**CARDIOVASCULAR TECHNOLOGY, AS DEGREE PROGRAM OF STUDY:**

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| **GENERAL EDUCATION COURSEWORK:** Courses must be selected from  those listed in the **General Education Program Guide** | | | **24 CREDIT HOURS** |
| ENC 1101 | | Composition I | 3 |
| BSC 1093C\* | | Anatomy and Physiology I | 4 |
| BSC 1094C | | Anatomy and Physiology II | 4 |
| HUMANITIES | | Any Listed Course in Humanities Section | 3 |
| CHEMISTRY | | Any Listed Chemistry in Natural Sciences Section | 3 |
| CHEMISTRY LABORATORY | | Any Listed co-requisite Chemistry Lab in Natural Sciences  Section that accompanies Chemistry course | 1 |
| PSYCHOLOGY  OR SOCIOLOGY | | Any Listed Psychology or Sociology Course in Social  Sciences Section | 3 |
| MATHEMATICS | | MAC 1105 is Strongly Recommended OR Any Listed Course in Mathematics Section | 3 |
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| **PROGRAM SPECIFIC COURSEWORK** | | | **7 - 8 CREDIT**  **HOURS** |
| MCB 2010C\* | Microbiology | | 4 |
| PHYSICS\*\* | PHY 1007 Physics for the Health Sciences OR Any Physics Listed in the Natural Sciences Section | | 3 |

\*BSC 1010/BSC 1010L are required prerequisites for BSC 1093C and MCB 2010C at most institutions.

\*\*PHY 1007L is strongly recommended, but not required for the AS Degree. It is a requirement for the BAS Degree in Cardiopulmonary Sciences.

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| **CARDIOVASCULAR TECHNOLOGY CORE COURSEWORK** | | **46 CREDIT**  **HOURS** |
| RET 1024 | Introduction to Cardiopulmonary Technology | 3 |
| RET 1613C | Cardiopulmonary Anatomy and Physiology | 2 |
| CVT 1200 | Cardiovascular Pharmacology | 2 |
| CVT 1800L | Cardiovascular Pre-Practicum I | 2 to 3 |
| CVT 1801L | Cardiovascular Pre-Practicum II | 2 to 3 |
| CVT 2420C | Invasive Cardiology I | 4 to 6 |
| CVT 2620C | Non-Invasive Cardiology Technology I | 2 |
| CVT 2805C | Cardiovascular Interventional Pre-Practicum | 2 to 3 |
| CVT 2840L | Cardiovascular Practicum II | 6 to 3 |
| CVT 2421C | Invasive Cardiology II | 4 to 6 |
| RET 2244 | Critical Care Applications | 2 |
| CVT 2841L | Cardiovascular Practicum III | 6 to 4 |
| CVT 2920 | Cardiovascular Technologist as a Professional | 2 |
| CVT 2842L | Cardiovascular Practicum IV | 6 to 4 |
| **TOTAL DEGREE PROGRAM, CARDIOVASCULAR TECHNOLOGY,**  **AS** | | **77 CREDIT**  **HOURS** |