

Biomedical Equipment Technology 470105 BET Advanced Option for AAS Degree or Short-Term Certificate

Available: Shoals Campus

Advisor: R. Reaves (5201) rgr@nwsc.edu

This advanced option, in addition to the Electronics Technology Associate in Applied Science Degree, will prepare the student for employment in both the medical and industrial settings as biomedical equipment technicians. The increasing complexity of biomedical equipment demands the availability of highly skilled technicians, knowledgeable in the theory of application, underlying physiological principles, and safe application of biomedical equipment. To enter this certificate program, the student must have program advisor approval and have satisfactorily completed the requirements for the Electronics Technology AAS Degree at the College.

	Semester		
	Theory	Lab	Hours
BIO 103 Principles of Biology I	3	2	4
ILT 169 Hydraulics/Pneumatics	3	0	3
ILT 203 Biomedical Electronics I	3	0	3
ILT 204 Biomedical Electronics II	3	0	3
ILT 226 BMET Certification Preparation or Certification Preparation Elect.	3	0	3
ILT 294 Biomedical Electronics Clinical I	0	10	3
ILT 295 Biomedical Electronics Clinical II	0	10	3
Total Semester Credit Hours			22

Emergency Medical Services 510904 EMP Associate in Applied Science Degree

Available: Shoals Campus

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NOTICE: The EMS admission criteria, the progression guidelines, and the curriculum are currently being revised. Please see an EMS advisor.

The Emergency Medical Services Program is designed to prepare qualified applicants in basic and advanced emergency care in clinical and in field environments. Graduates qualify for employment with fire and rescue departments, ambulances services, industries and emergency departments within medical facilities. EMS education spans three levels of competency: First Responder, EMT-Basic, and Paramedic. Each level of competency meets or exceeds standards set forth by the Department of Transportation (DOT) National Standard Training Curriculum, and by the State of Alabama Department of Public Health. Students may enroll in the EMS program with the intention of completing only the courses required for each level of EMS education: EMT-Basic or Paramedic. Upon successful completion of either level, the student will be eligible to apply for registration with the National Registry of EMTs. Graduation from the program, however, does not guarantee Alabama Department of Public Health Office of EMS and Trauma or National Registry of EMTs approval to take the NREMT licensing examination.

The Emergency Medical Services Program supports the Philosophy and Purpose of the College and serves its community by preparing entry level Emergency Medical Services personnel in varied health settings. The EMS Program Director and the EMS faculty have the responsibility for administering and evaluating the Emergency Medical Services Program according to policies and guidelines established by the College, the Alabama Department of Public Health, and the Commission on Accreditation of Allied Health Education Programs in association with the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

To receive an Associate of Applied Science Degree in Emergency Medical Services, the student must complete the EMT certificate levels and all academic core curriculum course requirements. All EMS students must take all parts of the ASSET or COMPASS placement test. Students completing the test should see the Program Director for placement into the English and math classes. Because EMS programs contain a clinical component, students are required to meet additional health requirements as well as the "Essential Functions of the EMT." Questions regarding the EMS program should be directed to the Program Director at (256) 331-5435.

The Purpose of the Emergency Medical Services Program is to:

1. Prepare entry level Emergency Services Personnel who utilize appropriate knowledge and skills to deliver safe, competent care to clients of all ages.
2. Foster learning as a life-long process to remain competent.