



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 | Check for prerequisites | |
| | | | | |
| | Total | 30 | | |
| | TOTAL CREDIT HOURS | 67 | | |

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PART-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for part-time associate degree students who plan to finish in eight semesters. **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> |
| BIO123 | Principles of Human Structure & Function (lab)▲# | 5 | BIO101 or BIO127 |
| ENG124 | College Composition^ | <u>3</u> | Co-ENG024 or Co-ENG011 or Proficiency |
| | | 9 | |
| <u>Second Semester</u> | | | |
| BIO125 | Medical Terminology | 3 | |
| BIO221 | Principles of Microbiology (lab) | <u>4</u> | BIO122 or BIO123 or BIO 141 |
| | | 7 | |
| <u>Third Semester</u> | | | |
| <i>Psychology or Sociology Elective^^^</i> | | 3 | <i>Check for Pre-requisites</i> |
| CHM121 | General, Organic and Biological Chemistry I^## | <u>4</u> | CHM101 or Proficiency |
| | | 7 | |
| <u>Fourth Semester</u> | | | |
| 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. ▲- | <u>2</u> | |
| | | 8 | |
| <u>Fifth Semester</u> | | | |
| 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 |
| | | 9 | |
| <u>Sixth Semester</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▲* | <u>1</u> | RCT123 and RCT125C and Co-RCT128 |
| | | 5 | |

See last page for footnotes

Seventh Semester

| | | | |
|---------|---|-----------------------|-------------------------------------|
| 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 Co-RCT224 RCT126 |
| RCT227 | Neonatal/Pediatrics for Respiratory Care ▲- | 2 | RCT126 and Co-RCT227L |
| RCT227L | Neonatal/Pediatrics for Respiratory Care Laboratory ▲- | <u>1</u> 11 | Co-RCT227 |

Eighth Semester

| | | | |
|---------|--------------------------------------|----------------------|--|
| 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> 8 | RCT224C and RCT226 and RCT227 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 any 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.