

**CWU Student Learning Outcome Assessment Plans  
Department of Aviation**

Note: these plans were revised AY 2010-2011 to reflect the new degree changes approved beginning AY 2011-2012  
Curriculum and courses are indicated using the new program abbreviations and notations

**Students enrolled in the Aviation Management (AM) and Aviation Maintenance Management (AMM) specializations**

<b>Student Learning Outcomes</b>	<b>Related Program/ Departmental Goals</b>	<b>Related College Goals</b>	<b>Related University Goals</b>	<b>Method(s) of Assessment</b>	<b>Who Assessed</b>	<b>When Assessed</b>	<b>Standard of Mastery/ Criterion of Achievement</b>
1. Demonstrate a working knowledge of the major components of the domestic and international aviation industry to include general aviation, airline operations, aviation support facilities, airspace system management, airports and aircraft manufacturers as applicable to their degree specialization.	1. Students will demonstrate the knowledge, skills, and attitudes necessary to be successful in their chosen aviation field	1. Provide for an outstanding academic, professional growth experience for students at all CWU locations. 2. Prepare students to participate in an increasingly diverse economy and environment	1. Maintain and strengthen an outstanding academic and student life on the Ellensburg Campus. 2. Provide for an outstanding academic and student life at the university centers. 5. Achieve regional and national prominence for the university	End of Course Assessment Group Presentations Program entry and exit surveys to assess self-perceived skills in specified area of specialization  FAA certification (AMM)	Students enrolled in: AVM 333, AVM 334, AVM 335, and AVM 348 (AM)  All AM and AMM students  Students pursuing FAA Airframe and Powerplant certification (AMM)	Fall, Winter, and Spring terms  First and last terms of enrollment  Upon acceptance to degree	A minimum of 90% of students shall pass final exams with a score of 80% or higher. All group presentation scores (including peer evaluations) will exceed 80%  All AMM students will complete FAA certification, in accordance with applicable Practical Test Standards required for airframe and powerplant
2. Demonstrate knowledge of essential business management concepts of accounting, economics, finance, management, human resource management and business law.	1. Students will demonstrate the knowledge, skills, and attitudes necessary to be successful in their chosen aviation field	1. Provide for an outstanding academic, professional growth experience for students at all CWU locations.	1. Maintain and strengthen an outstanding academic and student life on the Ellensburg Campus. 2. Provide for an outstanding	End of Course Assessment	Students enrolled in: ACCT 301 (AM) AVM 335 (AM) AVM 330 (AM, AMM) MGMT 380 (AM, AMM)	Fall, Winter, and Spring terms	A minimum of 80% of students shall achieve a grade of B or higher in specified courses

		2. Prepare students to participate in an increasingly diverse economy and environment	academic and student life at the university centers. 5. Achieve regional and national prominence for the university				
3. Apply general management concepts to specific aviation-related environments such as Fixed Base Operators (FBOs), airports, airlines and the aerospace industry.	1. Students will demonstrate the knowledge, skills, and attitudes necessary to be successful in their chosen aviation field	1. Provide for an outstanding academic, professional growth experience for students at all CWU locations. 2. Prepare students to participate in an increasingly diverse economy and environment	1. Maintain and strengthen an outstanding academic and student life on the Ellensburg Campus. 2. Provide for an outstanding academic and student life at the university centers. 5. Achieve regional and national prominence for the university	End of Course Assessment	Students enrolled in: HRM 381 (AM)  AVM 335 (AM)	Fall, Winter, Spring, and Summer terms	A minimum of 80% of students shall achieve a grade of B or higher in specified courses
4. Describe the fundamental principles of an aviation safety management program and identify the major operational hazards applicable to general aviation and airline operations.	1. Students will demonstrate the knowledge, skills, and attitudes necessary to be successful in their chosen aviation field	1. Provide for an outstanding academic, professional growth experience for students at all CWU locations.  2. Prepare students to participate in an increasingly diverse economy and environment	1. Maintain and strengthen an outstanding academic and student life on the Ellensburg Campus. 2. Provide for an outstanding academic and student life at the university centers. 5. Achieve regional and national prominence for the university	End of Course Assessment  Presentations, Oral and Written Final Exams	Students enrolled in: AVM 417, AVM 418 (AM, AMM)	Fall, Winter, and Spring terms	A minimum of 80% of students shall achieve a grade of B or higher in specified courses  All group presentation scores (including peer evaluations) will exceed 80%

<p>5. Exhibit the verbal and written communication skills needed to interact with aviation professionals, business, and management.</p>	<p>1. Students will demonstrate the knowledge, skills, and attitudes necessary to be successful in their chosen aviation field</p>	<p>1. Provide for an outstanding academic, professional growth experience for students at all CWU locations. 2. Prepare students to participate in an increasingly diverse economy and environment</p>	<p>1. Maintain and strengthen an outstanding academic and student life on the Ellensburg Campus. 2. Provide for an outstanding academic and student life at the university centers. 5. Achieve regional and national prominence for the university</p>	<p>End of Course assessment</p>	<p>Students enrolled in: AVM 418 (AM, AMM) ADMG 385 (AM) IT 288 (AM)</p>	<p>Fall, Winter, Spring and Summer terms</p>	<p>A minimum of 80% of students shall achieve a grade of B or higher in specified courses</p>
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\*End of course assessments (EOC) may include a combination of oral, written, and practical examinations depending on the specific course.

## Learner outcomes and assessment strategies for Flight Officer and Commercial Pilot Specializations

Include changes made beginning AY 2011-2012 for the new Professional Pilot Degree  
Text in **RED** indicate specific changes related to AABI accreditation standards

Student Learning Outcomes	Related Program/ Departmental Goals	Related College Goals	Related University Goals	Method(s) of Assessment	Who Assessed	When Assessed	Standard of Mastery/ Criterion of Achievement
1. Apply the foundational knowledge and skills necessary to fly commercial transport aircraft in a safe and efficient manner.	1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation .	Private, Instrument, and Commercial End-of-Course assessments (EOC)*  Certified Flight Instructor and Multi-Engine End-of-Course assessments  Certified Flight Instructor, Instrument End-of-Course assessments  Program entry and exit surveys to assess self-perceived skills related to Crew Resource Management (CRM)***	Students enrolled in: AVP103 & AVP142 (FO, CP) AVP203 & AVP242 (FO, CP) AVP306 & AVP354 (FO, CP) AVP301, AVP352, AVP358, & AVP401 (FO) AVP458 & AVP475 (FO) AVP 130 (FO, CP) Sr. Exit survey (FO,CP)	Fall, Winter, Spring and Summer terms	Minimum 80% of freshmen and 90% of upper classmen enrolled in EOC courses pass associated EOC ground and flight checks and FAA written exams on the first attempt with a minimum score of 80%.  Minimum 90% of students enrolled EOC flight labs pass flight checks on first attempt
2. Interpret, calculate, and analyze meteorological, aerodynamic, performance, and loading factors to	1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual	Private, Instrument, and Commercial End-of-Course assessments	Students enrolled in: AVP 211,AVP312, &AVP354 (FO, CP)	Fall, Winter, Spring and Summer terms	Minimum 80% of freshmen and 90% of upper classmen enrolled in EOC courses pass associated EOC flight check and FAA written

Student Learning Outcomes	Related Program/ Departmental Goals	Related College Goals	Related University Goals	Method(s) of Assessment	Who Assessed	When Assessed	Standard of Mastery/ Criterion of Achievement
conduct safe and efficient commercial flights.	leadership positions in the aviation industry		inquiry and encourage civility, mutual respect, and cooperation				exams on the first attempt with a minimum score of 80%. Minimum 90% of students enrolled EOC flight labs pass flight checks on first attempt
3. <b>Demonstrate knowledge and skills to effectively operate advanced aircraft systems, including jet aircraft systems, and advanced avionics technologies** in a multi-crew environment, including multi crew concepts and operations, Crew Resource Management (CRM***) and Threat and Error Management (TEM)</b>	1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	2 –Prepare students to participate in an increasingly diverse economy and global work environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation .	Commercial End-of-Course assessments  Final Exam  Line Oriented Flight Training (LOFT) 1 and 2	Students enrolled in: AVP354 (FO, CP)  AVP 322 (FO, CP) AVP323 (FO) AVP422 (FO) <b>AVP423 (FO)</b> <b>AVP445 (FO)</b>  <b>AVP469 (FO)</b>  AVP489 capstone class (FO)	Fall, Winter, Spring and Summer terms	Minimum 90% of students enrolled in EOC course pass associated EOC flight check and FAA written exams on the first attempt with a minimum score of 80%.  Minimum 90% of students will pass final exam with minimum score of 80% All students shall demonstrate proficiency, in accordance with FAA instrument and multi-engine Practical Test Standards, in Crew Resource Management, normal and emergency procedures,

Student Learning Outcomes	Related Program/ Departmental Goals	Related College Goals	Related University Goals	Method(s) of Assessment	Who Assessed	When Assessed	Standard of Mastery/ Criterion of Achievement
							instrument flight procedures, and use of advanced avionics
4. Describe the physiological and psychological limitations to flight crew performance, including <b>high altitude operations</b> , and effectively cope with these limitations in the flight environment	1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation	Final Exam  Presentations, Oral and Written Final Exams  Commercial end-of-course assessment	Students enrolled in: AVP337 (FO, CP) AVP340 (FO, CP) <b>AVM418 (FO, CP)</b>  AVP306 (FO, CP)	Fall, Winter, Spring and Summer terms	Minimum 90% of students will pass final exam with minimum score of 80% Minimum 90% of students will pass final exam with minimum score of 80% Minimum 90 % of students enrolled EOC flight lab pass flight check on first attempt
5. Demonstrate a working knowledge of various aviation industries to include airspace system management, airline operations, <b>legal</b> , and aviation support facilities.	1. Provide outstanding, quality aviation academic programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	2 –Prepare students to participate in an increasingly diverse economy and environment	6. Build inclusive and diverse campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation	Final exam  Group Presentations	Students enrolled in: AVP348 (FO )  <b>AVM 330 (FO, CP)</b>  AVP333 (FO, CP)	Fall, Winter, Spring and Summer terms	A minimum of 90% of students shall pass the final exam with a score of 80% or higher. All group presentation cumulative evaluation scores (based on both classmates and team mate evaluations) will equal or exceed 90% of maximum possible points
6. Exhibit the verbal and written	1. Provide outstanding, quality aviation academic	2 –Prepare students to participate in	6. Build inclusive and diverse	Term Paper	Students enrolled in: AVP 332 (CP)	Fall, Winter, Spring and Summer terms	A minimum of 90% of students will have 15 or

Student Learning Outcomes	Related Program/ Departmental Goals	Related College Goals	Related University Goals	Method(s) of Assessment	Who Assessed	When Assessed	Standard of Mastery/ Criterion of Achievement
communication skills needed to interact with aviation professionals, business, and management.	programs on the Ellensburg campus that prepare competent professionals for leadership positions in the aviation industry	an increasingly diverse economy and environment	campus communities that promote intellectual inquiry and encourage civility, mutual respect, and cooperation	Current Event presentations	AVP333 (FO, ) AVP417 (FO, CP )		less grammar/spelling errors and a minimum paper score of 80%  A minimum of 90% of students will score 80% or higher on verbal presentations

