Health Sciences

Cardiac Telemetry Technician (CCCTT)
Certificate of Completion
Program Effective Term:　　　**Fall 2021**

High Demand Occupation　High Skill Occupation　High Wage Occupation

Students in this program learn the skills required to become Cardiac Telemetry Technicians. Cardiac Telemetry Technicians are health professionals responsible for measuring and reporting the patient's heart rhythm and rate. Students will learn to ensure proper electrode placement on the patient, record the Electrocardiogram (ECG) and measure, interpret and report ECG wave form results to the nursing staff and physician. Upon successful completion of the certificate, students will also be eligible to take the National Certification Electrocardiogram (ECG) Exam.

Program Admission Requirements:
High school diploma or GED, 18 years old by the start of the clinical requirement, successful background check, Academic Reading and Writing Levels of 6

Continuing Eligibility Requirements:
Must be met prior to starting HSC 140:
-Mandatory attendance at HSC 140 orientation
-Successful background check prior to taking the course, per explanation
-Academic Reading and Writing Levels of 6
-Completion of GED or high school diploma

Must be met prior to clinical placement in HSC 140:
-Negative TB skin test
-Complete Health History form (physical examination by practitioner)
-Hepatitis immunization series or updated titers on file
-Health insurance
-Current BLS/CPR from AHA
-Background check/drug/fingerprinting per policy of hospital

Major/Area Requirements		(6 credits)
HSC 131	CPR/AED and First Aid	1
HSC 140	Cardiac Telemetry Monitoring	5

Minimum Credits Required for the Program:　　　　　　　　　　　　　　　**6**

Washtenaw Community College

PROGRAM PROPOSAL FORM

☐ **Preliminary Approval –** Check here when using this form for preliminary approval of a program proposal and respond to the items in general terms.

☒ **Final Approval** – Check here when completing this form after the Vice President for Instruction has given preliminary approval to a program proposal. For final approval, complete information must be provided for each item.

Program Name:	Cardiac Telemetry Technician	**Program Code:**
Division and Department:	Health Science/ Health Science Dept.	CCCTT
Type of Award:	☐ AA ☐ AS ☐ AAS ☐ Cert. ☐ Adv. Cert. ☐ Post-Assoc. Cert. ☒ Cert. of Comp.	
Effective Term/Year:	Fall 2021	**CIP Code:**
Initiator:	Elizabeth Connors & Lodica Wallace	51.0902

Program Features Program's purpose and its goals. Criteria for entry into the program, along with projected enrollment figures. Connection to other WCC programs, as well as accrediting agencies or professional organizations. Special features of the program.	**Purpose and Goals:** This certificate program prepares students for an occupation in Telemetry Monitoring. The course provides fundamentals in cardiac rhythms, applying cardiac monitors on patients in healthcare settings, and communicating effectively with the nurse caring for the patient on the cardiac monitor. **Admission requirements:** High school diploma or GED, 18 years old by the start of the clinical requirement (final course), successful background check, Academic Reading and Writing Levels of 6. **Enrollment:** Approximately 16 students will be admitted each term. **Accreditation:** No accreditation is required for Cardiac Telemetry Monitoring programs. However, approval by the testing agency is required. Once the program is approved by the testing agency, students may sit for the National Certified ECG Technician (NCET) Exam for telemetry monitors on successfully completing the program. **Professional Organizations:** Upon successful completion of the two courses with a cumulative G.P.A of 2.5 or higher, the student is eligible to sit for the National Certified Electrocardiogram (ECG) Technician Exam for telemetry monitors.
Need Need for the program with evidence to support the stated need.	In January 2020, WCC was contacted by both Michigan Medicine and Trinity Health inquiring about the possibility of developing a training program for Cardiac Telemetry Monitoring. The hospitals have agreed to provide clinical training to WCC Cardiac Telemetry students.

Program Outcomes & Assessment State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program. Include assessment methods that will be used to determine the effectiveness of the program.	Outcomes 1. Identify cardiac anatomy. 2. Read and interpret cardiac rhythm strips by identifying common cardiac rhythms and arrhythmias. 3. Differentiate severity of arrhythmia blocks.	Assessment method 1. Outcome-related test questions 2. Outcome-related test questions, Skill checklist and clinical evaluation 3. Outcome-related test questions, Skill checklist and clinical evaluation All outcomes: National Certification ECG Exam will be scored by testing agency

Curriculum List the courses in the program as they should appear in the catalog. List minimum credits required. Include any notes that should appear below the course list. Associate degree programs must provide a semester by semester program layout.	**Semester 1 (only):** **HSC 131 CPR/AED and First Aid - 1 credit** **HSC 140 Cardiac Telemetry Monitoring – 5 credits** ———————— **Total – 6 credits**		

Budget Specify program costs in the following areas, per academic year:		**START-UP COSTS**	**ONGOING COSTS**
	Faculty	$.	$.
	Training/Travel	300.00	300.00
	Materials/Resources	500.00	500.00
	Facilities/Equipment	20,000.00	20,000.00
	Other	.	.
	TOTALS:	$ 20,800.00	$ 20,800.00

Program Description for Catalog and Web site	Students in this program learn the skills required to become Cardiac Telemetry Technicians. Cardiac Telemetry Technicians are health professionals responsible for measuring and reporting the patient's heart rhythm and rate. Students will learn to ensure proper electrode placement on the patient, record the Electrocardiogram (ECG) and measure, interpret and report ECG wave form results to the nursing staff and physician. Upon successful completion of the certificate, students will also be eligible to take the National Certification Electrocardiogram (ECG) Exam.

Program Information	Accreditation/Licensure – None
	Advisors – Sue Travis and Karolyn Lehn, Health Science
	Advisory Board – An Advisory Board will be developed and include WCC faculty members, counselors, local health care agency representatives and recent program graduates.
	Admission requirements – High school diploma or GED, 18 years old by the start of the clinical requirement, successful background check, Academic Reading and Writing Levels of 6.
	Continuing Eligibility Requirement: Must be met prior to starting HSC 140: • Mandatory attendance at HSC 140 orientation • Successful background check prior to taking the course, per explanation • Academic Reading and Writing Levels of 6 • Completion of GED or High School Diploma Must be met prior to clinical placement in HSC 140: • Negative TB skin test • Complete Health History form (physical examination by practitioner) • Hepatitis immunization series or updated titers on file • Health Insurance • Current BLS/CPR from AHA • Background check/drug/fingerprinting per policy of hospital
	Articulation agreements – None currently

Assessment plan:

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed
1. Identify cardiac anatomy.	Outcome-related test questions	Winter 2024	HSC 140	All
2. Read and interpret cardiac rhythm strips by identifying common cardiac rhythms and arrhythmias.	Outcome-related test questions Skill checklist Clinical evaluation National Certification ECG Exam	Winter 2024	HSC 140	All
3. Differentiate severity of arrhythmia blocks.	Outcome-related test questions Skill checklist Clinical evaluation National Certification ECG Exam	Winter 2024	HSC 140	All

Scoring and analysis plan:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.
   o Outcome-related test questions will be scored using an answer key.
   o Skill checklist will be scored using a checklist
   o Clinical skill evaluation will be scored using a rubric
   o National Certification Electrocardiogram (ECG) Exam will be scored by testing agency.

2. Indicate the standard of success to be used for this assessment.
   o Written test: 75% of students will score 76% or higher.
   o Skill evaluation: 75% of students will correctly perform 80% of the skills.
   o Clinical skill evaluation: 75% of students will correctly perform 80% of the items on the clinical evaluation form.
   o National Certification Electrocardiogram (ECG) Exam: 75% of the students who take the certification exam will score 76% or higher.

3. Indicate who will score and analyze the data.

   Assessment data will be scored and analyzed by program director and faculty of the program.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Kiela Samuels	*Kiela M. Samuel*	10/21/2020
Dean	Valerie Greaves	*Valerie Greaves*	10/22/20
Curriculum Committee Chair	Lisa Veasey	*Lisa Veasey*	12/1/20
Please submit completed form to the Office of Curriculum and Assessment (SC 257). Once reviewed by the appropriate faculty committees, we will secure the signature of the VPI and President.			
Vice President for Instruction ☐ Approved for Development ☐ Final Approval	Kimberly Hurns	*Kimberly Hurns*	1/15/2021
President	Rose Bellanca	*Rose B. Bellanca*	2/15/21
Board Approval			3/30/21