

# AVIATION - COMMERCIAL AVIATION (BACHELOR OF SCIENCE)

All students pursuing a major in Aviation are admitted to the university in either the Aviation Management or Public Safety Aviation concentration.

Students wishing to pursue Commercial Aviation must submit a secondary application and meet eligibility criteria outlined on the program website (<https://www.jsu.edu/aviation/academic-programs/commercial-aviation.html>). Students will be moved to the Commercial Aviation concentration once they have been assessed and found eligible.

The Bachelor of Science degree in Aviation with a concentration in Commercial Aviation requires a total of 120 semester credit hours and meeting all university and program general education requirements. The major requires the 36-hour Aviation core and 24 hours in the concentration. A minor is not required for this program.

Course	Title	Credits
<b>Jax MIX General Education Curriculum</b>		
<b>Jax MIX Communication</b>		
EH Composition sequence		3
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EH 141	Speech	3
MS 112	Precalculus Algebra (or higher, excluding MS 114 and MS 204)	3
<b>Jax MIX Expression</b>		
Literature		3
Fine Arts		3
One additional literature, humanities, or fine arts <sup>1</sup>		3
<b>Jax MIX Inquiry</b>		
GY 250	Physical Geography I: Atmospheric Patterns and Processes	3
GY 252	Physical Geography Lab I	1
Natural Science with lab		4
<b>Jax MIX Experience</b>		
History		3
EC 221	Principles of Microeconomics	3
or EC 222	Principles of Macroeconomics	
Two additional history, social science, or behavioral science <sup>1</sup>		6
<b>Pre-Professional Courses</b>		
AVN 105	Private Pilot Ground	1
AVN 151	Private Pilot Flight Lab I	1
AVN 152	Private Pilot Flight Lab II	1
General Electives		16
<b>Major Core</b>		
AVN 101	Aviation Foundations	3
AVN 110	Aviation Human Factors	3
AVN 205	Airspace Management	3
AVN 311	Aircraft Systems and Management	3
AVN 320	Airline Operations and Management	3
AVN 330	Aviation Law	3
AVN 401	Commercial Aviation Safety	3

AVN 420	Airport Planning and Management	3
AVN 460	Air Cargo Operations	3
AVN Elective		3
GY 207	Drone Piloting: Flight and FAA Part 107 Preparation	3
GY 333	Meteorology	3
<b>Commercial Aviation Concentration Courses</b>		
AVN 201	Instrument Pilot Ground	1
AVN 251	Instrument Pilot Flight Lab	1
AVN 301	Commercial Pilot Ground	2
AVN 340	Aerodynamics of Flight	3
AVN 351	Commercial Pilot Flight Lab I	1
AVN 352	Commercial Pilot Flight Lab II	1
AVN 353	Commercial Pilot Flight Lab III	1
AVN 400	Certified Flight Instructor Ground	3
AVN 402	Multi Engine Ground	2
AVN 440	Propulsion Systems	3
AVN 450	Certified Flight Instructor Flight Lab	1
AVN 451	Certified Flight Instructor Instrument Flight Lab	1
AVN 453	Multi Engine Pilot Flight Lab	1
AVN 470	Crew Resource Management	3
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> Students must complete a literature sequence and at least one history or a history sequence and at least one literature.

Aviation majors must earn a minimum of "C" or better in each of the core and concentration courses.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about Jax MIX requirements (<https://catalog.jsu.edu/undergraduate/jax-mix-requirements/>) and Alabama Transfers equivalents (<https://catalog.jsu.edu/undergraduate/alabama-transfers-equivalents/>) can be found in their respective section of the catalog.*

Freshman		Hours
<b>Fall</b>		
Jax MIX Communication: EH Composition Sequence		3
GY 250 & GY 252	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography Lab I (Jax MIX Inquiry)	4
AVN 101	Aviation Foundations	3
AVN 105	Private Pilot Ground	1
AVN 151	Private Pilot Flight Lab I	1
SSC 101	First Year Experience	0
General Electives		1
<b>Hours</b>		<b>13</b>
<b>Spring</b>		
Jax MIX Communication: EH Composition Sequence		3
MS 112	Precalculus Algebra (or higher, excluding MS 114 and MS 204 - Jax MIX Communication)	3
Jax MIX Inquiry: Science		4
AVN 110	Aviation Human Factors	3
AVN 152	Private Pilot Flight Lab II	1
<b>Hours</b>		<b>14</b>
<b>Summer</b>		
AVN 201	Instrument Pilot Ground	1

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AVN 251	Instrument Pilot Flight Lab	1
<b>Hours</b>		<b>2</b>
<b>Sophomore</b>		
<b>Fall</b>		
EH 141	Speech (Jax MIX Communication)	3
Jax MIX Experience: History		
EC 221 or EC 222	Principles of Microeconomics (Jax MIX Experience) or Principles of Macroeconomics	3
AVN 301	Commercial Pilot Ground	2
AVN 351	Commercial Pilot Flight Lab I	1
GY 207	Drone Piloting: Flight and FAA Part 107 Preparation <sup>1</sup>	3
<b>Hours</b>		<b>12</b>
<b>Spring</b>		
Jax MIX Expression: EH Literature		3
AVN 205	Airspace Management	3
AVN 352	Commercial Pilot Flight Lab II	1
GY 333	Meteorology	3
General Electives		5
<b>Hours</b>		<b>15</b>
<b>Summer</b>		
AVN 353	Commercial Pilot Flight Lab III	1
<b>Hours</b>		<b>1</b>
<b>Junior</b>		
<b>Fall</b>		
Jax MIX Expression <sup>2</sup>		3
Jax MIX Experience <sup>2</sup>		3
AVN 320	Airline Operations and Management	3
AVN 400	Certified Flight Instructor Ground	3
AVN 450	Certified Flight Instructor Flight Lab	1
AVN Elective		3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
Jax MIX Experience <sup>2</sup>		3
AVN 311	Aircraft Systems and Management	3
AVN 330	Aviation Law	3
AVN 340	Aerodynamics of Flight	3
AVN 402	Multi Engine Ground	2
AVN 453	Multi Engine Pilot Flight Lab	1
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
AVN 401	Commercial Aviation Safety	3
AVN 420	Airport Planning and Management	3
AVN 440	Propulsion Systems	3
AVN 451	Certified Flight Instructor Instrument Flight Lab	1
General Electives		5
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Jax MIX Expression: Fine Art		3
AVN 460	Air Cargo Operations	3
AVN 470	Crew Resource Management	3
General Electives		5
<b>Hours</b>		<b>14</b>
<b>Total Hours</b>		<b>117</b>

<sup>1</sup> Prepares students to sit for the FAA Part 107 exam.

<sup>2</sup> Students must complete a literature sequence and at least one history or a history sequence and at least one literature. Jax MIX Expression requires a total of nine (9) hours, while Jax MIX Experience requires a total of twelve (12) hours.