

# CVT A170: ECG CLINICAL EXPERIENCE

Item	Value
Curriculum Committee Approval Date	02/26/2025
Top Code	121500 - Electrocardiography
Units	5 Total Units
Hours	234 Total Hours (Lecture Hours 18; Lab Hours 216)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Pass/No Pass (B)

## Course Description

Assigned clinical practice within a health care facility in areas of routine ECG testing, stress testing, monitor technician, Holter monitoring, and pacemaker evaluation. PREREQUISITE: ALH A115 and CVT A160. Transfer Credit: CSU.

## Course Level Student Learning Outcome(s)

1. Perform ECG, treadmill stress testing and designated duties of a cardiovascular technician.

## Course Objectives

- 1. Perform electrocardiograms within a hospital or clinic setting unassisted.
- 2. Perform set-up and monitoring of patients during stress testing with assistance.
- 3. Perform set-up of Holter monitors and scanning of the tapes with assistance.
- 4. Recognize abnormalities, document and troubleshoot problems with patients on continuous cardiac monitoring with assistance.
- 5. Interact with patients in a friendly, courteous manner demonstrating concern for their well-being.
- 6. Communicate effectively with patients.
- 7. Conform to the rules of dress established by the clinical facility and college.
- 8. Demonstrate initiative and cooperativeness by volunteering to do tasks not specifically assigned.
- 9. Demonstrate confidence by performing assignments without hesitation and with the appropriate level of accuracy.
- 10. Complete all clinical work assignments in a reasonable length of time.

## Lecture Content

Students will be assigned to a cardiology department within a clinical affiliate and provided assignments, supervision, and evaluation by a designated clinical instructor/supervisor. During the weekly seminar,

students will give an oral presentation and submit a report in writing of a cardiac pathology or related cardiac issue.

## Lab Content

Students will be assigned to a cardiology department within a clinical affiliate and provided assignments, supervision, and evaluation by a designated clinical instructor/supervisor. During the weekly seminar, students will give an oral presentation and submit a report in writing of a cardiac pathology or related cardiac issue.

## Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- Work Experience (20)
- Directed/Independent Study (40)
- Field Experience (90)
- Non-Directed Clinical (NDR)

## Instructional Techniques

Observation, instruction and evaluation by the clinical site instructor or preceptor.

## Reading Assignments

Approximately 2 hour weekly textbook review for clinical referencing of cases.

## Writing Assignments

Weekly skills performance evaluations. .5 hour Written and oral presentation preparation.

## Out-of-class Assignments

## Demonstration of Critical Thinking

1. On-site visit from the program coordinator and/or clinical coordinator.
2. Satisfactory completion of required hours.
3. Evaluation of work performed and attitude of student.
4. Completion of written and oral report.
5. Completion of weekly performance evaluation syllabus.

## Required Writing, Problem Solving, Skills Demonstration

Weekly skills performance evaluations. Written and oral presentation.

## Eligible Disciplines

Cardiovascular technology: Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

## Textbooks Resources

1. Required Wesley, Kieth. Huszar's ECG and 12-Lead interpretation, 6 ed. Elsevier, 2021