St. Cloud Technical & Community College
Cardiovascular Technology (CVT) Program

Current SCTCC Student - Information Packet

Welcome!
Health programs have specific requirements for students to complete.
This material is to help guide you through the process from beginning to graduating from your intended health major.
Staff and faculty are here to assist with your educational journey and look forward to seeing you on campus!

Cardiovascular Technology Program Description
Cardiovascular Technology is a full-time program that begins each fall semester.

- 12 students are accepted each fall semester.
- Begins each fall semester
- 4 semesters: fall, spring, fall, spring

It is a competitive program that requires a 2-application process.

With a Cardiovascular Technology degree, graduates will be able to start a career in the heart-related health field. Students will learn anatomy, physiology, and pathology of the heart, coronary arteries, and cardiac vascular function.

Graduates of the program will help cardiologists in performing diagnostic and interventional procedures related to stent placements, pacemaker implants, and other heart or blood vessel conditions.

Cardiovascular Careers
The Cardiovascular Technology Program prepares students for employment in cardiac catheterization labs, electrophysiology labs, open heart surgical suites and cardiac research facilities.

- The three-year placement rate for the Cardiovascular program is 90%.
- The average Central MN hourly salary range is $26.00 per hour.
**Academic Advising Center - Current Student / Advisor Meetings**

Current students are required to meet with an advisor at least once a semester to receive a registration access code and review their academic plan.

We encourage students to visit more often with any questions or concerns they may have.

We are here to align you with resources that are available and help guide you through your educational journey at SCTCC!

**Definition of a Current Student is one that has:**
- Completed the Admissions process and fully accepted to SCTCC AND
- Completed e-orientation and scheduled an initial appointment with an academic advisor OR
- Currently registered for classes at SCTCC as a current, accepted student.

Academic Advising Center: 320-308-5741
Email: aac@sctcc.edu
https://www.sctcc.edu/advising

**Cardiovascular Technology Program application (2nd application):**

Applicant MUST be a Current Student (applied and accepted to SCTCC).

Students can apply to the program with pre-requisites in progress, MUST be complete prior to the start of the program (see next page).

Priority will be given to students with all pre-requisites complete at the time of application. Minimum GPA of 2.5 for the pre-requisite courses.

Applicants must be in Good Academic Standing at SCTCC (cumulative GPA 2.0 and cumulative completion rate of 67%).

Students who are on academic warning or probation will only be considered through an appeals process.

- The Cardiovascular Technology application is open December 1st through March 1st. Applications will remain open until program is filled. Qualified applicants received after March 1st will be placed on the alternate list.
- Application is found at [http://www.sctcc.edu/cardiovascular-technology-apply-online](http://www.sctcc.edu/cardiovascular-technology-apply-online)

The Cardiovascular Technology program is competitive and the college may not be able to accept all applicants that meet the minimum admission standards.
Cardiovascular Technology Program Requirements

- A minimum grade of “C” or better AND a cumulative GPA of 2.5 or above in pre-requisite coursework is required to be considered for admission.
- Pre-requisites must be completed before start of the program. Preference may be given to applicants with all pre-requisites complete at time of application.
- Must meet the math requirement (Be prepared to take 1 of the math course options for the program).
- Re-Take Options: 1 of the pre-requisites may be re-taken one time (Consult with an advisor about the impact of repeated courses).
- When applying to the program, applicants must be in Good Academic Standing at SCTCC (not on warning or probation - cumulative GPA 2.0 & cumulative completion rate of 67%).

General Education pre-requisites include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLGY 1351 General Biology</td>
<td>4</td>
<td></td>
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</table>

General Education Pre-requisites for the Cardiovascular Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLGY 2310 Human Anatomy/Physiology I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>HLTH 1440 Medical Terminology</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Goal area 1 Communications – Oral (Example: CMST 2310)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

8 credit

The following courses can be taken once accepted to the CVT program. Completing 1 or more of the courses by time of CVT application, will improve program acceptance:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLGY 2320 – Human Anatomy &amp; Physiology II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Goal Area 1 - Written Communication (ENGL 1303, 1308, 1309 or 1302)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Goal Area 4 - Mathematics (MATH 1300, 1331 OR 1351)</td>
<td>3</td>
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</tbody>
</table>

TOTAL 10 credits

Math Requirement: Register for level of math based on Accuplacer, MCA or ACT scores to be prepared for program requirement (consult an advisor) may include the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 0420 – Pathway to College Math</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MATH 0475 / MATH 0485 /MATH 0495 (Inter. Algebra)</td>
<td>4 OR 3</td>
<td></td>
</tr>
</tbody>
</table>

Students MUST supply documentation OR take course work at SCTCC:

CPR requirement: MUST BE American Heart Association - Basic Life Support (BLS)
- Provide a copy of CPR card AFTER accepted to the CVT program (during CVT orientation meeting)
- Course options at SCTCC: EMSC 1480 (1 credit course) OR HBHE 1513 (Hour based course)

NOT required, but recommended to improve Cardiovascular Technology program acceptance:
- Complete Nurse Assistant course (HLTH 1402)(HCCC) OR EMT I & EMT II (EMSC 1450 & EMSC 1455)
- Earn a health degree, AA, HSBF - AS or Bachelor degree
**Historical Applicant Data - Cardiovascular Technology**
(Previous years – Student Data)

<table>
<thead>
<tr>
<th>Start Date</th>
<th>Seats Available</th>
<th>Total # of Applicants</th>
<th>*Total # of Qualified Applicants</th>
<th>Average GPA in pre-requisites</th>
<th>**Earned AA, HSBF, Bachelor's degree OR Health Degree</th>
<th>**Earned 9 or more pre-requisites at SCTCC</th>
<th>Completed Nurse Assistant course OR EMT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2014</td>
<td>12</td>
<td>16</td>
<td>14</td>
<td>3.09</td>
<td>0</td>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td>Fall 2015</td>
<td>12</td>
<td>22</td>
<td>16</td>
<td>3.31</td>
<td>4</td>
<td>8</td>
<td>5</td>
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<tr>
<td>Fall 2016</td>
<td>12</td>
<td>23</td>
<td>22</td>
<td>3.46</td>
<td>6</td>
<td>19</td>
<td>12</td>
</tr>
<tr>
<td>Fall 2017</td>
<td>12</td>
<td>25</td>
<td>19</td>
<td>3.55</td>
<td>8</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>Fall 2018</td>
<td>12</td>
<td>27</td>
<td>15</td>
<td>3.73</td>
<td>6</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Fall 2019</td>
<td>12</td>
<td>52</td>
<td>31</td>
<td>3.42</td>
<td>6</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Fall 2020</td>
<td>12</td>
<td>39</td>
<td>34</td>
<td>3.64</td>
<td>10</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

*Prerequisite courses complete with a GPA of 2.5 or higher
** Students accepted to the Cardiovascular Technology program earned/completed areas

**Application Timeline for the Cardiovascular Technology Program**
Estimated dates and are subject to Change!

Must be a current SCTCC student to apply to the program

The Cardiovascular Technology application is open December 1st through March 1st.
- Applications will remain open until program is filled.
- Qualified applicants received after March 1st will be placed on the alternate list.

Application is found at [http://www.sctcc.edu/cardiovascular-technology-apply-online](http://www.sctcc.edu/cardiovascular-technology-apply-online)

6 weeks after application period closes:

- **Acceptance letters** sent to the top 12 applicants. Students offered admission to the Cardiovascular Technology program must respond by the date noted in the acceptance letter to reserve their seat in the program.

- **Alternate List** applicants are notified of their status (not accepted to the program, currently on the alternate list).

- Non-accepted applicants are notified and are encourage to meet with an Academic Advisor to discuss:
  - ways to improve your application before reapplying to the program
  - your educational options / course selection for next semester
  - other programs and opportunities at SCTCC
Students admitted to the Cardiovascular Technology program
• Applicants will be notified of the date and time for the mandatory Cardiovascular Technology student orientation, usually held in June.

• Applicants MUST supply documentation of current AHA/Basic Life Support.

• Applicants will be required to take and pass a MN Criminal Background study, electronic fingerprinting AND drug testing (paid for by the student).

Students placed on the Alternate List for Cardiovascular Technology
• Applicants who meet the requirements but were not admitted because the program was full will be placed on a ranked alternate list.

• Applicants placed on this list will be eligible for admission to the program if spaces open prior to the beginning of the fall semester.

• ALL applicants who wish to gain admission to the Cardiovascular Technology program in the future must reapply, including those who were on the previous year’s alternate list.

If an applicant is accepted and declines to be admitted into the program, no preference will be given to the applicant should he or she choose to apply in any subsequent year. In order to be considered for admission in any subsequent year, such students will need to go through the entire application process again.
The Cardiovascular Technology A.A.S. program is a 60-credit degree

Length of Program Once Admitted: 4 semesters
Start: Fall Semester/August

Program courses (once accepted) = 52 credits
Pre-requisites credits: = 8 credits
TOTAL = 60 credits

Cardiovascular Technology Program Course (once accepted)

Fall - Semester I
ICVT 1441 Introduction to Clinics 3 credit
ICVT 1445 Cardiovascular Anatomy & Physiology 3 credit
TOTAL 6 credits

Spring - Semester II
ICVT 1422 Cardiovascular Instrumentation 3 credit
ICVT 1424 Catheterization Lab Fundamentals I 3 credit
ICVT 1430 EKG Interpretation 1 credit
ICVT 1443 Cardiovascular Clinic I 5 credit
TOTAL 12 credits

Fall – Semester III
ICVT 2405 Cardiovascular Pathology 3 credit
ICVT 2427 Catheterization Lab Fundamentals II 3 credit
ICVT 2446 Cardiovascular Clinic II 5 credit
TOTAL 11 credits

Spring – Semester IV
ICVT 2450 Applied Clinical Internship 13 credit
TOTAL 13 credits

General Education courses (taken before OR during program acceptance)
BLGY 2320 – Human Anatomy & Physiology II 4 credit
Goal Area 1 Communication – written (ENGL 1303 or 1302) 3 credit
Goal Area 4 Mathematics (MATH 1300, 1331 OR 1351) 3 credit
TOTAL 10 credits

Estimated Cost of Program
- Tuition & Fees (60 credits) $12,214
- Books, Supplies, Materials $ 3,950
  $16,164

Please visit http://www.sctcc.edu/financial-aid for tuition and fees rate, cost of credits and programs. Also, there is information on how to apply for Financial Aid and Scholarships.

Licensing Exam
After graduation, students are eligible to take the Registered Cardiovascular Invasive Specialist (RCIS) exam.
Program FAQs – Cardiovascular Technology

Can I apply directly to the Cardiovascular Technology program?
Students MUST be a Current Student (applied and accepted to SCTCC).

Can I apply to the program without all of the pre-requisites complete?
Students can apply with pre-requisites in-progress, MUST be complete prior to the start of the program. Priority will be given to students with all pre-requisites complete at the time of application.

Can I re-take a pre-requisite course to improve my GPA?
Each pre-requisite course may be re-taken 1 time. Please check with an advisor before re-taking classes. Students may not receive Financial Aid for the re-take course.

When does the Cardiovascular Technology program start?
The Cardiovascular program is a 4-semester program that begins each Fall Semester.

How many students are accepted?
12 students are accepted each fall semester.

Can I attend Part-Time?
The Cardiovascular program is a full-time program only.

Can I take the Cardiovascular program classes online?
Once accepted to the program, classes are all held on-campus or at Clinical sites.

When can I apply to the program?
The Cardiovascular Technology application window is open December 1st through March 1st and will remain open until program is full. Application found at http://www.sctcc.edu/cardiovascular-technology-apply-online

Once accepted to the Cardiovascular Technology program, what is the schedule like?
First & Second Semester: Classes are scheduled on Tuesday and Thursday. Students are encouraged to attend Open Lab during the week to improve skills.

Third Semester: Classes are scheduled on Monday through Thursday. Students are encouraged to attend Open Lab during the week to improve skills.

Fourth Semester: Internship are Monday through Friday, hours determined by the site.

Clinical sites include: The clinical sites are located throughout MN and the 5-state area. Students are informed of clinical location in November and will begin in January (4th semester).

Is the Cardiovascular Technology program accredited?
The Cardiovascular Technology program is accredited by:
Commission on Accreditation of Allied Health Education Programs (CAAHEP)
1361 Park Street, Clearwater, FL 33756
Telephone: (727) 210-2350
Fax: (727) 210-2350
http://www.caahep.org/

Joint Review Committee on Education in Cardiovascular Technology (JRC-CVT)
1449 Hill Street
Whitinsville, MA 01588-1032
Telephone: (978) 456-5594
http://www.jrccvt.org/.

St. Cloud Technical & Community College is accredited by the Higher Learning Commission.
Checklist to Acceptance

Health Programs at St. Cloud Technical & Community College
(For Students Currently Enrolled at SCTCC)

Cardiovascular Technology • Dental Assistant • Dental Hygienist • Paramedicine
Practical Nursing • Nursing (2-year RN) • Sonography • Surgical Technology

☑ Register for pre-requisite courses for intended health major (each semester you and an advisor will review your academic plan).

☑ Earn a high GPA to be considered for health majors.

☑ Apply to the health major when requirements have been met and the program application window is open.

For details, please refer back to the Packet Information.

Visit SCTCC! – Cardiovascular Technology Program Information Session

Thank you for your interest in the Cardiovascular Technology program at SCTCC!

We invite you to sign up for a Cardiovascular Technology Information Session to learn more about the program. https://www.sctcc.edu/infosessions/HEALTH

After reviewing this information, if you need further assistance, please contact:

Admissions Office 320-308-5089 enroll@sctcc.edu
Academic Advising Center 320-308-5741 advising@sctcc.edu