

## CARDIOVASCULAR INVASIVE SPECIALIST AAS

**Purpose:** RCTC's Cardiovascular Invasive Specialist (CVIS) program trains students to work in collaboration with and under the supervision of physicians to assist with the preparation and to perform diagnostic and therapeutic invasive cardiovascular procedures. The CVIS technologist must have the technical skills and competence to assist with these invasive procedures. Invasive cardiovascular procedures are performed in a clinical cardiovascular laboratory environment.

Graduates are eligible to take professional certification examinations given by Neurodiagnostic Credentialing and Accreditation (ABRET), American Association of Electrodiagnostic Technologists (AAET), American Board of Electrodiagnostic Medicine (ABEM)) and the Board of Registered Polysomnographic Technologists (BRPT).

### **Award**

*Cardiovascular Invasive Specialist A.A.S. Degree.....63 credits total*  
*Cardiovascular Invasive Specialist curriculum ..... 41 credits\**  
*MnTC curriculum/General Education..... 22 credits*

### **RECOMMENDED FULL-TIME COURSE SEQUENCE**

*Note: Not all courses are scheduled every semester. See [www.rctc.edu](http://www.rctc.edu) for additional course and program information.*

<b>Semester 1 (Fall)</b>		<b>Semester 2 (Spring)</b>	
BIOL 1217: Anatomy and Physiology I	4 cr	BIOL 1218: Anatomy and Physiology II	4 cr
CHEM 1117: General, Organic, and Biological Chemistry I	4 cr	ENGL 1117: Reading and Writing Critically I	4 cr
PHYS 1103: Principles of Physics	3 cr	PHIL 1125: Ethics OR PHIL 1135: Bioethics	3 cr
<b>Total Credits</b>	<b>11</b>	<b>Total Credits</b>	<b>11</b>
<b>Semester 4 (Fall)</b>		<b>Semester 5 (Spring)</b>	
CVIS 1010: Introduction to Cardiology	2 cr	CVIS 2020: Invasive Cardiology I	5 cr
CVIS 1020: Introduction to Electrocardiography	2 cr	CVIS 2030: Cardiovascular Pharmacology	2 cr
CVIS 2060: Diagnostic Imaging & Fluoroscopy	2 cr	<b>Total Credits</b>	<b>7</b>
<b>Total Credits</b>	<b>6</b>	<b>Total Credits</b>	<b>7</b>
<b>Semester 6 (Summer)</b>			
CVIS 2021: Invasive Cardiology II			6 cr
<b>Total Credits</b>			<b>6</b>
<b>Semester 7 (Fall)</b>		<b>Semester 8 (Spring)</b>	
CVIS 2010: Cardiovascular Physiology & Pathophysiology	4 cr	CVIS 2070: Internship	12 cr
CVIS 2040: Clinical	6 cr	<b>Total Credits</b>	<b>12</b>
<b>Total Credits</b>	<b>10</b>	<b>Total Credits</b>	<b>12</b>

\*All CVIS courses are taken at Mayo Clinic School of Health Sciences.

Course descriptions can be found at: <https://www.rctc.edu/academics/courses/course-descriptions>.