



ASSOCIATE OF APPLIED SCIENCE

RESPIRATORY CARE

The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.

1920 Catalog

Effective Summer 2019

3200

Health and Public Services Division

Respiratory, Laboratory, and Surgical Technology Dept.

PRE-RESPIRATORY CARE CREDITS AS LISTED BELOW:

NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
MTH105	Math for Allied Health [^]	3	MTH091 and MTH092 or Proficiency	
TOTAL CREDIT HOURS		3		

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
RCT121	Introduction to Respiratory Care ▲-	2	Pre-Co-BIO122 or BIO123 and Co-RCT121L	
RCT121L	Introduction to Respiratory Care Laboratory ▲-	1	Co-RCT121	
RCT122	Medical Gas Administration ▲-	2	Co-RCT122L	
RCT122L	Medical Gas Administration Laboratory ▲-	1	Co-RCT122	
RCT124	Pharmacology for R.T. ▲-	2		
RCT123	Airway Management Procedures ▲+	2	RCT124 and Co-RCT123L	
RCT123L	Airway Management Procedures Laboratory ▲+	1	Co-RCT123	
RCT125C	Practicum I Clinical ▲+	2	RCT124 and Co-RCT125	
RCT125	Practicum I Seminar ▲+	1	Co-RCT125C	
RCT126	Critical Care ▲*	2	RCT123 and Co-RCT126L	
RCT126L	Critical Care Laboratory ▲*	1	Co-RCT126	
RCT128C	Practicum II Clinical ▲*	1	RCT123 and RCT125C and Co-RCT128	
RCT128	Practicum II Seminar ▲*	1	Co-RCT128C	
RCT224C	Practicum III Clinical ▲-	2	RCT126 and RCT128C and Co-RCT224	
RCT224	Practicum III Seminar ▲-	1	Co-RCT224C	
RCT226	Advanced Respiratory Care Procedures Laboratory ▲-	1	RCT126	
RCT227	Neonatal/Pediatrics for Respiratory Care ▲-	2	RCT126 and Co-RCT227L	
RCT227L	Neonatal/Pediatrics for Respiratory Care Laboratory ▲-	1	Co-RCT227	
RCT223	Patient Assessment and Monitoring ▲+	3	RCT220	
RCT225C	Practicum IV Clinical ▲+	3	RCT224C and RCT226 and RCT227 and (Co-RCT225 and Co-RCT225L)	
RCT225	Practicum IV Seminar ▲+	1	Co-RCT225C and Co-RCT225L	
RCT225L	Practicum IV Laboratory ▲+	1	Co-RCT225C and Co-RCT225	
TOTAL		34		

See last page for footnotes

NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>	
CHM121	General, Organic and Biological Chemistry I^##	4	CHM101 or Proficiency	
ENG124	College Composition ^	3	Co-ENG024 or Co-ENG011 or Proficiency	
BIO123	Principles of Human Structure & Function▲# (lab)	5	BIO101 or BIO127	
BIO125	Medical Terminology	3		
BIO221	Principles of Microbiology (lab)	4	BIO122 or BIO123 or BIO141	
RCT129	Respiratory Diseases▲+	3	RCT124	
RCT220	Cardiopulmonary A & P▲-	4	(BIO122 or BIO123) and RCT126	
	<i>Psychology or Sociology Elective^^^</i>	3	<i>Check for prerequisites</i>	
	Total	30		
	TOTAL CREDIT HOURS	67		

See last page for footnotes

FULL-TIME STUDENT ADVISING NOTES

Academic Advising

Each student should make an appointment to see their advisor every semester before registering for classes. Please have your registration form completed, including the courses you wish to take, for this meeting.

Course Sequence

The semester-by-semester listing below gives the normal scheduling option for full-time associate degree students who plan to finish in two years. Some courses can be scheduled as beginning courses in other semesters depending upon course availability and advisor's recommendation. **Respiratory Care courses must be taken in the order listed below.**

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
RCT121	Introduction to Respiratory Care ▲-	2	Pre-Co-BIO122 or BIO123 and Co-RCT121L
RCT121L	Introduction to Respiratory Care Laboratory ▲-	1	Co-RCT121
RCT122	Medical Gas Administration ▲-	2	Co-RCT122L
RCT122L	Medical Gas Administration Laboratory ▲-	1	Co-RCT122
RCT124	Pharmacology for R.T. ▲-	2	
BIO123	Principles of Human Structure & Function (lab) ▲#	5	BIO101 or BIO127
BIO125	Medical Terminology	<u>3</u>	
		17	
<u>Second Semester</u>			
CHM121	General, Organic and Biological Chemistry I^##	4	CHM101 or Proficiency
RCT123	Airway Management Procedures ▲+	2	RCT124 and Co-RCT123L
RCT123L	Airway Management Procedures Laboratory ▲+	1	Co-RCT123
RCT125	Practicum I Seminar ▲+	1	Co-RCT125C
RCT125C	Practicum I Clinical ▲+	2	RCT124 and Co-RCT125
RCT129	Respiratory Diseases ▲+	<u>3</u>	RCT124
		13	
<u>Summer</u>			
RCT126	Critical Care ▲*	2	RCT123 and Co-RCT126L
RCT126L	Critical Care Laboratory ▲*	1	Co-RCT126
RCT128	Practicum II Seminar ▲*	1	Co-RCT128C
RCT128C	Practicum II Clinical ▲*	1	RCT123 and RCT125C and Co-RCT128
ENG124	College Composition^	<u>3</u>	Co-ENG024 or Co-ENG011 or Proficiency
		8	
<u>Third Semester</u>			
<i>Psychology or Sociology Elective^^^</i>		3	<i>Check for Pre-requisites</i>
RCT220	Cardiopulmonary A&P ▲-	4	(BIO122 or BIO123) and RCT126
RCT224	Practicum III Seminar ▲-	1	Co-RCT224C
RCT224C	Practicum III Clinical ▲-	2	RCT126 and RCT128C and Co-RCT224
RCT226	Advanced Respiratory Care Procedures Laboratory ▲-	1	RCT126
RCT227	Neonatal/Pediatrics for Respiratory Care ▲-	2	RCT126 and Co-RCT227L
RCT227L	Neonatal/Pediatrics for Respiratory Care Laboratory ▲-	<u>1</u>	Co-RCT227
		14	

See last page for footnotes

Fourth Semester

BIO221	Principles of Microbiology (lab)	4	BIO122 or BIO123 or BIO141
RCT223	Patient Assessment and Monitoring▲+	3	RCT220
RCT225	Practicum IV Seminar▲+	1	Co-RCT225C and Co-RCT225L
RCT225L	Practicum IV Laboratory▲+	1	Co-RCT225C and Co-RCT225
RCT225C	Practicum IV Clinical▲+	<u>3</u>	RCT224C and RCT226 and RCT227
		12	and (Co-RCT225 and Co-RCT225L)
	TOTAL CREDITS	67	

^Based on SSC placement scores.

^^To promote student success, this course should be taken in the first semester.

^^Choose from an Psychology or Sociology elective

BIO121 and BIO122 can be substituted for BIO123

##CHM141 can be substituted for CHM121.

▲Because of the strong emphasis on science in this major, applicants must have successfully completed chemistry and biology in high school. Students who did not complete the courses in high school, and those who prefer to refresh their knowledge of the material, should complete the listed pre-requisites.

▲+ Spring only courses. Please see your academic advisor for availability.

▲- Fall only courses. Please see your academic advisor for availability.

▲* Summer only courses. Please see your academic advisor for availability.

Application criteria requires a “B” or better in BIO101 or HS BIO and CHM101 or HS Chemistry and a “C” or better in MTH105 to apply to the RCT program.

**Students are required to follow the program curriculum in effect when they begin taking technical courses,
not when students are accepted to the College or program.**

Minimum grade of “C” in all technical and non-technical courses in the program curriculum is required