



Degree: B.S. Major: Aviation Management & Flight Operations – Commercial Pilot Track Catalog Year: 2024-2025

This guide is for planning purposes in consultation with your advisor. For official program requirements, please refer to the academic catalog and your degree audit. To complete the program in 4 years, students will need to enroll in an average of 15 credits (5 classes) per semester.

Degree requirements are made up of core requirements (C), major requirements (M), and elective courses (E).

First Year					
Semester 1					
Prefix/Number	Course Title	Prerequisites/Comments	Crs	Area	Sem
AVO 110	Private Pilot Lab A or Instrument Rating Lab A	Class III FAA Medical or higher; Co-req: AVS 101 & 102 or equivalent.	2	M	
AVS 101	Aviation Science for Private Pilot	C minimum	3	M	
AVS 103	Intro to Aviation Automation		3	M	
MATH 112	Modern Applications of Math	MATH 104. NOTE: If pursuing Military-Navy track, MATH 140 (Pre-req: MATH 110) is required. C minimum	3	M / C	
JU-111	First-Year Seminar		3	C	
Core					

First Year					
Semester 2					
Prefix/Number	Course Title	Prerequisites/Comments	Crs	Area	Sem
AVO 112	Private Pilot Lab B	AVO 110; Co-req: AVS 102 & 103	2	M	
DSIM 201	Business Statistics	C minimum	3	M	
ECON 201	Principle of Macroeconomics	C minimum	3	M / C	
AVS 102	Aviation Weather		3	M	
Core			3	C	

Second Year					
Semester 3					
Prefix/Number	Course Title	Prerequisites/Comments	Crs	Area	Sem
AVO 213	Instrument Rating Lab A	AVO 110; Co-req: AVS 102 & 103	2	M	
AVS 202	Aviation Science Instrument Pilot	AVS 101 or FAA PPC. C minimum. FAA Private Written Exam must be completed to stay in the course.	3	M	
PHYS 125	Aviation Physics	MATH 110 or 112	4	M / C	
Core			3	C	
Core					



Second Year					
Semester 4					
Prefix/Number	Course Title	Prerequisites/Comments	Crs	Area	Sem
AVO 215	Instrument Rating Lab B	AVO 213	2	M	
ECON 202	Principles of Microeconomics	ECON 201. C minimum	3	M	
ACCT 201	Principles of Accounting I	C minimum	3	M	
MKG 301	Principles of Marketing	Change with MGT310	3	M	
Core			3	C	
Core			3	C	

Third Year					
Semester 5					
Prefix/Number	Course Title	Prerequisites/Comments	Crs	Area	Sem
AVO 313	Commercial Pilot Lab A	AVO 215 or Private Pilot License w/instrument rating; and Co-req: AVS 303.	1	M	
AVO 317	Commercial Pilot Lab B	AVO 313 or Private Pilot License w/instrument rating; and Co-req: AVS 303.	1	M	
AVS 303	Aviation Science for Commercial Multi-Engine Pilots	AVS 202 or Private Pilot License w/instrument privileges. C minimum. FAA Instrument Written Exam must be completed to stay in the course.	3	M	
AVM 403	Aviation Transportation Environment	Junior Status. Fall only. Do we still need Junior status?	3	M	F
ACCT 202	Principles of Accounting II	ACCT 201 & MATH 112 or 140. C minimum.	3	M	
Core			3	C	

Third Year					
Semester 6					
Prefix/Number	Course Title	Prerequisites/Comments	Crs	Area	Sem
AVO 316	COMM Single-Engine Pilot Lab	AVO 313.	1	M	
AVO 410	Flight Instructor Airplane Lab	AVO 316 or Commercial Pilot Certificate w/instrument and multi-engine & single engine privileges; and Co-req: AVS 401.	2	M	
AVM 302	Aviation Economics	ECON 201.	3	M	
AVS 401	Elements of Flight Instruction	AVS 303 or FAA Commercial Pilot Certificate w/instrument privileges. C minimum. FAA Commercial Written Exam must be completed to stay in the course.	3	M	
AVS 404	Advanced Aircraft Systems II	AVS 103 AND AVO 215.	3	M	
MGT 308WS	Business Communication	ENGL 103 and Sophomore status. C minimum.	3	M	



Fourth Year					
Semester 7					
Prefix/Number	Course Title	Prerequisites/Comments	Crs	Area	Sem
AVO 411	Flight instructor Instrument Lab	AVS 410; Co-req AVS411	2	M	
AVS 415	Air Transport Ops for Professional Pilot	Junior status, AVS 103; and AVO 215.	3	M	
AVS 411	Elements Flight Instruction-Instrument	AVS 401. C minimum. Must take prior too AVO 411 or Co-Req with AVS411	2	M	
AVM 311	Airline Management	Sophomore status	3	M	
AVM 407RI	Crew Resource Management	AVO-317 and AVS-404 - Must be completed prior to taking this course. C minimum.	3	M	
Core			3	C	

Fourth Year					
Semester 8					
Prefix/Number	Course Title	Prerequisites/Comments	Crs	Area	Sem
AVO 432	Jet Transition Training Lab	Senior status, AVS 432 & AVM 407RI.	2	M	
AVS 432	Advanced Aircraft Systems III	Senior status, AVS 404 & AVO 313 or FAA Commercial Pilot Certificate w/instrument privileges.	3	M	
AVM 406	Aviation Law	Junior status.	3	M	
DSIM 305	Quantitative Business Methods	DSIM 201.	3	M	
AVM XXX	Aviation Elective		2	M	
Core			3	C	

Co-Curricular Requirement – Career Enhancement Opportunities (CEO Program)

In addition to completing the required coursework associated with the Aviation degree offered within the Davis College of Business and Technology, students must participate in twelve Career Enhancement Opportunities (CEOs). Six of the CEOs must fall into the following categories:

- Career exploration,
- Resume,
- Technology,
- Internship/mentorship or other practicum experience,
- Mock interview,
- Job search

The remaining six categories can fall under any of the above categories, or other designated CEO qualifying events. The CEO Program is required for graduation for all Davis College of Business and Technology undergraduate majors.



Credit Distribution		
Area	Notes	Credits
Major (M)	Required major courses	94
Core (C)	Choose from list below. May be satisfied by courses also required for major	27
Electives (E)	Can be satisfied with concentration, minor, second major courses	0
Total		121

Core Courses (37 credits)		
Area	Course(s)	Planned
Economics	ECON 201 (satisfied by major)	X
English	ENGL 103 (depending on placement, student may need ENGL 101 first). 'C-' or better required. NOTE: All students enrolled in ENGL 103 must pass an Exit Exam at the end of the term. Students not passing this exit exam are required to enroll in ENGL 214WI prior to reaching 60 hours. It is not necessary to pass this exam in order to pass ENGL 103. ENGL 214WI counts as an elective course.	
English (Lit)	ENGL 189, 202, 203, 204, or 206	
Fine Arts	Three hours in ART, ARH, DANC, MUS, or THEA	
Global Studies	One 102-level (or above) foreign language course or equivalent, or any International Studies (IS) course at the 300-level	
History	One three-credit HIST course at the 100- or 200-level	
Humanities	Any HUM-xxx course (Pre-reqs: ENGL 103 and English/Literature core requirements)	
Lab Science	PHYS 125 (satisfied by major)	X
Mathematics	MATH 112 (satisfied by major)	X
Philosophy	PHIL 101, 189, or 212	
Social Science	GEOG 189 or 200; POL 189, 205 or 208; PSYC 189 or 201; SOC 189 or 203	
Technology	CS 150 or DSIM 203RI	

General Requirements for All Bachelor Degrees •A minimum of 120 credit hours earned with a minimum of 30 credit hours completed at JU. •A minimum of a "C" (2.0) average for all work taken at JU. •A student must satisfy all requirements of the University Core Curriculum in addition to all major and degree requirements. •A student is responsible for meeting the specific graduation requirements of the selected major and degree. A student who pursues more than one major must meet all degree requirements for each major. •A student must have at least a "C" (2.0) average in the major. •At least 12 credit hours in the major in courses numbered 300 or above must be completed at JU. •A minimum of forty-two credit hours must be in courses numbered 300 or above. •At least one each of an upper level Writing-Intensive and Speech-Intensive course (designated with a "WI" or "SI" in the course number; may be satisfied by courses already required for major). •At least 3 credit hours in Experiential Learning (defined as Undergraduate Research, Research Intensive with "RI" designation, Internship, Study Abroad, or Service Learning; may be satisfied by courses already required for major). NOTE: This four-year plan is meant to be a guide. For full degree requirements, please consult the academic catalog.



AVO.BS Notes:

- If a student already holds a valid private pilot’s license, they should take the following courses in their first semester; following semesters will be adjusted accordingly in consultation with an advisor:

Semester 1					
AVS 102	Aviation Weather		3	M	
AVS 103	Intro to Aviation Automations		3	M	
AVS 202	Aviation Science Instruments Pilots		3	M	
AVO 213	Instrument Rating Lab A		2	M	
MATH 112	Modern Applications of Math	MATH 104. NOTE: If pursuing Military-Navy track, MATH 140 (Pre-req: MATH 110) is required. C minimum	3	M / C	

- Academic credits for previous FAA pilot certificates and ratings, if approved, will be awarded only upon completion of a minimum of two AVO flight courses totaling three or more credit hours taken in residence. In addition, Aviation Management & Flight Operations majors must complete a minimum of two (2) AVO flight courses in residence to graduate.



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