

**Associate in Applied Science in General Technology  
Electronics Technician Option  
(EDGE/Cooperative Program with Career/Technical Centers)**

The Associate in Applied Science in General Technology: Electronics Technician Option is an EDGE/ collaborative program between WVSTC and Career/Technical Centers. Students who complete the Electronics Technician Program and transfer to WVSTC will be granted 31 credit hours toward the A.A.S. in General Technology: Electronics Technician Option only upon completion of all courses (with a grade of C or better) in the Electronics Technology program and a passing score of 75% or above on the state exam.

**Careers for Electronics Technicians**

The program primarily prepares the graduates for employment and/or further on-the-job training in the field of consumer, commercial, and industrial electronics as service or maintenance technicians. Typical jobs for graduates of this program may include:

- Maintenance and service of electronic, computer, and communication equipment;
- Consumer electronics (audio and video) business electronics (data processing equipment);
- Automation (robotics and artificial intelligence);
- Utility companies (electric, telephone, gas, cable, and computer interactive services);
- Health care industry as bio-electronics technicians;
- Broadcast industry as radio/television engineers/ technicians; and
- any facility or operation using electrical/electronic systems, e.g., manufacturing industries, mining, armed forces, automobile, aerospace, semiconductor, waste-treatment, and weather forecasting.

**Program Learning Outcomes**

Upon completion of this program the student will be able to:

1. Pursue careers in electronics.
2. Adapt to rapid changes in the electronics field.
3. Explain DC and AC circuits.
4. Understand wiring and soldering.
5. Describe solid state devices.
6. Understand computer electronics theory and circuits.

**Curriculum/Suggested Sequence**

(66-67 hours required for graduation)

**FIRST SEMESTER**

COLL 101	College 101	3
HUM 101	Humanities	3
ENGL 101	English Composition I <b>OR</b>	
ENG 110	English Composition I	3
MATH 100	Intermediate Algebra <b>OR</b>	
BST 104	Business Math	3
Elective	Restricted Elective	<u>6</u>
	<b>Total Credits</b>	<b>18</b>

**SECOND SEMESTER**

ENG 120	Technical Writing <b>OR</b>	
BST 230	Bus Comm and Ethics <b>OR</b>	3
CS 106	Intro to Comp & Office App <b>OR</b>	
BST 240	Fund of Bus Comp Tech <b>OR</b>	3
BST 298	Business Studies Seminar	1
Elective	Natural Science Elective	4-5
Elective	Social Science Elective	3
Elective	Restricted Elective	<u>3</u>
	<b>Total Credits</b>	<b>17-18</b>

**Restricted Electives (Choose any three courses)** - BST 106,151, 180, 201,202, 205,255, ITEC, 101, 180, CS 109, CO-OP, and other courses as approved by program director.

**Natural Science Electives (Choose one)** – BIOL 101, CHEM 100, 101, PHYS 110, 102, 120, 170, 191 & 203

**Social Science Electives (Choose one)** – SOC 101, POSC 100, 101, PSYC 151, ECON 201, 202

**Career/Technical Center Courses-Transfer 31 credit hours to WVSTC**

WVEIS Code 1763	Fundamentals of Electricity	3	WVEIS Code 1789	Analog Circuits	3
WVEIS Code 1787	DC Circuit & Electronics Physics	3	WVEIS Code 1785	Digital Circuits	3
WVEIS Code 1783	AC Circuit	3	WVEIS Code 1782	Comp Elec Theory	3
WVEIS Code 1795	Wiring & Soldering	3	WVEIS Code 1784	Comp Elec Circuits	3
WVEIS Code 1781	Analog Circuits	3	WVEIS Code 1791	Electron Specialization	4

**Note:** Student must complete two years at Ben Franklin Career Center to obtain degree program from WVSTC.

