

# RESPIRATORY THERAPY

# **Associate in Applied Science (AAS) Program Code: 10-515-1 Total Credits: 69**

The Respiratory Therapy program at Mid-State prepares students to employ scientific principles to identify, treat, and prevent acute or chronic dysfunction of the cardiopulmonary system. Successful graduates work under medical direction in a variety of care settings. Students study airway management and life support, airway clearance therapies, pulmonary rehabilitation, medication administration, and the use of therapeutic medical gasses. The program combines classroom instruction and clinical experience with actual patients and equipment at local hospitals and agencies. Travel is required.

Estimated tuition and fees: mstc.edu/programcosts

#### **ACADEMIC ADVISOR**

To schedule an appointment with an academic advisor, call 715.422.5300. Academic advisors will travel to other campuses as necessary to accommodate student needs. For more information about advising, visit mstc.edu/advising.

#### **NEW STUDENT CHECKLIST**

Complete the following steps to prepare for your New Student Advising appointment with your academic advisor:

- ☐ Submit a Mid-State application at mstc.edu/apply.
- Send official transcripts to: Mid-State Technical College Student Services 1001 Centerpoint Drive Stevens Point, WI 54481
- ☐ Complete the Free Application for Federal Student Aid (FAFSA) at fafsa.gov. Mid-State's Financial Aid team is available to assist with your FAFSA application and to answer your financial aid questions. Contact Financial Aid or schedule an appointment at mstc.edu/financial-aid.
- ☐ Set up student MyCampus account at mstc.edu/mycampus-assistance.
- ☐ Schedule a New Student Advising appointment at mstc.edu/advising.



mstc.edu • 888.575.6782 • TTY: 711

ADAMS CAMPUS 401 North Main Adams, WI 53910 MARSHFIELD CAMPUS 2600 West 5th Street Marshfield, WI 54449





MID-STATE

500 32nd Street North Wisconsin Rapids, WI 54494

# **CAREER PATHWAY • BEGIN AT ANY POINT**







# CREDIT FOR PRIOR LEARNING AND EXPERIENCE

#### CREDIT FOR PRIOR LEARNING AND EXPERIENCE

- Certifications and Licenses
- High School Credit
- Military Experience
- National/Standardized Exams
- Transfer Credit
- Work and Life Experience

Learn about Credit for Prior Learning at mstc.edu/cpl.



#### **RESPIRATORY THERAPY**

Associate in Applied Science (AAS) • 69 Credits

#### **Start Your Career**

- Respiratory Therapist
- Cardiopulmonary Technician
- Polysomnography (Sleep Lab) Technician



#### **BACHELOR'S DEGREE OPTIONS**

For those interested in continuing their education, Mid-State offers transfer agreements with various four-year colleges and universities. For more information and additional opportunities, visit **mstc.edu/transfer**.

# OTHER OPTIONS

#### **RELATED PROGRAMS**

- Dental Assistant
- Health & Wellness Promotion
- Health Information Management
- Medical Assistant
- Medical Coder
- Nursing
- Nursing Assistant
- Phlebotomy Technician
- Radiography
- Sterile Processing Technician
- Surgical Technology

#### **OUTCOMES**

Employers will expect you, as a Respiratory Therapy graduate, to be able to:

- Apply advanced-level respiratory therapy concepts to patient care situations.
- Demonstrate technical proficiency required to fulfill the role of an advanced-level respiratory therapist.
- Practice respiratory therapy according to established professional and ethical standards.

#### **TECHNICAL SKILLS ATTAINMENT**

The Wisconsin Technical College System (WTCS) has implemented a requirement that all technical colleges measure outcomes attained by students. This requirement is called Technical Skills Attainment (TSA). The main objective of TSA is to ensure graduates have the technical skills needed by employers. Students who successfully complete the NBRC exam at the end of the program will meet the TSA requirement.

Respiratory therapists in Wisconsin and most states are licensed professionals. The Respiratory Therapist program is accredited by the Commission on Accreditation for Respiratory Care (CoARC).

# Commission on Accreditation for Respiratory Care (CoARC)

264 Precision Boulevard, Telford, TN 37690 817.283.2835 • www.coarc.com

CoARC Program #: 200234

#### **ENTRY CRITERIA**

To apply to the Respiratory Therapy program, please complete the following steps:

- 1. Complete a Mid-State application at **mstc.edu/apply**.
- Meet with an advisor for your new student advising appointment. Completion of the Criminal Background Statement of Understanding, Release of Information, and Technical Standards Form will be done at the appointment. These forms can also be found at mstc.edu/programs/respiratory-therapy.
- 3. Complete Accuplacer or ACT if requirements not met via High School Grade Point Average.

Mid-State Technical College • Admissions 500 32nd Street North, Wisconsin Rapids, WI 54494

For guaranteed course start date in core Respiratory Therapy Program courses (515-level classes):

Meet the Prerequisite for General Anatomy and Physiology via one of the following options:

- General Chemistry or General Biology with "C" or better
- Human Body in Health and Disease with "C" or better
- High School GPA of 3.0 or better
- High School GPA of 2.6 or better with "C" or better in 3 high school science classes

Verify completion of the above with assigned academic advisor.

#### **TECHNICAL STANDARDS**

A list of specific physical, emotional, and mental tasks needed to function as a respiratory therapist is available at **mstc.edu/programs/respiratory-therapy** Contact the Disability Services coordinator in the Student Services & Information Center to receive assistance.

#### **CLINICAL-RELATED REQUIREMENTS**

Prior to placement at a clinical site, students need to pay for a criminal background check and provide documentation of required health work.

Students are responsible for ensuring all requirements remain current during program enrollment.

Clinical sites have the right to refuse a student's placement based on inadequate health records, pending charges, or conviction records. Students with a criminal history may not be able to complete clinical courses. Mid-State will make two attempts to place a student in an appropriate clinical experience. If Mid-State is unable to place the student after two attempts, the student will be withdrawn from the clinical course and will not be able to advance in the program.

#### **PROGRAM PROGRESSION**

In order to progress in and successfully complete the program, students must:

- Repeat courses not completed with a grade of "C" or better prior to progressing in core courses or other courses with co- or prerequisites.
- Receive a grade of "C" or better in all courses required for graduation.

Please note that the ability to repeat courses is dependent upon availability of courses. Students may be required to apply for program re-entry in order to repeat courses within the program's instructional area.

#### STUDENT HANDBOOK

Visit **mstc.edu/studenthandbook** to view Mid-State's student handbook, which contains information about admissions, enrollment, appeals processes, services for people with disabilities, financial aid, graduation, privacy, Mid-State's Student Code of Conduct, and technology.

# **GRADUATION REQUIREMENT** The GPS for Student Success course is required for all Mid-State program students and is recommended to be completed before obtaining 12 credits. (Not counted in the total credit value for this program.) Some students are exempt from this requirement. Please see your program advisor for more information. **GPS for Student Success** 10890102 .....1 credit Integrate necessary skills for student success by developing an academic plan, identifying interpersonal attributes for success, adopting efficient and effective learning strategies. and utilizing Mid-State resources, policies, and processes. This course is recommended to be completed prior to obtaining 12 credits and is a graduation requirement unless you receive an exemption from your program advisor. ADDITIONAL COURSES AS NEEDED The following courses may be recommended or required if the student does not achieve minimum Accuplacer scores. **College Reading and Writing 1** 10831104 ......3 credits

Provides learners with opportunities to develop and
expand reading and writing skills to prepare for college-
level academic work. Students will employ critical reading
strategies to improve comprehension, analysis, and
retention of texts. Students will apply the writing process to
produce well-developed, coherent, and unified written work.

# Pre-Algebra 10834109 ......3 credits

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.

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## **SAMPLE FULL-TIME CURRICULUM OPTION**

<b>Term</b> 10501101 10515111 10515171 10801136 10801195 10806177	Medical Terminology & Respiratory Survey Respiratory Therapeutics 1 English Composition 1 & -OR-Written Communication & General Anatomy & Physiology &	3 3 3 4
<b>Term</b> 10515172 10515173 10515174 10806197 10809166	Respiratory Therapeutics 2 Respiratory Pharmacology Respiratory/Cardiac Physiology Microbiology & Intro to Ethics: Theory & Application	3 3 3 4 2 3
<b>Term</b> 10515175 10801196 10801198	Respiratory Clinical 1 Oral/Interpersonal Communication © Speech ©	<b>5 credits</b> 2 <b>Credits</b> 3
<b>Term</b> 10515112 10515113 10515176 10515178 10515179 10809196 10809122 10809172	Respiratory Airway Management Respiratory Life Support Respiratory Disease Respiratory Clinical 2 Respiratory Clinical 3 Intro to Sociology & -OR- Intro to American Government & -OI Introduction to Diversity Studies &	17 credits 2 3 3 3 3 8
<b>Term</b> 10515101 10515180 10515181 10515182 10515183 10809198 10809188	Respiratory Therapist Test Prep Respiratory Neo/Peds Care Respiratory/Cardio Diagnostics Respiratory Clinical 4 Respiratory Clinical 5 Intro to Psychology & -OR- Developmental Psychology &	15 credits 1 2 3 3 3 3 Credits 69

This course has options available to receive credit for prior learning (CPL) or work experience. Visit the website at mstc.edu/cpl or contact your advisor for details.

#### Please Note:

- This curriculum sequence is only for student planning. Actual student schedules will vary depending on course availability.
- Program completion time may vary based on student scheduling and course availability. For details, go to mstc.edu/schedule.

### **SAMPLE PART-TIME CURRICULUM OPTION**

Term		6 credits
10501101	Medical Terminology 🗹	3
10801136	English Composition 1 2 -OR-	
10801195	Written Communication 🕝	3
		<b>-</b>
Term	C	7 credits
10806177	General Anatomy & Physiology 🗹	4
10809196	Intro to Sociology <b>&amp; -OR-</b> Intro to American Government <b>&amp; -C</b>	<b>ND</b>
10809122	Introduction to Diversity Studies	<b>7K-</b> 3
10809172	introduction to Diversity Studies &	_
Term		7 credits
10806197	Microbiology &	4
10809198	Intro to Psychology 🗹 -OR-	
10809188	Developmental Psychology 🗹	3
Term		6 credits
10801196	Oral/Interpersonal Communication	
10801198	Speech &	3
10809166	Intro to Ethics: Theory & Applicatio	
_	,	
Term	5	6 credits
10515111	Respiratory Survey	3
10515171	Respiratory Therapeutics 1	3
Term		9 credits
10515172	Respiratory Therapeutics 2	3
10515173	Respiratory Pharmacology	3
10515174	Respiratory/Cardiac Physiology	3
Term		2 credits
10515175	Respiratory Clinical 1	2 Credits
10313173	Respiratory Christian	2
Term		14 credits
10515112	Respiratory Airway Management	2
10515113	Respiratory Life Support	3
10515176	Respiratory Disease	3
10515178	Respiratory Clinical 2	3 3
10515179	Respiratory Clinical 3	3
Term		12 credits
10515101	Respiratory Therapist Test Prep	1
10515180	Respiratory Neo/Peds Care	2
10515181	Respiratory/Cardio Diagnostics	3
10515182	Respiratory Clinical 4	3
10515183	Respiratory Clinical 5	3
	Total	credits 69
	10141	

MULTIPLE MEASURES	
<b>Multiple Measures Writing (MMW):</b> High school GPA of 2.6 and successful completion of 2.0 credits of high school writing courses with a "C" or better	<b>Multiple Measures Reading (MMR):</b> High school GPA of 2.6 and successful completion of 2.0 credits of high school literature courses with a "C" or better
Multiple Measures Math 1 (MMM_1): High school GPA of 2.6 and successful completion of 1.0 credits of high school math (Algebra 1 or equivalent) with a "C" or better	Multiple Measures Math 2 (MMM_2): High school GPA of 2.6 and successful completion of 2.0 credits of high school math including Algebra 1 and Algebra 2 with a "C" or better
Multiple Measures Science 1 (MMS_1): High school GPA of 2.6 and successful completion of 1.0 credits of high school lab science course with a "C" or better	<b>Multiple Measures Science 2 (MMS_2):</b> High school GPA of 2.6 and successful completion of 1.0 credits of high school chemistry with a "C" or better

Past high school and college transcripts are used in making course placement decisions.

### Developmental Psychology & 10809188.....3 credits

Studies human development throughout the lifespan and 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 enable students to gain an increased knowledge and understanding of themselves and others. Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

#### English Composition 1 2 10801136 .....3 credits

Learners develop and apply skills in all aspects of the writing process. Through a variety of learning activities and written documents, learners employ rhetorical strategies. plan, organize and revise content, apply critical reading strategies, locate and evaluate information, integrate and document sources, and apply standardized English language conventions.

Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better

#### General Anatomy & Physiology & 10806177...... 4 credits

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. Prerequisite: High School GPA of 2.6 and MMS 1 and MMM 1 or Accuplacer Reading Skills of 262 and QAS of 246 or ACT Math score of 19 and Reading score of 19 or College Math 10804107 or Intermediate Algebra with Applications 10804118 with a "C" or better, or General Chemistry 10806134, or General Biology 10806114, or Human Body in Health & Disease 31509302

### Intro to American Government & 10809122.....3 credits

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.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

### Intro to Ethics: Theory & Application & 10809166 .....3 credits

Provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives are used to analyze and compare relevant issues. Students critically evaluate individual, social, and/or professional standards of behavior, and apply a systemic decision-making process to these situations.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

### Intro to Psychology & 10809198 ......3 credits

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. Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

#### Intro to Sociology & 10809196 ......3 credits

Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions of family, politics, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues. Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

#### Introduction to Diversity Studies & 10809172.....3 credits

Learners develop and apply skills in all aspects of the writing process. Through a variety of learning activities and written documents, learners employ rhetorical strategies. plan, organize and revise content, apply critical reading strategies, locate and evaluate information, integrate and document sources, and apply standardized English language conventions.

Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better

#### Medical Terminology 10501101...... 3 credits

Focuses on the component parts of medical terms: prefixes, suffixes, and word roots. Learners practice formation, analysis, and reconstruction of terms. Emphasizes spelling, definition, and pronunciation. Introduces operative, diagnostic, therapeutic, and symptomatic terminology of all body systems as well as systemic and surgical terminology.

## Microbiology &

10806197...... 4 credits

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.

Prerequisite: "C" or better in General Anatomy & Physiology 10806177 or General Biology 10806114 or Plant Biology 10806184

#### Oral/Interpersonal Communication & 10801196 ......3 credits

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.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

# **Respiratory Airway Management**

10515112 ......2 credits

Provides a comprehensive exploration of airway management concepts and skills. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care.

Prerequisite: Respiratory Clinical 1 10515175; Corequisites: Life Support 10515113, Respiratory Disease 10515176, Respiratory Clinical 2 10515178 & Respiratory Clinical 3 10515179

# **Respiratory Clinical 1**

10515175......2 credits

Introduces Respiratory Therapy practice in the hospital setting. Includes the development of skills such as basic therapeutics, patient assessment, medical record review, safety practices, patient interaction, and communication. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care. This course includes the complete program competency list. At the completion of this clinical learners must demonstrate competence in a minimum of 7 (required and/or simulated) competencies. The instructor may identify specific competencies to be addressed during this clinical. Prerequisites: Respiratory Survey 10515111, Respiratory Therapeutics 1 10515171, Respiratory Therapeutics 2 10515172, Respiratory Pharmacology 10515173. Respiratory/Cardiac Physiology 10515174, and Microbiology 10806197, General Anatomy & Physiology 10806177

## **Respiratory Clinical 2**

10515178.....3 credits

Continued development of Respiratory Therapy clinical skills including respiratory therapeutics. Focuses on monitoring, analyzing and interpreting data to make appropriate modifications in patient care. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care. This course includes the complete program competency list. At the completion of this clinical learners must demonstrate competence in a minimum of 14 (required and/or simulated) competencies (cumulative through all clinical courses). The instructor may identify specific competencies to be addressed during this clinical. Prerequisite: Respiratory Clinical 1 10515175

## **Respiratory Clinical 3**

10515179.....3 credits

Continued development of Respiratory Therapy clinical skills including respiratory therapeutics. Focuses on monitoring, analyzing and interpreting data to make appropriate modifications in patient care. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care. This course includes the complete program competency list. At the completion of this clinical learners must demonstrate competence in a minimum of 19 (required and/or simulated) competencies (cumulative through all clinical courses). The instructor may identify specific competencies to be addressed during this clinical. Corequisite: Respiratory Clinical 2 10515178

#### **Respiratory Clinical 4** 10515182.....3 credits

Continued development of Respiratory Therapy clinical skills including respiratory therapeutics. Focuses on monitoring, analyzing and interpreting data to make appropriate modifications in patient care. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care. This course includes the complete program competency list. At the completion of this clinical learners must demonstrate competence in a minimum of 26 (required and/or simulated) competencies (cumulative through all clinical courses). The instructor may identify specific competencies to be addressed during this clinical. Prerequisite: Respiratory Life Support 10515113; Corequisite: Respiratory Clinical 3 10515179

# **Respiratory Clinical 5**

10515183.....3 credits

Focuses on the completion of respiratory therapy competencies and transition to employment. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care. This course includes the complete program competency list. At the completion of this clinical learners must demonstrate competence in all of the required and required/simulated) competencies. The instructor may identify specific competencies to be addressed during this clinical. Corequisite: Respiratory Clinical 4 10515182

#### **Respiratory Disease**

#### 10515176......3 credits

Exploration of signs, symptoms, causes, progression, and treatment of diseases or disorders of the body that affect the respiratory cardiopulmonary system. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care.

Prerequisites: Respiratory Survey 10515111, General Anatomy & Physiology 10806177, and Microbiology 10806197; Co-reqs: Respiratory Airway Management 10515112, Respiratory Life Support 10515113

## **Respiratory Life Support**

#### 10515113.....3 credits

Focuses on management of adult ventilatory support. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care. Prerequisites: Respiratory Therapeutics 2 10515172 and Respiratory Clinical 1 10515175; Corequisites: Respiratory Airway Management 10515112, Respiratory Disease 10515176

# **Respiratory Neo/Peds Care**

## 10515180 .....2 credits

Provides a comprehensive orientation to the field of neonatal and pediatric respiratory care to include fetal development, birth, neonatal physiology, pulmonary dynamics, abnormal cardiopulmonary conditions, diseases, noninvasive and invasive therapeutic interventions. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care. Prerequisite: Respiratory Life Support 10515113 and Respiratory Clinical 3 10515179

## **Respiratory Pharmacology**

#### 10515173.....3 credits

Examines basic pharmacology principles, drug dosage, and calculations. Medications for inhalation including mucolytics, bronchodilators, and anti-inflammatories. Also includes cardiac drugs, anesthetic drugs, neuromuscular blockers, and antimicrobials. Emphasis is placed on promotion of evidencebased practice using established clinical practice guidelines and published research for its relevance to patient care. Prerequisites: Respiratory Survey 10515111, Respiratory Therapeutics 1 10515171, and General Anatomy & Physiology 10806177

## **Respiratory Survey**

#### 10515111 ......3 credits

Examines the role of the Respiratory Therapist within the healthcare community. Reviews the ethical, legal, and regulatory principles that guide practice across diverse populations. Introductory patient assessment and critical thinking processes used in the development of respiratory care plans are explored. Emphasis is placed on promotion of evidence-based practice using established clinical practice guidelines and published research for its relevance to patient care.

Prerequisites: Admission to Respiratory Therapy program 105151; Corequisites: Medical Terminology 10501101 and General Anatomy & Physiology 10806177

## **Respiratory Therapeutics 1**

## 10515171 .....3 credits

Introduces the topics of medical gas administration and humidity and aerosol therapy. The learner will apply physics, math and patient assessment concepts to oxygen, aerosol and humidity therapy. Emphasis is placed on promotion of evidence-based practice using established clinical practice quidelines and published research for its relevance to patient care.

Prerequisites: Admission to Respiratory Therapy program 105151; Corequisites: Respiratory Survey 10515111, Medical Terminology 10501101, and General Anatomy & Physiology 10806177

## **Respiratory Therapeutics 2**

10515172.....3 credits

Introduces therapeutic procedures including arterial puncture, bronchial hygiene, lung expansion therapy, and pulmonary rehabilitation. Emphasis is placed on promotion of evidencebased practice using established clinical practice guidelines and published research for its relevance to patient care. Prerequisites: Respiratory Therapeutics 1 10515171, Respiratory Survey 10515111, and General Anatomy & Physiology 10806177

# **Respiratory Therapist Test Prep**

#### 10515101 ...... 1 credit

Explores strategies for preparing for respiratory therapist professional examinations including study skills, testpreparation skills, and test-taking skills. Includes a basic review of content related to the examinations. Corequisite: Respiratory Clinical 4 10515182

## Respiratory/Cardiac Physiology 10515174.....3 credits

Provides the student with an in-depth knowledge of the structure and function of the respiratory and circulatory systems necessary to function as a competent Respiratory Therapist. Emphasis is placed on promotion of evidencebased practice using established clinical practice guidelines and published research for its relevance to patient care. Prerequisites: General Anatomy & Physiology 10806177, Respiratory Survey 10515111, and Respiratory Therapeutics 1 10515171

# **Respiratory/Cardio Diagnostics**

#### 10515181 .....3 credits

Advanced invasive and noninvasive diagnostic cardiopulmonary procedures including pulmonary function, hemodynamics and rescue medicine. Emphasis is placed on promotion of evidencebased practice using established clinical practice guidelines and published research for its relevance to patient care.

Prerequisite: Respiratory Clinical 3 10515179

# Speech ☑ 10801198 ......3 credits

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 this course. Includes informative, persuasive, and occasion speech presentations. Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 253 and Writing of 262 or ACT of 21 Reading/19 English or completion of College Reading and Writing 1 10831104 with a "C" or better

# Written Communication 🗷

10801195 .....3 credits

Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents.

Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better