

# Avionics Technology, A.A.S.

This program is inactive for the 2020-2021 catalog year.

## Program Location: Alabama Aviation College at Brookley Field

### Aviation Division

Students learn to install, troubleshoot, repair, and maintain communication and navigation radios, weather radars, autopilots, on-board computers, transponders, and other equipment associated with aircraft communications and navigation. Graduates earn an Associate in Applied Science Degree in Avionics Technology.

This is a career program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of aircraft operating, control, and electronic systems. Includes instruction in flight instrumentation, aircraft communications and homing systems, radar and other sensory systems, navigation aids, and specialized systems for various types of civilian and military aircraft.

**Program:** Avionics Technology

**Type:** A.A.S.

## Semester One

Item #	Title	Credits
AVT 111	Avionics Theory	6
AVT 112	Avionics Lab I	5
ENG 101	English Composition I	3

## Semester Two

Item #	Title	Credits
AVT 121	Principles of Solid State	5
AVT 131	Digital Concepts	4
AVT 141	Introduction to Avionics	2
	MTH 100 or MTH 116	3
	SPH 106 or SPH 107	3

## Semester Three

Item #	Title	Credits
AVT 142	Electronic Communications	4
AVT 148	Microprocessors and Interfacing	4
	MTH/CIS/SCI Elective	3-4
CIS 146	Microcomputer Applications	3

## Semester Four

Item #	Title	Credits
AVT 211	Pulse and Radar Circuits	4
AVT 212	Aircraft Installation/Faa Regulations	4
AVT 213	Aviation Communication	4
	History, Social Science, or Behavioral Science Elective	3

## Semester Five

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
AVT 214	Navigation/ILS	4
AVT 215	DME Transponders	4
AVT 216	Autopilot Aircraft Systems	4
	Humanities/Fine Arts Elective (3 SH) II	3
	<b>Total credits:</b>	<b>75-76</b>