

ILT 132	Programming Survey for Technicians
ILT 135	Local Area Networks
ILT 169	Hydraulics/Pneumatics
ILT 175	Computer Fundamentals for Technology Students
ILT 180	Special Topics
ILT 196	Programmable Logic Controllers II
ILT 203	Biomedical Electronics I
ILT 216	Industrial Robotics
ILT 228	FCC General Radiotelephone License Prep
ILT 232	PC Repair Clinical
ILT 239	Certification Preparation
ILT 271	Independent Study
ILT 272	Independent Study
ILT 273	Independent Study
ILT 274	Independent Study
ILT 280	Special Topics
ILT 280A	A+ Certification Preparation
ILT 280B	Network+ Certification Preparation
ILT 280E	EEI Test Preparation
ILT 294	Biomedical Electronics Clinical I

NOTE: Two Electronics Electives totaling 6 sem. hours are required.

Student should consult advisor concerning possible electives from other program areas.

\*Students who have completed ENG 130 prior to Spring 2000, and students substituting ENG 102 must take Speech.

\*\*Computer competency skills are embedded within one or more courses required in this curriculum.

\*\*\*Keyboarding skills are essential for the successful completion of English 101.

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

Available: Shoals Campus

Advisor: R. Reaves (5201) [rgr@nwsc.edu](mailto: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
<b>Total Semester Credit Hours</b>			<b>22</b>

### **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, ambulance services, industries and emergency departments within medical facilities. EMS education spans three levels of competency: First Responder, EMT-Basic and EMT-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. The Emergency Medical Services Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs in the association with the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (COAEMSP). 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 EMT-Paramedic. Upon successful completion of any of the two levels, the student will be eligible to take the EMT National Registry examination for state licensure. 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 tests 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.

#### **ADMISSION REQUIREMENTS for the EMT-BASIC**

To be eligible to enroll in the BASIC EMT course, a student must complete the following:

1. Meet all admission requirements of the College and Alabama Department of Public Health;
2. Be a high school graduate or have a GED;
3. Attain the prescribed scores on the ASSET or COMPASS placement tests;
4. Be at least 18 years old (younger students who meet certain conditions may be able to enroll with the permission of the Program Director);
5. Possess a valid driver's license;