

PIEDMONT TECHNICAL COLLEGE
ASSOCIATE IN APPLIED SCIENCE
MAJOR IN CARDIOVASCULAR TECHNOLOGY

Admission: Nursing and Health Science programs have special program admission criteria which must be completed prior to applying for the clinical phase of the program. A student may be admitted to the college at any time in order to complete pre-requisite and general education coursework. A brief description of program admission options is below. For more detailed information, please click http://www.ptc.edu/resource/health_science.htm

Students must meet one of the following three options to meet admissions criteria:

Option 1. Coursework completion: Completion of program ready course work: ENG 101, MAT 102, PSY 201, AHS 102 and BIO 210.

Option 2. SAT or ACT scores within 4 years of submission of an application:
 SAT – Composite 960, Reading 480, Math 480 or ACT – Composite 20, Verbal 20, Math 23 **and** completion or exemption of BIO 106. Completion of BIO 210 would also meet this requirement.

Option 3. Bachelor’s Degree (B.A. or B.S.) from a regionally accredited college or university with a cumulative GPA of 2.5 or higher **and** completion or exemption of BIO 106 for programs requiring BIO 210. Completion of BIO 210 would also meet this requirement.

GPA of 2.5 is required for program acceptance

*Completion of the Associate in Applied Science with a major in Cardiovascular Technology requires five (5) semesters upon acceptance to the major studies course work.

| Courses | Invasive | Non-Invasive |
|---|-----------------|---------------------|
| | Credits | Credits |
| Program Ready and General Education Courses: | | |
| AHS 102 <i>Medical Terminology</i> | 3.0 | 3.0 |
| BIO 210 <i>Human Anatomy & Physiology I</i> | 4.0 | 4.0 |
| ENG 101 <i>English Composition I</i> | 3.0 | 3.0 |
| MAT 102 <i>Intermediate Algebra</i> | 3.0 | 3.0 |
| PSY 201 <i>General Psychology</i> | 3.0 | 3.0 |
| BIO 211 <i>Human Anatomy & Physiology II</i> | 4.0 | 4.0 |
| Elective <i>Humanities/Fine Arts</i> | 3.0 | 3.0 |
| *Major Studies Courses: | | |
| AHS 106 <i>Cardiopulmonary Resuscitation</i> | 1.0 | 1.0 |
| AHS 112 <i>Chemistry for Health Science</i> | 4.0 | 4.0 |
| AHS 178 <i>Health Science Physics & Medical Instrumentation</i> | 4.0 | 4.0 |
| CVT 101 <i>Introduction to Cardiovascular</i> | 2.0 | 2.0 |
| CVT 102 <i>Cardiac and Vascular Pathophysiology</i> | 3.0 | 3.0 |
| CVT 103 <i>Cardiovascular Pharmacology</i> | 3.0 | 3.0 |
| CVT 104 <i>Cardiovascular Patient Assessment</i> | 3.0 | 3.0 |
| CVT 105 <i>Cardiovascular Rehabilitation and Prevention</i> | 3.0 | 3.0 |
| CVT 120 <i>Invasive Cardiology I</i> | 3.0 | 3.0 |
| CVT 121 <i>Cardiovascular Patient Assessment</i> | 3.0 | |
| CVT 122 <i>Invasive Cardiology Clinical I</i> | 5.0 | |

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| CVT 123 | Invasive Cardiology III | 3.0 | |
| CVT 124 | Invasive Cardiology Clinical II | 5.0 | |
| CVT 125 | Invasive Cardiology Clinical III | 6.0 | |
| CVT 126 | Invasive Cardiology Special Topics | 2.0 | |
| CVT 140 | Non-Invasive Cardiology I | 3.0 | 3.0 |
| CVT 141 | Non-Invasive Cardiology II | | 3.0 |
| CVT 142 | Non-Invasive Cardiology Clinical I | | 5.0 |
| CVT 143 | Non-Invasive Cardiology III | | 3.0 |
| CVT 144 | Non-Invasive Cardiology Clinical II | | 5.0 |
| CVT 145 | Non-Invasive Cardiology Clinical III | | 6.0 |
| CVT 146 | Non-Invasive Cardiology Special Topics | | <u>2.0</u> |
| | TOTAL CREDIT HOURS | 76.0 | 76.0 |