW-Superior so a full slate of Liberal Arts courses are available to complete the degrees. Courses are available Online and Online Live delivery modes so they are available anywhere you have reliable and available internet access. The combination of Northwood Tech General Studies courses and UW-Superior courses enable a Northwood Tech students to work toward a full Associate to Bachelor's/Arts or Associate to Bachelor's/Science degree, while still living, working and going to school near home. For more information, see the University Transfer degree pages (202-205).

## General Studies Courses

### Communication

10801136	English Composition 1
10801196	Oral/Interpersonal Communication
10801197	Technical Reporting
10801198	Speech
32801361	Applied Communications
32801362	Advanced Communication Skills*
10838104	Intro to College Reading
76851740	Writing Foundations
76851750	Writing Foundations for Trades
76858740	Reading Foundations
99831900	Writing Essentials

### Mathematics

10804107	College Mathematics
10804113	College Technical Mathematics 1A
10804114	College Technical Mathematics 1B*
10804118	Intermediate Algebra with Applications*
10804123	Math with Business Applications
10804133	Mathematics and Logic
10804138	Math for Health Professionals
10804189	Introductory Statistics*
10804196	Trigonometry with Applications*
10834109	Pre-Algebra
20804224	College Algebra with Applications*
32804303	Applied Math
32804313	Applied Math 2*
32804325	Applied Technical Math 1
32804334	Applied Technical Math 2*
32804335	Advanced Technical Math*
76854745	Math Foundations
76854740	Math Foundations for Health
76854750	Math Foundations for Trades

### Science

10806105	Principles of Animal Biology
10806112	Principles of Sustainability
10806114	General Biology
10806134	General Chemistry
10806140	Chemistry
10806175	Pathophysiology*
10806177	General Anatomy and Physiology
10806179	Advanced Anatomy and Physiology*
10806197	Microbiology*
10806198	Human Biology

### Social Science

10809122	Introduction to American Government
10809143	Microeconomics
10809144	Macroeconomics
10809166	Introduction to Ethics: Theory and Application
10809172	Introduction to Diversity Studies
10809195	Economics
10809196	Introduction to Sociology

### Behavioral Science

10809159	Abnormal Psychology*
10809188	Developmental Psychology
10809198	Introduction to Psychology
32809380	Applied Interpersonal Skills

### Interdisciplinary

10835103	Study Skills
10890116	Job Quest
30890320	Working Smart
76890765	Study Skills for Allied Health

\* Requires a prerequisite and/or corequisite that must be completed with a grade point of 2.0 or better unless otherwise specified by program requirements.

## Academic Support Courses

Various levels of coursework are offered in the following areas:

- English
- Social Studies
- Science
- Reading
- Mathematics
- English Language Learning (ELL)
- Civics
- Health
- Employability Skills
- GED/HSED Orientation

# General Studies Course Descriptions

## Communication

**10801136**

### English Composition 1 - Credits: 3

This course is designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing and revising are applied through a variety of activities. Students will analyze audience and purpose, use elements of research, and format documents using standard guidelines. Individuals will develop critical reading skills through analysis of various written documents. This course focuses on writing-intensive practices and meets expectations of High Impact Practice courses. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10801196**

### Oral/Interpersonal Communication - Credits: 3

Focuses on developing effective listening techniques and verbal and nonverbal communication skills through oral presentation, group activity, and other projects. The study of self, conflict, and cultural contexts will be explored, as well as their impact on communication. This course focuses on writing-intensive practices and meets expectations of High Impact Practice courses. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10801197**

### Technical Reporting - Credits: 3

Prepare and present written, oral, and visual communication products, including instructions, proposals, informal and formal reports. Produce clear, usable communication by incorporating information design principles, arranging content to satisfy diverse audience needs, and presenting visuals for various contexts. Designed as an advanced course to develop collaborative communication practices, information literacy skills, and ethically responsible professional communication strategies. This course focuses on writing-intensive practices and meets expectations of High Impact Practice courses. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10801198**

### Speech - Credits: 3

Explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of the course. This course focuses on writing-intensive practices and meets expectations of High Impact Practice courses. Note: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**32801361**

### Applied Communications - Credits: 2

This basic communication course focuses on effective listening, speaking, reading, and writing in life and at work. Students demonstrate their skills both individually and in groups. Students also produce such employment documents as a cover letter, a resume, and a preliminary job portfolio.

**32801362**

### Advanced Communication Skills - Credits: 2

This course focuses on building effective professional and personal communication skills. Students will practice, prepare, and deliver program-specific written communications, presentations, and interpersonal communication scenarios for diverse audiences. The course also examines the importance of community and engagement, and includes best practices in Computer-Mediated Communication. PREREQUISITE: 32801361 Applied Communications.

**10838104**

### Intro to College Reading - Credits: 2

Provides learners with opportunities to develop and expand reading skills including comprehension and vocabulary. Learners apply reading skills to academic tasks and read to acquire information from a variety of sources.

**76851740**

### Writing Foundations

Writing Foundations is a course designed to improve a student's writing skills to prepare the student for success in Intro to College Writing. Completing the course with a grade of C or higher will allow a student to enter Intro to College Writing.

**76851750**

### Writing Foundations for Trades

Writing Foundations for Trades is a course designed to improve a student's writing skills to prepare the student for success in trades programs.

**76858740**

### Reading Foundations

Reading Foundations is a course designed to improve a student's reading skills to prepare the student for success in Intro to College Reading. Completing the course with a grade of C or higher will allow a student to enter Intro to College Reading.

**99831900**

### Writing Essentials - Credits: 2

This transitional course prepares students for success in English Composition 1. Topics include basic principles of composition, including organization, development, unity, and coherence in paragraphs and multi-paragraph documents. This course cannot be used to meet any General Studies course requirements for graduation in a program. COREQUISITE: 10801136 English Composition 1.

## Mathematics

**10804107**

### College Mathematics - Credits: 3

This course is designed to review and develop fundamental concepts of mathematics in the areas of algebra, geometry, trigonometry, measurement and data. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators.

**10804113**

### College Technical Mathematics 1A - Credits: 3

Topics include: solving linear equations, graphing, percent, proportions, measurement systems, computational geometry, and right triangle trigonometry. Emphasis will be on the application of skills to technical problems. Successful completion of College Technical Mathematics 1A and College Technical Mathematics 1B is the equivalent of College Technical Mathematics 1.

**10804114**

### College Technical Mathematics 1B - Credits: 2

This course is a continuation of College Technical Mathematics 1A. Topics include: performing operations on polynomials, solving quadratic and rational equations, formula rearrangement, solving systems of equations, and oblique triangle trigonometry. Emphasis will be on the application of skills to technical problems. Successful completion of or concurrent enrollment in College Technical Mathematics 1A is required for course enrollment. Successful completion of College Technical Mathematics 1A and College Technical Mathematics 1B is the equivalent of College Technical Mathematics 1. PREREQUISITE: 10804113 College Technical Mathematics 1A.

**10804118**

### Intermediate Algebra with Applications - Credits: 4

This course offers algebra content with applications. Topics include properties of real numbers, order of operations, algebraic solution for linear equations and inequalities, operations with polynomial and rational expressions, operations with rational exponents and radicals, algebra of inverse, logarithmic and exponential functions. Students in this college transfer course will complete a scholarly research/academic assignment. PREREQUISITE: 10834109 Pre-Algebra, 10804114 College Technical Mathematics 1B, any associate degree or college parallel level WTCS mathematics course,

or additional measures may be considered as determined by the counselor.

**10804123**

### Math with Business Applications - Credits: 3

This course integrates algebraic concepts, proportions, percents, simple interest, compound interest, annuities, and basic statistics with business/consumer scenarios. It also applies math concepts to the purchasing/buying and selling processes. Emphasis is placed on the use of complex formulas for sinking funds and for present/future value and payments in both the accumulation and distribution phases of an annuity as well as to the development of formulas for business scenarios such as finding effective interest rates and finding the proceeds of a third-party discount.

**10804133**

### Mathematics and Logic - Credits: 3

Students will apply mathematical problem solving techniques. Topics will include symbolic logic, sets, algebra, Boolean algebra, and number bases.

**10804138**

### Math for Health Professionals - Credits: 2

Following an arithmetic review, this course emphasizes those mathematical skills necessary for success in the nursing field and related health occupations. Emphasis will be placed on computational skills and applications of rational numbers; problem solving skills with ratios, proportions, and percents; basic principles and application of algebra, graphing, and statistics; measurement skills in U.S. Customary and Metric systems as well as apothecary and household systems; and the use of calculators as a tool.

**10804189**

### Introductory Statistics - Credits: 3

Students taking Introductory Statistics display data with graphs, describe distributions with numbers, perform correlation and regression analyses, and design experiments. They use probability and distributions to make predictions, estimate parameters, and test hypotheses. They draw inferences about relationships including ANOVA. Students in this college transfer course will complete a scholarly research/academic assignment. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA). Recommended Prerequisite: Introductory computer skills to include spreadsheets. PREREQUISITES: 10834109 Pre-Algebra, any associate degree or college parallel level WTCS mathematics course, or additional measures may be considered as determined by the counselor.

**10804196**

### Trigonometry with Applications - Credits: 3

Topics include the unit circle, trigonometric functions, graphs, identities, equations, inverse functions, solutions of triangles, complex numbers, polar coordinates, and vectors. Students in this college transfer course will complete a scholarly research/academic assignment. PREREQUISITE: 10804118 Intermediate Algebra with Applications NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10834109**

### Pre-Algebra - Credits: 3

Provides an introduction to algebra. Includes operations on real numbers, solving linear equations, percent and proportion, and an introduction to polynomials and statistics. Prepares students for elementary algebra and subsequent algebra related courses. This course cannot be used to meet any General Studies course requirements for graduation in a program.

# General Studies Course Descriptions

20804224

**College Algebra with Applications - Credits: 4**  
Algebraic concepts, techniques, and applications are studied with topics including the complex number system, functions and graphs (polynomial, rational, exponential, and logarithmic), systems of equations, properties of matrices, and binomial theorem. Students in this college transfer course will complete a scholarly research/academic assignment. PREREQUISITES: 10804118 Intermediate Algebra with Applications, any associate degree or college parallel level WTCS mathematics course, or additional measures may be considered as determined by the counselor.

32804303

**Applied Math - Credits: 2**  
This course covers practical applications of whole numbers, fractions, decimals, percent, proportion, and formula evaluation. The course also includes measurement, U.S. and metric systems of measurement, and basic geometry.

32804313

**Applied Math 2 - Credits: 2**  
This course is a continuation of Applied Math. A more thorough coverage of solving equations and rearranging formulas with special applications to formulas used in the mechanical technician programs. Other topics include a study of solid geometry and direct and inverse proportions for work with hydraulics and transmission studies. The course is team-taught with the core instructor and direct application of math skills taught will be assessed in the math class and during time spent with the core instructor. PREREQUISITE: 32804303 Applied Math.

32804325

**Applied Technical Math 1 - Credits: 3**  
This technical diploma course begins with a short review of basic arithmetic skills and continues with the application of these skills. Problem solving involving fractional and decimal dimensions is emphasized. The course also includes introductory algebra with emphasis on utilization of formulas including work with signed numbers. First-degree equation solution is also emphasized.

32804334

**Applied Technical Math 2 - Credits: 2**  
This technical diploma course is a continuation of Applied Technical Math 1. Topics covered include the basic geometry of plane and solid figures, right-triangle trigonometry, oblique-triangle trigonometry, and applications of these topics to trade and industry programs. PREREQUISITE: 32804325 Applied Technical Math 1.

32804335

**Advanced Technical Math - Credits: 3**  
This technical diploma course is a continuation of Applied Technical Math 1. Topics covered include the basic geometry of plane and solid figures, right-triangle trigonometry, oblique-triangle trigonometry, and applications of these topics to trade and technical programs. Additional topics covered in this course are program specific. These topics include applications to machine shop formulas, Cartesian coordinates, point-to-point programming, land-surveying mathematics, and framing-square calculations. PREREQUISITE: 32804325 Applied Technical Math 1.

76854745

**Math Foundations**  
Math Foundations is a course designed to improve a student's math skills to support their success in Pre-Algebra. Students will be able to co-enroll in Pre-Algebra. Completing the course with a grade of C or higher should prepare a student to successfully complete their Pre-Algebra course.

76854740

**Math Foundations for Health**  
Math Foundations for Health is a course designed to improve a student's math skills to prepare the student for success in health programs.

76854750

**Math Foundations for Trades**  
Math Foundations for Trades is a course designed to improve a student's math skills to support their success in Applied Math or Applied Technical Math 1. Students in Math Foundations for Trades will be able to co-enroll in Applied Math or Applied Technical Math 1. Completing the course with a grade of C or higher should prepare a student to successfully complete their Applied Math or Applied Technical Math 1 course.

## Science

10806105

**Principles of Animal Biology - Credits: 4**  
Introductory course focusing on general biological principles, cell structure and function, genetics, comparative anatomy and physiology, evolution, and ecosystems. Includes dissection of various fresh and preserved materials. This course is appropriate for OTA, AODA and other allied health students. (This course is a prerequisite to Microbiology.) PREREQUISITE: Admission to Veterinary Technician plan.

10806112

**Principles of Sustainability - Credits: 3**  
Prepares the student to develop sustainable literacy, analyze the interconnections among the physical and biological sciences and environmental systems, summarize the effects of sustainability on health and well-being, analyze connections among social, economic, and environmental systems, employ energy conservation strategies to reduce the use of fossil fuels, investigate alternative energy options, evaluate options to current waste disposal and recycling in the U.S., and analyze approaches used by your community to promote and implement sustainability. Students in this college transfer course will complete a scholarly research/academic assignment.

10806114

**General Biology - Credits: 4**  
Introduces general biological concepts and principles. Emphasis is on cell structure and function, genetics, evolution, and taxonomical relationships. Consideration is also given to diversity among the various kingdoms. Students in this college transfer course will complete a scholarly research/academic assignment. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

10806134

**General Chemistry - Credits: 4**  
Covers the fundamentals of chemistry. Topics include the metric system, problem solving, periodic relationships, chemical reactions, chemical equilibrium, properties of water; acids, bases, and salts; and gas laws. Students in this college transfer course will complete a scholarly research/academic assignment. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

10806140

**Chemistry - Credits: 1**  
This is a combined lecture/laboratory course for those entering health occupations programs. You will study chemical bonds and the solution process; chemical reactions and chemical equilibria; and acids and bases. You will participate in labs where appropriate. No previous background in chemistry is required. Good math skills are helpful.

10806175

**Pathophysiology - Credits: 3**  
This introductory course in pathophysiology covers topics related to alterations of homeostasis and the associated pathophysiological processes. Course studies include the processes involved that generate illness; signs and symptoms of commonly occurring illness states; and effects of disease processes on the cell. Review of normal homeostatic mechanisms is included. Study of these fundamental processes in relation to the pathophysiological processes can enable the students to apply this knowledge to clinical situations. PREREQUISITES: 10806179 Advanced Anatomy and Physiology and 10806197 Microbiology.

10806177

**General Anatomy and Physiology - Credits: 4**  
Examines basic concepts of human anatomy and physiology as they relate to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare health care professionals who need to apply basic concepts of whole body anatomy and physiology to informed decision-making and professional communication with colleagues and patients. This course includes a one-credit lab component that supports the course objectives. Students in this college transfer course will complete a scholarly research/academic assignment. (This course also provides the foundation, and is prerequisite to, Advanced Anatomy and Physiology.) NOTE: Successful completion of a chemistry course within the last five years is highly recommended.

10806199

**Advanced Anatomy and Physiology - Credits: 4**  
Advanced Anatomy and Physiology is the second semester in a two-semester sequence in which normal human anatomy and physiology are studied using a body systems approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Instructional delivery within a classroom and laboratory setting. Experimentation within a science lab will include analysis of cellular metabolism, the individual components of body systems such as the nervous, neuromuscular, cardiovascular, and urinary. Continued examination of homeostatic mechanisms and their relationship to fluid, electrolyte, acid-base balance and blood. Integration of genetics to human reproduction and development are also included in this course. Students in this college transfer course will complete a scholarly research/academic assignment. PREREQUISITE: 10806177 General Anatomy and Physiology, preferably within the last five years.

10806197

**Microbiology - Credits: 4**  
Examines microbial structure, metabolism, genetics, growth and the relationship between humans and microbes. Addresses disease production, epidemiology, host defense mechanisms and the medical impact of microbes. Presents the role of microbes in the environment, industry, and biotechnology. This course includes a one-credit lab component that supports the course objectives. Students in this college transfer course will complete a scholarly research/academic assignment. PREREQUISITE: 10806177 General Anatomy and Physiology, preferably within the last five years or 10806105 Principles of Animal Biology. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

# General Studies Course Descriptions

**10806198**

## **Human Biology - Credits: 4**

This is an introductory course that emphasizes the structure of the human body and the functional interrelationships of the body's systems. Consideration is given to the human body and disease, human genetics, human ecology, and the role that humans play in the environment. The course consists of 3 hours of lecture and 2 hours of lab per week. Students in this college transfer course will complete a scholarly research/academic assignment. Note: This course does not meet requirements for or substitute for General Anatomy and Physiology or Anatomy & Physiology I and II.

## **Social Science**

**10809122**

### **Introduction to American Government - Credits: 3**

Introduces American political processes and institutions. Focuses on rights and responsibilities of citizens and the process of participatory democracy. Learners examine the complexity of the separation of powers and checks and balances. Explores the role of the media, interest groups, political parties, and public opinion in the political process. Also explores the role of state and national government in our federal system. Students will complete a global awareness project. Note: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10809143**

### **Microeconomics - Credits: 3**

Microeconomics explores individual decision making. The course focuses on how consumers, producers, and policy impact market outcomes; and how market factors influence consumer choices, producer decisions, and policy actions. Topics include economic decision making, consumption, production, elasticity, costs of production, market structures, market failures, resource markets, and international trade. The goal of this course is to improve personal, professional, and social decision making; better understand consumer and producer behavior; and analyze the impacts of government policy on market outcomes. Students in this college transfer course will complete a scholarly research/academic assignment.

**10809144**

### **Macroeconomics - Credits: 3**

Macroeconomics explores the economy as a whole. This course focuses on how the aggregate economy impacts individuals, businesses, and policies; and how individuals, businesses, and policies can in turn impact the aggregate economy. Topics include alternate economic systems, aggregate behavior, macroeconomic indicators, business cycles, fiscal policy, monetary policy, and international trade. The goal of this course is to understand and evaluate current national and international economic issues. Students in this college transfer course will complete a scholarly research/academic assignment.

**10809166**

### **Introduction to Ethics: Theory and Application - Credits: 3**

This course provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives will be used to analyze and compare relevant issues. Students will critically evaluate individual, social and professional standards of behavior, and apply a systematic decision-making process to these situations. Students will complete a global awareness project. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10809172**

### **Introduction to Diversity Studies - Credits: 3**

Introduces learners to the study of diversity from a local to a global environment using a holistic, interdisciplinary approach. Encourages self-exploration and prepares the learner to work in a diverse environment. In addition to an analysis of majority/minority relations in a multicultural context, the primary topics of race, ethnicity, age, gender, class, sexual orientation, disability, religion are explored. Students will complete a global awareness project. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10809195**

### **Economics - Credits: 3**

This course is designed to give an overview of how a market-oriented economic system operates, and it surveys the factors which influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues. Students in this college transfer course will complete a scholarly research/academic assignment. Note: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10809196**

### **Introduction to Sociology - Credits: 3**

Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues. Students will complete a global awareness project. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

## **Behavioral Science**

**10809159**

### **Abnormal Psychology - Credits: 3**

The course in Abnormal Psychology surveys the essential features, possible causes, assessments, and treatment of mental health challenges from the viewpoint of the major historical and theoretical perspectives in the field. Students will be introduced to the diagnostic system of the Diagnostic and Statistical Manual of Mental Disorders. Biological, psychological, and socio-cultural perspectives in understanding and responding to abnormal behavior will be addressed, as well as current topics and issues. Students will complete a global awareness project. PREREQUISITE: 10809198 Introduction to Psychology. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10809188**

### **Developmental Psychology - Credits: 3**

Developmental Psychology is the study of human development throughout the lifespan. This course explores developmental theory and research with an emphasis on the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application activities and critical thinking skills will enable students to gain an increased knowledge and understanding of themselves and others. Students will complete a global awareness project. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**10809198**

### **Introduction to Psychology - Credits: 3**

This science of psychology course is a survey of multiple aspects of behavior and mental processes. It provides an overview of topics such as research methods, theoretical perspectives, learning, cognition, memory, motivation, emotions, personality, abnormal psychology, physiological factors, social influences, and development. Students will complete a global awareness project. NOTE: This course is recognized for general education transfer as part of the University of Wisconsin (UW) System/Wisconsin Technical College System (WTCS) Universal Credit Transfer Agreement (UCTA).

**32809380**

### **Applied Interpersonal Skills - Credits: 2**

Improve intrapersonal and interpersonal skills in high demand by employers to enhance life-long learning both professionally and personally. Areas that are highlighted include providing excellent customer service in a diverse workplace, working ethically, improving motivation, applying critical thinking skills, and managing difficult situations.

## **Interdisciplinary**

**10890116**

### **Job Quest - Credits: 1**

Develop documents and skills to seek, obtain, and retain employment. Strengthen your professional image by developing self-awareness of elements affecting interpersonal and work relationships. Guidelines for determining appropriate grooming, dress, and poise will be covered. Personal life management along with career/life goal setting will be reinforced. This class should be taken in the last semester of the program.

**30890320**

### **Working Smart - Credits: 1**

This course will work in collaboration with student internship, second 8 weeks, to address employability skills in a natural, work-based learning environment. Students will continue the development and enhancement of job seeking skills, while practicing job retention skills such as problem solving, time management, accountability, self-awareness and working relationships. COREQUISITES: 30109330 Hospitality Applications, 30109331 Safety and Sanitation Fundamentals and 30109332 Guest Relations Fundamentals.

**10835103**

### **Study Skills - Credits: 1**

This course provides learners with strategies to develop study skills for success in college. Through hands-on experiences, learners will apply study skills, learn how to think critically, and use information resources and technology. This course cannot be used to meet any General Studies course requirements for graduation in a program.