

# Assessment: Reporting Unit Four Column

## Aviation - B.S.

<i>Objectives</i>	<i>Assessment Methods</i>	<i>Results/Observations</i>	<i>Meaningful Changes</i>
<p><b>16-20 BS-AVN-Aerospace Mgmt-1 Critical Thinking</b> - Graduates of the B.S. Aviation Aerospace Management option will demonstrate the ability to apply critical thinking, based on AVN 401</p> <p><b>Objective Status:</b> Active</p> <p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Aerospace Management Option), Critical Thinking Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>Evaluation of academic program critical thinking activities.</p> <p><b>Criterion:</b> * At least 75% of students will score 70% or higher grade on AVN 401</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Who: Aviation Program Curriculum Committee and Department of Applied Engineering &amp; Technology faculty.</p> <p>How: Make appropriate changes in delivery or text.</p>		
	<p>Evaluation of academic program critical thinking activities</p> <p><b>Criterion:</b> At least 75% of students will score 70% or higher grade on AVN 402.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Who: Aviation Program Curriculum Committee and Department of Applied Engineering &amp; Technology faculty.</p> <p>How: Make appropriate changes in delivery or text.</p>		
	<p>Aviation Management Exit Examination, AVN 467</p> <p><b>Criterion:</b> 80% of students will score 80% or higher on the Aviation</p>		

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	<p>Management Exit Exam, AVN 467.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Who: The Aviation Program curriculum committee, the FAA , and AET department faculty  How: Make appropriate changes in curriculum.</p>		
<p><b>16-20 BS-AVN-Aerospace Mgmt-2 Communication</b> - Graduates of the B.S. Aviation Aerospace Management option will demonstrate the ability to communicate effectively both orally and written, based on AVN 401.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Aerospace Management Option), Communication Skills Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>Evaluation of academic program communication activities, by measuring student performance in AVN 401.  <b>Criterion:</b> At least 80% of students will obtain a grade of B or higher in AVN 401.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> The Aviation Program curriculum committee, the FAA, and AET department faculty.</p>	<p>Evaluation of academic program communication activities, by measuring student performance in AVN 402.  <b>Criterion:</b> 75% of the students will score 70% or higher in AVN 402.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> The Aviation Program curriculum committee, the FAA, and AET department faculty.</p>	
	<p>Aviation Management Exit Examination, AVN 467  <b>Criterion:</b> 80% of students will score 80% or higher on the Aviation Management Exit Examination, AVN 467  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program curriculum</p>		

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<p><b>16-20 BS-AVN-Aerospace Mgmt-3 -</b> Graduates of the B.S. Aviation Aerospace Management will demonstrate knowledge of the varying aspects of aviation as it pertains to managing aviation assets to the purchase, finance, insurance, safety, and the use of corporate aircraft and the management of a corporate flight department, based on AVN 350.</p> <p><b>Objective Status:</b> Active</p> <p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Aerospace Management Option), Program-Level Learning Objectives (PLLO)</p>	<p>committee, the FAA, and AET department faculty</p>	<p>Evaluation of academic program aviation management activities. AVN 350 assigned research project, which will also include a presentation.</p> <p><b>Criterion:</b> At least 80% of students will obtain score a B or higher on the AVN 350 course project</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> The Aviation Program curriculum committee, the FAA, and AET department faculty.</p>	
		<p>Evaluation of academic program aviation management activities. AVN 402 assigned research project, which will also include a presentation.</p> <p><b>Criterion:</b> 80% of the students will score 70 % or higher in AVN 402, which will include a research paper and presentation.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> The Aviation Program curriculum committee, the FAA, and AET department faculty.</p>	
		<p>Aviation management program exit exam developed by the aviation curriculum committee, AVN 467.</p> <p><b>Criterion:</b> 80% of students will score 80% or higher on the aviation management exit examination, AVN 467.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> The Aviation Program curriculum committee, the FAA, and AET department faculty.</p>	
<p><b>16-20 BS-AVN-Pro Flight-1 Critical</b></p>	<p>Evaluation of academic program</p>		

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<p><b>Thinking</b> - Students will use critical thinking, based on AVN 334A.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Professional Flight Option), Critical Thinking Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>critical thinking activities.  <b>Criterion:</b> 80% or higher 1st time student pass on AVN 334 commercial check  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> The Aviation Program curriculum committee, the FAA, and AET department faculty.</p>	<p><b>Result Status:</b> Result Open-Further action needed  <b>Result/Observation Type:</b> Strength  Students feedback indicates that there is difficulty in transferring the private flight certificate to ECU as a result of the Part 141 requirement. In addition, students have expressed frustration with the recertification process due to the first-time pass rate requirement for the FAA private exam. (04/26/2017)  <b>Related Documents:</b>  <a href="#">161A.pdf</a>  <a href="#">AVN 161.pdf</a>  <a href="#">AVN 162A.pdf</a></p>	<p><b>Meaningful Changes:</b> AVN 161/161A and 162A was added to the curriculum to move all ECU Aviation students to Part 61 training. This provided an easier path to transfer the private pilot certificate to ECU. All future students will take the Part 61 (AVN 161) private pilot course which will also make reporting easier to the FAA. (04/26/2017)</p>
	<p>Aviation Management Exit Examination, AVN 467  <b>Criterion:</b> 80% of students will score 80% or higher on the Aviation Management Exit Exam, AVN 467.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Applied Engineering &amp; Technology faculty</p>		
<p><b>16-20 BS-AVN-Pro Flight-2 Communication</b> - Students will communicate effectively both orally and written, based on AVN 401.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Professional Flight Option), Communication Skills Learning Objective, Program-Level Learning Objectives (PLLO)</p>	<p>Evaluation of academic program communication activities.  <b>Criterion:</b> 75% of students achieve 80% or higher on AVN 401.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Applied Engineering &amp; Technology faculty</p>	<p><b>Result Status:</b> Result Open-Further action needed  <b>Result/Observation Type:</b> Strength  Initial feedback from graduates indicated the addition of AVN 435 was instrumental in their first position as they better understood turbine systems and were able to accelerate in their training.  (04/26/2017)  <b>Related Documents:</b>  <a href="#">AVN435 Syllabus Fall 2016 Adams.docx</a></p>	<p><b>Meaningful Changes:</b> AVN 435 Turbine Engine Systems was added to the curriculum to fill a void for students entering the commercial/corporate airline industry. Students (04/26/2017)</p>
	<p>AVN 467 Exit Exam  <b>Criterion:</b> 75% or higher achieve 80% on AVN 467  <b>Schedule:</b> Annually  <b>Who will use the data (How and</b></p>		

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<p><b>16-20 BS-AVN-Pro Flight-3</b> - Students will be qualified to fly an airplane solely by reference to instruments under instrument flight conditions (IMC) in accordance with Federal Aviation Regulations (FAR) instrument flight rules (IFR), based on instrument pilot written captured by part 141 renewal stats.</p> <p><b>Objective Status:</b> Active</p> <p><b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Professional Flight Option), Program-Level Learning Objectives (PLLO)</p>	<p><b>When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Applied Engineering &amp; Technology faculty</p> <hr/> <p>FAA Instrument Pilot Written Examination</p> <p><b>Criterion:</b> : 80% of the students will score 70% or higher</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>	<p><b>Result Status:</b> Result Open-Further action needed</p> <p><b>Result/Observation Type:</b> Strength</p> <p>Initial feedback from graduates indicated AVN 480 was instrumental in their first position as they better understood glass cockpit technologies and were able to accelerate in their training. (04/26/2017)</p> <p><b>Related Documents:</b></p> <p><a href="#">AVN 480.pdf</a></p>	<p><b>Meaningful Changes:</b> AVN 480 was added to provide glass cockpit technologies. This is a critical technology as most all commercial/corporate carriers are moving to the G1000. Glass cockpit technologies is more than learning how to use digital flight system. It also involves the human factors required and how to manage the technology in the cockpit. This course was a significant advancement to better prepare students for the commercial/corporate world. (04/26/2017)</p>
	<p>FAA Instrument Pilot Practical Examination</p> <p><b>Criterion:</b> FAA notification of successful completion. 80% pass rate on first attempt.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>		
	<p>EKUs FAA approved program of instruction: Instrument Pilot academic courses AVN 220</p> <p><b>Criterion:</b> 80% of the students will score 80% or higher</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Aviation Program</p>		

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<p><b>16-20 BS-AVN Pro Flight-4</b> - Students will perform Commercial pilot duties of an aircraft carrying persons or property for compensation or hire, based on commercial pilot written captured by part 141 renewal stats.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Professional Flight Option), Program-Level Learning Objectives (PLLO)</p>	<p>Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>	<p>FAA Commercial Pilot Written Examination  <b>Criterion:</b> 80% of the students will score 70% or higher  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>	
		<p>: FAA Commercial Pilot Practical (AVN 334A) Examination  <b>Criterion:</b> FAA notification of successful completion. 80% pass rate on first attempt.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>	
		<p>EKUs FAA approved program of instruction: Commercial Pilot academic courses (AVN 300)  <b>Criterion:</b> 80% of the students will score 80% or higher  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>	
<p><b>16-20 BS-AVN Pro Flight-5</b> - Students will perform of a multi-engine pilot based on multiengine private pilot add-on practical captured by part 141</p>		<p>FAA Multiengine Private Pilot Add-on Practical Examination  <b>Criterion:</b> FAA notification of successful completion. 80% pass rate</p>	

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<p>renewal stats.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Professional Flight Option), Program-Level Learning Objectives (PLLO)</p>	<p>on first attempt.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>		
	<p>EKUs FAA approved program of instruction: Multi-engine Pilot academic courses (AVN 305)  <b>Criterion:</b> 80% of the students will score 80% or higher  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>		
<p><b>16-20 BS-AVN Pro Flight-6</b> - Students will perform duties of a certified flight instructor, certified flight instructor-instrument, and multi-engine instructor, based on AVN 415 FOI.  <b>Objective Status:</b> Active  <b>Objective Type (Control-click to select multiple):</b> 16-20 Plan, B.S. Aviation (Professional Flight Option), Program-Level Learning Objectives (PLLO)</p>	<p>FAA Fundamentals of instruction (FOI) written examination, AVN 415.  <b>Criterion:</b> 80% of the students will score 80% or higher.  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>		
	<p>FAA Certified Flight Instructor Written Examination (AVN 415 CFI)  <b>Criterion:</b> 80% of students will score 80% or higher  <b>Schedule:</b> Annually  <b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p> <p>FAA Instrument Instructor Written (AVN 421 CFII) Examination</p>		

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	<p><b>Criterion:</b> 80% of students will score 80% or higher</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>		
	<p>FAA Flight Instructor Practical Examination</p> <p><b>Criterion:</b> FAA notification of successful completion. 80% pass rate on first attempt.</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>		
	<p>EKUs FAA approved program of instruction: Certified Flight Instructor, Instrument Instructor, and multi-engine instructor pilot academic courses (AVN 421).</p> <p><b>Criterion:</b> 80% of the students will score 80% or higher</p> <p><b>Schedule:</b> Annually</p> <p><b>Who will use the data (How and When)?:</b> Aviation Program Curriculum Committee, the Federal Aviation Administration and Department of Technology faculty</p>		