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|   | ASSOCIATE OF APPLIED SCIENCE RESPIRATORY CARE <i>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.</i> <i>Refer to Policy No. 3357:15-13-28.</i> | 2025-26 Catalog Effective Summer 2025 3200 Pre-3202 |
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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 | MTH021 or Pre-Co-MTH005 or Proficiency | |
| BIO123 | Principles of Human Structure and Function (lab) # ++ | 5 | BIO101 or Proficiency | |
| | TOTAL CREDIT HOURS | 8 | | |

| 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 | Respiratory Care Pharmacology▲- ++ | 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 | | |

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| NON-TECH Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
|---------------------------|--------------------------------------|-----------|--|------------------------|
| SSC101 | Student Success Seminar^^ | 1 | Take first semester | |
| ENG124 | College Composition ^ | 3 | Co-ENG024 or Co-ENG011 or Proficiency | |
| BIO125 | Medical Terminology ++ | 3 | | |
| BIO221 | Principles of Microbiology (lab) ++ | 4 | BIO122 or BIO123 or BIO127 or BIO141 | |
| RCT129 | Respiratory Diseases ▲+ ++ | 3 | RCT124 | |
| RCT220 | Cardiopulmonary A & P▲- ++ | 4 | (BIO122 or BIO123) and RCT126 | |
| | Psychology or Sociology Elective ^^^ | 3 | Check for prerequisites | |
| Total | | 21 | | |
| TOTAL CREDIT HOURS | | 63 | | |

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> |
| BIO125 | Medical Terminology ++ | 3 | |
| ENG124 | College Composition^ | <u>3</u> | Co-ENG024 or Co-ENG011 |
| | | 7 | or Proficiency |
| <u>Second Semester</u> | | | |
| BIO221 | Principles of Microbiology (lab) ++ | 4 | BIO122 or BIO123 or BIO127 |
| | | | or BIO 141 |
| | <i>Psychology or Sociology Elective^^^</i> | <u>3</u> | <i>Check for Pre-requisites</i> |
| | | 7 | |
| <u>Third 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 | Respiratory Care Pharmacology ▲ - ++ | <u>2</u> | |
| | | 8 | |
| <u>Forth 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>Fifth 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 |
| | | 5 | Co-RCT128 |

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| 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> 11 | Co-RCT227 |
| <u>Seventh Semester</u> | | | |
| 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

63

^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

▲+ 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.

++ Courses requiring a minimum grade of "C"

**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.**

*This program requires an application (separate from the College).
Please see your advisor to discuss the application process.*