

Advising Road Map

Major Academic Planner/ 4-Year Roadmap

Major: B.S. Aviation

Option: Maintenance Management

Total Units to Degree: 120 †

Students transfer after AS-level FAA-approved program from an accredited institution for a "2+2" years program

Prior to attending SJSU: Community College Maintenance Program.

The following roadmap is an advising tool that outlines a path to complete requirements for graduation and should be used in consultation with the catalog and the department advisor.

Course Transfer from Previous AS-level degree obtained in 2 years

Total GE units transferred: 39

Total A&P Units Transferred to Major: 30

Fall Semester - Year 3

Course	Units
Bus 020 or 020N, Financial Accounting	3
Bus 090, Business Statistics	3
Avia 078, Introduction to Aviation Manager	3
Electives or Major Prep*	6
Semester Total:	15

Spring Semester - Year 3

Course	Units
Avia 128, Aviation Safety and Security	3
Avia 173, Aviation Law	3
Avia 176, Airline Operations and Management	3
ISE 155, Supply Chain Engineering	3

PASS WST, File Graduation Semester Total:	12

Fall Semester - Year 4

Course	Units
Bus 141, Procurement and Supply Mngmnt	3
Tech 145, Lean Manufacturing	3
Engr 100W **, Engineering Reports	3
Avia 141, Human Factors in Avia. Envrmt.	3
Semester Total:	12

Spring Semester - Year 4

Course	Units
Avia 190, Senior Capstone Seminar	3
Bus 186**, Professional and Business Ethics	3
Avia 198 **, Aviation and Human Civilization	3
Approved Elective	3
Semester Total:	12

NOTES

† 30 Units are transferred as a block to account for A&P coursework. Students must have 60+ units in order to take SJSU studies courses. Students are eligible to transfer addition 39 units of General Education Units. See Aviation advisor to plan for what GE courses to take prior to transfer in to SJSU

* NOTE: This plan has to be tailored to the specific admitted student. Not all students will be able to transfer in the required 39 units of GE courses. Some of those constitute the preparation for the major. Students can complete their GE required as preparation for the major at SJSU, provided they can transfer in a minimum of 60 units to enroll in SJSU studies.

**course meets a SJSU Studies (UDGE) requirement

*** **Minor in Business:** Students can elect BUS 140 and BUS 142 to obtain a business minor (exceeds 120 units - see advisor)

Course List and Pre-requisites

The Bachelor of Science in Aviation Program with option in Maintenance Management is designed to prepare graduates with in-depth knowledge and hands-on experience for careers such as Aircraft Maintenance Professional, Aircraft Engine Specialist, and Airline Maintenance.

Course	Pre-requisites and Co-requisites
Avia 2, Introduction to Aviation	none
Avia 3, Introduction to Private Pilot Part 141 Flight	Avia 2
Avia 31, Aircraft Theory and Design	Phys 2A, Math 71, Avia 2, Co-req: Phys 2B
Avia 42, Aircraft Systems	Phys 2A, Avia 2, Co-req: Phys 2B
Avia 43, Propulsion Theory	Phys 2A, Avia 2, Co-req: Phys 2B
Avia 62, Instrument Flight Techniques	Avia 2
Avia 63, Instrument Rating Part 141 Flight	Avia 03, Avia 73
Avia 68, Avionics & Airborne Communications	Co-req: Avia 42
Avia 73, Air Traffic Control	Avia 2
Avia 78, Intro to Avia Mgnt	none
Avia 91, Aircraft Turbine Engines	Avia 43
Avia 110, Aviation Meteorology	none
Avia 112, Professional Commercial Pilot	Avia 31, Avia 42, Avia 62, Avia 91
Avia 113, Commercial Prof. Pilot Part 141 Flight	FAA Private Pilot Certificate, Co-req: Avia 112
Avia 128, Aviation Safety & Security	Avia 2
Avia 141, Human Factors in the Aviation Environment	none
Avia 173, Aviation Law	Avia 78
Avia 176, Airline Operations & Management	Avia 78
Avia 177, General Aviation Operations & Mgnt.	Avia 78, Avia 2
Avia 178, Airport Planning & Management	Avia 78
Avia 179, Advanced Airport Planning & Management	Avia 178
Avia 190, Senior Capstone Seminar	Graduating Senior, Graduation Application Completed
Avia 193, Aerodynamics	Phys 2A, Math 71, Avia 31
Avia 194, Pilot Avionics and General Aviation	Avia 42, Avia 43
Avia 195, Internship with Avia Industry	Junior Standing and Instructor consent
Bus 90, Business Statistics	
Bus 140, Fund of Operations Management	Upper Division Standing
Bus 141, Procurement and Supply Management	Upper Division Standing
Bus 142, Total Quality Management	Upper Division Standing or instructor consent
Bus 144, Supply Chain Management	Upper Division Standing or instructor consent
Bus 145, Global Operations Management	Upper Division Standing or instructor consent
Bus 186, Professional and Business Ethics (GE: S)	Pass WST or ENGL/LLD 100A, UD Standing
Chem 1A, General Chemistry	High school chemistry or Chem 10 or inst consent
Econ 1B, Principles of Economics: Micro	none
Engr 100W, Engineering Reports	Pass WST, Upper Division
Math 71, Calculus for Business and Aviation	Math 8 or Math 19
Phys 2A, Fundamentals of Physics	Algebra
Phys 2B, Fundamentals of Physics	Phys 2A
Tech 145, Lean Manufacturing	Bus 140 or 145 or ISE 140
Tech 198, Technology and Civilization (GE: V)	Pass WST, Upper Division Standing