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PROGRAM REQUIREMENTS

A.A.S., MAJOR IN CARDIOVASCULAR TECHNOLOGY (INVASIVE)

The cardiovascular technologist is a health care professional who, at the direction of a licensed physician, performs diagnostic tests which are used in the diagnosis, treatment and serial follow-up of patients with cardiovascular disease. Cardiovascular Technology is a title used to describe two basic areas of expertise: Invasive Cardiology and Adult Echocardiography.

Invasive Cardiology utilizes highly sophisticated equipment to perform procedures on patients for diagnostic and interventional treatment of cardiovascular diseases as part of the cardiac catheterization team. The invasive technologist assists a qualified cardiologist in all aspects of the cardiac catheterization.

Admission: Acceptance into Piedmont Technical College’s CVTI program is competitive and is limited to 8 students to begin fall semester. See the college calendar or website for application dates.

The Cardiovascular Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)) 25400 US Highway, 19 North., Suite 158 Clearwater, FL 33763; (727) 210-2350 www.caahep.org, upon the recommendation of The Joint Review Committee on Education in Cardiovascular Technology (JRC-CVT), www.jrcvct.org, 1449 Hill Street, Whitinsville, MA 01588-1032, (978) 456-5594.

To become eligible for entry into the Cardiovascular Technology major studies coursework, applicants must complete the following:

1. Complete the following courses (minimum “C” grade required):

- AHS 102
- BIO 210
- ENG 101
- MAT 102 or MAT 120
- PSY 201

2. Minimum grade point average for the above coursework of 2.5. A GPA calculator can be found on the college website.
3. Good academic standing at the college.

Students are required to maintain a current American Heart Association “Basic Life Support” certification throughout the major studies courses.

Major Studies Courses: Completion of the Associate in Applied Science with a major in Cardiovascular Technology requires four (4) semesters upon acceptance to the major studies coursework.

GENERAL EDUCATION COURSES

COURSES	CREDIT HOURS
BIO 210 Anatomy and Physiology I.....	4.0
BIO 211 Anatomy and Physiology II	4.0
ENG 101 English Composition I.....	3.0
MAT 102 Intermediate Algebra.....	3.0
<i>or MAT 120 Probability and Statistics</i>	
PSY 201 General Psychology.....	3.0
SPC 205 Public Speaking	3.0
Elective Humanities/Fine Arts	3.0

SUBTOTAL: 23.0

REQUIRED CORE SUBJECT AREAS

COURSES	CREDIT HOURS
CVT 101 Introduction to Cardiovascular Technology...	2.0
CVT 102 Cardiovascular Pathophysiology.....	3.0
CVT 108 Physics for the Invasive Cardiovascular Technologist	2.0
CVT 110 Hemodynamics and Cardiac Care Physiology ..	2.0
CVT 112 Cardiovascular Principles	3.0
CVT 120 Invasive Cardiology I	3.0
CVT 121 Invasive Cardiology II	3.0
CVT 122 Invasive Cardiology Clinical I	5.0
CVT 125 Invasive Cardiology Clinical II.....	5.0
CVT 223 Invasive Cardiology III.....	3.0
CVT 225 Invasive Cardiology Clinical III	8.0
CVT 226 Invasive Cardiology Special Topics.....	2.0

SUBTOTAL: 41.0

OTHER COURSES REQUIRED FOR GRADUATION

COURSES	CREDIT HOURS
AHS 102 Medical Terminology	3.0

SUBTOTAL: 3.0

TOTAL CREDIT HOURS: 67.0

Note: Each student is required to complete BIO 211 (before the end of the first semester) and SPC 205 (before the end of the second semester). Students are encouraged to complete all general education coursework prior to beginning program coursework.

A.A.S., MAJOR IN CARDIOVASCULAR TECHNOLOGY (ADULT ECHOCARDIOGRAPHY)

The cardiovascular technologist is a health care professional who, at the direction of a licensed physician, performs diagnostic tests which are used in the diagnosis, treatment and serial follow-up of patients with cardiovascular disease. Cardiovascular Technology is a title used to describe two basic areas of expertise: Invasive Cardiology and Adult Echocardiography.

Adult Echocardiography utilizes ultrasound to perform diagnostics examinations on patients. The non-invasive technologist will utilize state-of-the-art equipment to recognize, calculate, interpret and analyze hemodynamic data derived from the cardiac study.

Admission: Acceptance into Piedmont Technical College's CVTN program is competitive and is limited to 12 students to begin fall semester. See the college calendar or website for application dates.

The Cardiovascular Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)) 25400 US Highway, 19 North., Suite 158 Clearwater, FL 33763; (727) 210-2350) www.caahep.org, upon the recommendation of The Joint Review Committee on Education in Cardiovascular Technology (JRC-CVT), www.jrccvt.org, 1449 Hill Street, Whitinsville, MA 01588-1032, (978) 456-5594.

To become eligible for entry into the Cardiovascular Technology major studies coursework, applicants must complete the following:

1. Complete the following courses (minimum "C" grade required):

- AHS 102
- BIO 210
- ENG 101
- MAT 102 or MAT 120
- PSY 201

2. Minimum grade point average for the above coursework of 2.5. A GPA calculator can be found on the college website.

3. Good academic standing at the college.

Students are required to maintain a current American Heart Association "Basic Life Support" certification throughout the major studies courses.

Major Studies Courses: Completion of the Associate in Applied Science with a major in Cardiovascular Technology requires four (4) semesters upon acceptance to the major studies coursework.

GENERAL EDUCATION COURSES

COURSES	CREDIT HOURS
BIO 210 Anatomy and Physiology I.....	4.0
BIO 211 Anatomy and Physiology II	4.0
ENG 101 English Composition I.....	3.0
MAT 102 Intermediate Algebra.....	3.0
or MAT 120 Probability and Statistics	
PSY 201 General Psychology.....	3.0
SPC 205 Public Speaking	3.0
Elective Humanities/Fine Arts	3.0

SUBTOTAL: 23.0

REQUIRED CORE SUBJECT AREAS

COURSES	CREDIT HOURS
CVT 101 Introduction to Cardiovascular Technology...	2.0
CVT 102 Cardiovascular Pathophysiology.....	3.0
CVT 106 Introduction to Non-Invasive Physics	3.0
CVT 107 Non-Invasive Cardiovascular Physics	3.0
CVT 112 Cardiovascular Principles	3.0
CVT 140 Non-Invasive Cardiology I.....	3.0
CVT 141 Non-Invasive Cardiology II	3.0
CVT 142 Non-Invasive Cardiology Clinical I	5.0
CVT 145 Non-Invasive Cardiology Clinical II Applications	5.0
CVT 243 Non-Invasive Cardiology III.....	3.0
CVT 245 Non-Invasive Cardiology Clinical III	8.0
CVT 246 Non-Invasive Cardiology Special Topics.....	2.0

SUBTOTAL: 43.0

OTHER COURSES REQUIRED FOR GRADUATION

COURSES	CREDIT HOURS
AHS 102 Medical Terminology	3.0

SUBTOTAL: 3.0

TOTAL CREDIT HOURS: 69.0

Note: Each student is required to complete BIO 211 (before the end of the first semester) and SPC 205 (before the end of the second semester). Students are encouraged to complete all general education coursework prior to beginning program coursework.

VASCULAR SONOGRAPHY CERTIFICATE

Vascular Sonography utilizes ultrasound to perform diagnostic testing on patients' arteries and veins. The vascular sonographer will utilize state-of-the-art equipment to interrogate the vessels, record images/measurements, and study hemodynamic data derived from vascular testing. Vascular Sonography is primarily used in the diagnosis of blood clots, blockages, and aneurysms. Upon diagnosis, these can be treated by a licensed physician or vascular surgeon.

Admission: To become eligible for entry into the Vascular Sonography Certificate major studies coursework, applicants must complete the following:

1. Must hold a sonography credential with American Registry of Diagnostic Medical Sonography (ARDMS) or Cardiovascular Credentialing International (CCI). (Examples: RDCS, RDMS, RCS, ACS, RCCS).
2. Minimum grade point average for the above courses of 2.5. A grade point average calculator can be found on the Health Care Program-Ready Resources section of the college website.
3. Good academic standing at the college.

Students are required to maintain a current American Heart Association "Basic Life Support" certification throughout the major studies courses.

Major Studies Courses: Completion of the Certificate in Vascular Sonography requires two (2) semesters of major studies coursework.

GENERAL EDUCATION COURSES

COURSES	CREDIT HOURS
CVT 130 Vascular Sonography I.....	3.0
CVT 131 Vascular Sonography Clinical I	6.0
CVT 132 Vascular Sonography II	3.0
CVT 133 Vascular Sonography Clinical II.....	4.0

SUBTOTAL: 16.0

TOTAL CREDIT HOURS: 16.0

>>> Visit www.ptc.edu/cardio to learn more.