



Avionics Technology

Student Learning Outcomes

- 1 Communication- The student will demonstrate the ability to communicate effectively using written and/or oral communication.
- 2 Information Literacy- The student will recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information.
- 3 Problem Solving- The student will demonstrate the ability to analyze information and solve problems.
- 4 Workplace Skills - Demonstrates a mastery of workplace skills/soft skills, exhibits initiative, adapts to varied situations

Program Outcomes

- 1 Apply FAA rules and regulations to avionics tasks
- 2 Apply safety regulations to all avionics tasks
- 3 Demonstrate line testing methodologies on avionics components
- 4 Fabricate and repair wiring harness in accordance to FAA guidelines
- 5 Analyze the operation of avionics systems
- 6 Find and repair malfunctions in various avionics systems

Fall

Course #	Course Title	Credits	Function
AVT 118	Fundamentals of Flight	3	Technical Studies
AVT 128	Electricity & Electronics I	4	Technical Studies
AVT 138	Electricity and Electronics II	4	Technical Studies
MTH	Math Elective*	3	General Studies

Spring

Course #	Course Title	Credits	Function
AVT 146	Avionics	3	Technical Studies
AVT 156	Wiring & Cannon Plug Lab	2	Technical Studies
AVT 166	Advanced Wiring	3	Technical Studies
AVT 175	Troubleshooting Essentials	3	Technical Studies
ENG 101	Composition I*	3	General Studies

Summer

Course #	Course Title	Credits	Function
AVT 185	UAS Operations	3	Technical Studies
AVT 195	Soldering	2	Technical Studies
	Humanities Elective*	3	General Studies

Fall

Course #	Course Title	Credits	Function
AVT 210	Communication, Navigation & Surveillance Systems I	5	Technical Studies
AVT 220	Communication, Navigation & Surveillance Systems II	4	Technical Studies
	Communication Elective*	3	General Studies

Spring

Course #	Course Title	Credits	Function
AVT 230	Avionics Systems & Troubleshooting	5	Technical Studies
AVT 240	Aircraft and Electronics for NCATT Applications	4	Technical Studies
	Social Science Elective*	3	General Studies

* [Kansas Systemwide General Education](#)

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Spring

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