

Respiratory Care Technology (grid only)

Course Sequence:

Semester 1

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
RESP 100 - Introduction to Respiratory Care Technologies	RESP 101 with a grade of "C" or better, which must be taken concurrently	4 credits	
RESP 101 - Respiratory Care Techniques	RESP 100 with a grade of "C" or better, must be taken concurrently	4 credits	
ENGL 101 - English Composition I		3 credits	Writing, Research, Info Lit 1
BIOL 110 - Anatomy and Physiology II	BIOL 109 with a grade of "C" or better	4 credits	Scientific Reasoning
FNMT 118 - Intermediate Algebra	FNMT 017 or FNMT 019 completed or FNMT 118 (or higher) placement	3 credits	Quantitative Reasoning

Semester 2

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
RESP 102 - Respiratory Pharmacology, Modalities, and Airway Management	RESP 100 and RESP 101 with a grade of "C" or better	4 credits	
CIS 103 - Computer Applications & Concepts		3 credits	Technological Competency
ENGL 102 - The Research Paper	ENGL 101 with a grade of "C" or better	3 credits	Writing, Research, Info Lit 2

Summer 1

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
RESP 103 - Introduction to Cardiopulmonary Pathophysiology	RESP 102 with a grade of "C" or better	3 credits	
CHEM 110 - Introductory Chemistry or CHEM 101 - Fundamentals of Chemistry I (Lab Based)		4 credits	

Summer 2

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
RESP 104 - Clinical Practicum I	RESP 103 with a grade of "C" or better	3 credits	

Semester 3

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
RESP 210 - Cardiopulmonary Pathophysiology I	BIOL 110 with a grade of "C" or better; CHEM 110 or CHEM 101 , with a grade of "C" or better; CIS 103 , ENGL 102 , or RESP 104 with a grade of "C" or better; and RESP 220 , which must be taken concurrently	4 credits	
RESP 220 - Advanced Respiratory Care Procedures	RESP 104 with a grade of "C" or better, RESP 210 must be taken concurrently	5 credits	
BIOL 241 - Principles of Microbiology	BIOL 106 or BIOL 108 , and BIOL 109 or BIOL 123 , both with a grade "C" or better	4 credits	

Semester 4

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
ENGL 115 - Public Speaking	ENGL 101 , which may be taken concurrently	3 credits	Oral Communication/ Creative Expression
RESP 211 - Cardiopulmonary Pathophysiology II	BIOL 241 with a grade of "C" or better, RESP 210 with a grade of "C" or better, RESP 211 which must be taken concurrently	4 credits	
SOC 101 - Introduction to Sociology		3 credits	Cultural Analysis & Interpretation
RESP 221 - Adult Critical Care	RESP 220 with a grade of "C" or better, RESP 211 which must be taken concurrently	6 credits	

Summer 1

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
RESP 299 - Clinical Practicum II	RESP 211 and RESP 221 with a grade of "C" or better	3 credits	

Minimum Credits Needed to Graduate:70

Proposed Courses and Completion Sequence:

The following courses and sequence of courses is designed for the optimal success and completion of the Respiratory Care Technology degree/certificate. Any alterations should be discussed with your academic advisor.

Semester 1

Course Number and Name	Credits	Advisory Notes
<u>RESP 100 - Introduction to Respiratory Care Technologies</u>	4 credits	RESP 100 is a prerequisite for <u>RESP 102</u> . Must earn a grade of "C" or better. Only offered in the fall semester. Must be taken concurrently with RESP 101. Required to receive a grade of "C" or better to register for spring semester. Students are assigned to perform clinical competency check-offs throughout the semester that monitors their success.
<u>RESP 101 - Respiratory Care Techniques</u>	4 credits	RESP 101 is a prerequisite for <u>RESP 102</u> . Must earn a grade of "C" or better. Only offered in the fall semester. Must be taken concurrently with RESP 100. Required to receive a grade of "C" or better to register for spring semester. Students are assigned to perform clinical competency check-offs throughout the semester that monitors their success. Prerequisites: RESP 100 with a grade of "C" or better, must be taken concurrently
<u>ENGL 101 - English Composition I</u>	3 credit	Writing, Research, Info Lit 1 Prerequisite for <u>ENGL 102</u> . Required to receive a grade of "C" or better to register for ENGL 102
<u>BIOL 110 - Anat & Phys II</u>	4 credit	Scientific Reasoning Must receive a grade of "C" or better Completion of <u>BIOL 109</u> with a grade of "C" or better.
<u>FNMT 118 - Intermediate Algebra</u>	3 credit	Quantitative Reasoning

This is a select program. Students must have completed BIOL 109 with a grade of "C" or better before beginning the program.

A GPA of 3.0 or higher is required to continue in the program.

Semester 2

Course Number and Name	Credits	Advisory Notes
<u>RESP 102 - Respiratory Pharmacology, Modalities, and Airway Management</u>	4 credits	Prerequisite for <u>RESP 103</u> . Must earn a grade of "C" or better. Only offered in the spring semester. Prerequisites: <u>RESP 100</u> and <u>RESP 101</u> with grade of "C" or better. Required to receive a grade of "C" or better to register for summer semester. Students are assigned to perform clinical competency check-offs throughout the semester that monitors their success
<u>CIS 103 - Applied Computer Technology</u>	3 credits	Technological Competency Students must earn a grade of "C" or better demonstrating they have met minimum requirements of course.
<u>ENGL 102 - The Research Paper</u>	3 credit	Writing, Research, Info Lit 2 Prerequisite of <u>ENGL 101</u> with a grade of "C" or better. Students should visit the English learning lab for support on writing assignments.

Summer 1

Course Number and Name	Credits	Advisory Notes
<u>CHEM 110 - Introductory Chemistry</u> or <u>CHEM 101 - General Chemistry I</u>	4 credits	Must receive a grade of "C" or better. Students must place into <u>FNMT 118</u> before taking CHEM 110.
<u>RESP 103 - Introduction to Cardiopulmonary Pathophysiology</u>	3 credits	Prerequisite for <u>RESP 104</u> . Must receive a grade of "C" or better. Only offered in the early summer session. Prerequisites: <u>RESP 102</u> with grade of "C" or better. Required to receive a grade of "C" or better to register for late summer semester. Students are assigned to perform clinical competency check-offs throughout the semester that monitors their success.

Summer 2

Course Number and Name	Credits	Advisory Notes
<u>RESP 104 - Clinical Practicum I</u>	3 credits	Prerequisite for <u>RESP 210</u> and <u>RESP 220</u> . Must receive a grade of "C" or better. Only offered in the late summer session.

Semester 3

Course Number and Name	Credits	Advisory Notes
<u>RESP 210 - Cardiopulmonary Pathophysiology I</u>	4 credits	Prerequisite for <u>RESP 211</u> and <u>RESP 221</u> . Must receive a grade of "C" or better. Only offered in the Fall semester Prerequisites: <u>RESP 104</u> with a grade of "C" or better; co-requisite: <u>RESP 220</u> (must be taken concurrently) Required to receive a grade of "C" or better to register for spring semester.
<u>RESP 220 - Advanced Respiratory Care</u>	5 credits	Must receive a grade of "C" or better. Only offered in the fall semester. Prerequisites: <u>RESP 104</u> ; co-requisite: <u>RESP 210</u> . Required to receive a grade of "C" or better to register for spring semester. Prerequisites: <u>BIOL 241</u> with a grade of "C" or better, <u>RESP 210</u> with a grade of "C" or better, <u>RESP 211</u> which must be taken concurrently
<u>BIOL 241 - Principles of Microbiology</u>	4 credits	Must earn a grade of "C" or better in the course. Prerequisites: <u>BIOL 106</u> or <u>BIOL 107</u> ; <u>BIOL 109</u> or <u>BIOL 123</u> with a grade of "C" or better

Semester 4

Course Number and Name	Credits	Advisory Notes
<u>RESP 211 - Cardiopulmonary</u>	4 credits	Prerequisite for <u>RESP 299</u> . Must receive a grade of "C" or better. Only offered in the spring semester. Prerequisite: <u>RESP 210</u> with grade of "C" or better; co-requisite: <u>RESP 221</u> . Required to receive a grade of "C" or better to register for early summer semester.

Course Number and Name	Credits	Advisory Notes
<u>RESP 221 - Adult Critical Care</u>	6 credits	Prerequisite for <u>RESP 299</u> . Must earn a grade of "C" or better in the course. Only offered in the spring semester. Prerequisite: <u>RESP 210</u> with grade of "C" or better; co-requisite: <u>RESP 211</u> . Required to receive a grade of "C" or better to register for early summer semester.
<u>ENGL 115 - Public Speaking</u>	3 credits	Oral Communication/Creative Expression Prerequisite: <u>ENGL 101</u> , which may be taken concurrently
<u>SOC 101 - Introduction to Sociology</u>	3 credits	Cultural Analysis & Interpretation Most transfer institutions require a sociology course.

Summer 1

Course Number and Name	Credits	Advisory Notes
<u>RESP 299 - : Advanced Respiratory Care Procedures III</u>	3 credits	Must earn a grade of "C" or better. Only offered in early summer session. Prerequisites: <u>RESP 211</u> and <u>RESP 221</u> with a grade of "C" or better.