

Bachelor of Science in Aviation Technology

Sample Plan

The academic plan below is one pathway through the degree/certificate. It includes all requirements, taking into account recommendations from program faculty. Each student's plan may vary according to their initial course placement (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/academicstandardsregulations/courseplacement/>), intended course load, additional majors and/or minors, and their placement into required prerequisite courses. Any change in the plan below can have an unforeseen impact on the rest of the plan. **Therefore, it is very important to meet with your academic advisor to verify your personal academic plan.**

Please review the following terms, definitions, and resources associated with the sample academic plan below.

- Each course in the far left column links to a pop-up bubble with a course description, prerequisite requirements, and associations with university requirements. For example, if a course fulfills a general education requirement, you will see that in the pop-up bubble.
- GER:** indicates a General Education Requirement (<https://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/gers/>). GERs that also count toward degree/certificate requirements appear as a specific course in the plan. For these courses, "GER" is not indicated explicitly in the table, but if you click on the course, you will see the course's GER status in the pop-up bubble.
- Program Elective:** indicates a specific course selection determined by program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- Elective:** indicates an open selection of 100-400 level university courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate.
- Upper Division Program Elective:** indicates a specific 300-400 level course selection determined by the program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- Upper Division Elective:** indicates an open selection of 300-400 level courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate. These courses must be upper division in order to meet General University Requirements for the particular degree/certificate type.

Sample Plan - Aeronautical Studies Emphasis

First Year

Fall		Credits
ATA A102	Introduction to Aviation Technology	3
ATA A134	Principles of Aviation Administration	3
ATP A100	Private Pilot Ground School	3

MATH A152	Trigonometry	3
WRTG A111	Writing Across Contexts	3
Credits		15

Spring

ATA A133	Aviation Law and Regulations	3
ATA A233	Aviation Safety	3
ATC A143	ATC Regulations	3
or ATC A147	or Air Traffic Communications	
ATP A235	Elements of Weather	3
WRTG A212	Writing and the Professions	3
Credits		15

Second Year

Fall

ATA A331	Human Factors in Aviation	3
PHIL A301	Ethics	3
or PHIL A305	or Professional Ethics	
PHYS A123	College Physics I	4
& A123L	and College Physics I Laboratory	
GER Oral Communication Skills		3
Program Elective		3
Credits		16

Spring

ATP A433	Aerospace Physiology	3
ECON A102	Principles of Macroeconomics	3
ENGL A312	Technical Writing and Design	3
GER Fine Arts		3
Program Elective		3
Credits		15

Third Year

Fall

AMT A171	Basic Aerodynamics	2
ATA A337	Airline Operations	3
GER Humanities		3
GER Natural Sciences		3
Upper Division Program Elective		3
Credits		14

Spring

BA A166	Entrepreneurship and Small Business Management	3
GER Social Sciences		3
Program Elective		3
Program Elective		3
Upper Division Program Elective		3
Credits		15

Fourth Year

Fall

ATA A425	Civil Aviation Security	3
ATA A431	Aircraft Accident Investigation	3
Program Elective		3

Upper Division Program Elective	3
Upper Division Program Elective	3
Credits	15
Spring	
ATA A492 Air Transportation System Seminar	3
GER Alaska Native-Themed	3
Program Elective	3
Upper Division Program Elective	3
Upper Division Program Elective	3
Credits	15
Total Credits	120

Sample Plan - Aviation Management Emphasis

First Year

Fall	Credits
ATA A102 Introduction to Aviation Technology	3
ATA A134 Principles of Aviation Administration	3
ATP A100 Private Pilot Ground School	3
STAT A200 Elementary Statistics	3
WRTG A111 Writing Across Contexts	3
Credits	15
Spring	
ATA A133 Aviation Law and Regulations	3
ATA A233 Aviation Safety	3
ATC A143 ATC Regulations	3
or ATC A147 or Air Traffic Communications	
ATP A235 Elements of Weather	3
WRTG A212 Writing and the Professions	3
Credits	15

Second Year

Fall	Credits
ATA A331 Human Factors in Aviation	3
BA A300 Organizational Theory and Behavior	3
PHIL A301 Ethics	3
or PHIL A305 or Professional Ethics	
PHYS A123 College Physics I	4
& A123L and College Physics I Laboratory	
GER Oral Communication Skills	3
Credits	16
Spring	
ACCT A201 Principles of Financial Accounting	3
BA A361 Human Resource Management	3
ECON A102 Principles of Macroeconomics	3
GER Fine Arts	3
GER Humanities	3
Credits	15

Third Year

Fall

ACCT A202 Principles of Managerial Accounting	3
AMT A171 Basic Aerodynamics	2
ATA A336 Air Service Operations	3
or ATC A440 or Facility Operation and Administration	
ATA A337 Airline Operations	3
GER Natural Sciences	3
Credits	14

Spring

ATA A335 Airport Operations	3
BA A241 Business Law I	3
BA A388 Globalization and Business Environment	3
BA A461 Negotiation and Conflict Management	3
ECON A101 Principles of Microeconomics	3
Credits	15

Fourth Year

Fall

ATA A425 Civil Aviation Security	3
GER Alaska Native-Themed	3
Upper Division Program Elective	3
Upper Division Program Elective	3
Upper Division Program Elective	3
Credits	15

Spring

ATA A492 Air Transportation System Seminar	3
Program Elective	3
Program Elective	3
Program Elective	3
Upper Division Program Elective	3
Credits	15
Total Credits	120

Sample Plan - Professional Piloting Emphasis

First Year

Fall	Credits
ATA A102 Introduction to Aviation Technology	3
ATA A134 Principles of Aviation Administration	3
ATP A100 Private Pilot Ground School	3
MATH A152 Trigonometry	3
WRTG A111 Writing Across Contexts	3
Credits	15
Spring	
ATA A133 Aviation Law and Regulations	3
ATA A233 Aviation Safety	3
ATP A101 Pre-Professional Flying	2

PHIL A101 or PHIL A201 or PHIL A301 or PHIL A305	Introduction to Logic or Introduction to Philosophy or Ethics or Professional Ethics	3
WRTG A212	Writing and the Professions	3
GER Oral Communication Skills		3
Credits		17

Second Year**Fall**

ATP A116	Instrument Ground School	3
ATP A126	Instrument Flying	2
ATP A235	Elements of Weather	3
PHYS A123 & A123L	College Physics I and College Physics I Laboratory	4
GER Humanities		3
Credits		15

Spring

AMT A171	Basic Aerodynamics	2
ATC A325	Tools for Weather Briefing	3
ATP A200	Commercial Ground School	3
ATP A218	Commercial Flying I	1.5
GER Natural Sciences		3
GER Fine Arts		3
Credits		15.5

Summer

ATP A219	Commercial Flying II ¹	1.5
ATP A220	Commercial Flying III ¹	2
Credits		3.5

Third Year**Fall**

ATA A331	Human Factors in Aviation	3
ATA A337	Airline Operations	3
ATC A143 or ATC A147	ATC Regulations or Air Traffic Communications	3
ATP A300	CFI Ground School	3
ATP A301	CFI Flying	2
Credits		14

Spring

ATP A305	Airplane Multiengine Land Rating	2
ATP A320	Flight Dynamics	3
ATP A332	Transport Aircraft Systems	3
ECON A102	Principles of Macroeconomics	3
GER Social Sciences		3
Credits		14

Fourth Year**Fall**

ATA A425	Civil Aviation Security	3
ATC A251	Flight Dispatcher Overview	3
GER Alaska Native-Themed		3
Program Elective ²		3
Credits		12

Spring

ATA A415	Crew Resource Management	3
ATA A492	Air Transportation System Seminar	3
ATC A351	Flight Dispatcher Operations	3
Program Elective ²		3
Program Elective ²		2-3
Credits		14-15
Total Credits		120-121

¹ ATP A219 and ATP A220 are open-entry/open-exit and may be completed in the same semester. Students must complete ATP A219 to enroll in ATP A220.

² Upper Division if needed.