



DEPARTMENT OF  
HIGHER EDUCATION &  
WORKFORCE DEVELOPMENT

**New Program Report**

**Date Submitted:**

10/20/2021

**Institution**

Northwest Missouri State University

**Site Information**

**Implementation Date:**

1/3/2022 12:00:00 AM

**Added Site(s):**

**Selected Site(s):**

Northwest Missouri State University, 800 University Drive, Maryville, MO, 64468-6001

**CIP Information**

**CIP Code:**

510902

**CIP Description:**

A program that prepares individuals, under the supervision of physicians and nurses, to administer EKG and ECG diagnostic examinations and report results to the treatment team. Includes instruction in basic anatomy and physiology, the cardiovascular system, medical terminology, cardiovascular medications and effects, patient care, EKG and ECG administration, equipment operation and maintenance, interpretation of cardiac rhythm, patient record management, and professional standards and ethics.

**CIP Program Title:**

Electrocardiograph Technology/Technician

**Institution Program Title:**

Echocardiographic Sciences

**Degree Level/Type**

**Degree Level:**

Bachelor's Degree

**Degree Type:**

Bachelor of Science

**Options Added:**

**Collaborative Program:**

N

**Mode of Delivery**

**Current Mode of Delivery**

Classroom

**Student Preparation**



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Special Admissions Procedure or Student Qualifications required:

Acceptance into an affiliated program is competitive and will be determined by the quality of academic work completed by the student during the first two years of study. Admission to the clinical portion of the program is decided entirely by the affiliated medical center. Acceptance into the University does not guarantee acceptance of the student by an affiliated program.

Specific Population Characteristics to be served:

n/a

**Faculty Characteristics**

Special Requirements for Assignment of Teaching for this Degree/Certificate:

No requirements beyond our standard instruction requirements.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

50%

Expectations for professional activities, special student contact, teaching/learning innovation:

No expectations beyond our normal expectations.

**Student Enrollment Projections Year One-Five**

Year 1	Full Time: 4	Part Time: 0	
Year 2	Full Time: 4	Part Time: 0	
Year 3	Full Time: 4	Part Time: 0	Number of Graduates: 4
Year 4	Full Time: 4	Part Time: 0	
Year 5	Full Time: 4	Part Time: 0	Number of Graduates: 4

Percentage Statement:

n/a

**Program Accreditation**

Institutional Plans for Accreditation:

No accreditation for this degree completion program is applicable to our portion of the degree completion.

**Program Structure**

Total Credits:

120

Residency Requirements:

n/a

General Education Total Credits:

44

Major Requirements Total Credits:

72

**Course(s) Added**

COURSE NUMBER	CREDITS	COURSE TITLE
see	0	attached



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**Free Elective Credits:**

0

**Internship or other Capstone Experience:**

N/A

**Assurances**

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

**Contact Information**

First and Last Name: JAY  
JOHNSON

Email: [jayj@nwmissouri.edu](mailto:jayj@nwmissouri.edu)

Phone: 660-562-1277

BS Echocardiographic Sciences (No Minor Required) 2+2 Degree Completion Program

1. Northwest Core – 44-47 hours
2. Institutional Requirements – 4 hours
3. Required Courses – 35 hours
  - a. BIOL - 04102 - General Biology - 3 credits  
BIOL - 04103 - General Biology Laboratory - 1 credit  
OR  
BIOL - 04106 - Principles of Biology - 3 credits  
BIOL - 04107 - Principles of Biology Laboratory - 1 credit
  - b. MATH - 17118 - Precalculus Algebra - 3 credits
  - c. PHYS - 25110 - General Physics I - 3 credits
  - d. PHYS - 25111 - General Physics I Laboratory - 1 credit
  - e. PHIL - 39276 - Biomedical Ethics - 3 credits
  - f. SOC - 35101 - General Sociology - 3 credits
  - g. COM - 29102 - Fundamentals of Oral Communication - 3 credits
  - h. BIOL - 04104 - Medical Terminology - 3 credits
  - i. BIOL - 04236 - Anatomy Allied Health - 4 credits
  - j. BIOL - 04238 - Physiology Allied Health - 4 credits
  - k. CHEM - 24114 - General Chemistry I - 3 credits
  - l. CHEM - 24115 - General Chemistry I Laboratory - 1 credit
4. Echocardiography Courses – 57-59 hours
  - a. Transferred in from affiliated hospitals' schools of echocardiography
5. Free Electives – balance remaining to fulfill 120 graduation requirement