

2016-2017 Assessment Cycle

## Assessment Plan

### Measures

#### BS Aeronautical Science Outcome Set

##### Outcome

###### 1A. Prepared to apply basic knowledge

Program graduates will demonstrate that they are adequately prepared and have the ability to apply knowledge of mathematics, science and applied sciences at various levels of education.

▼ **Measure:** Graduating Student Survey - Basic Knowledge  
Program level; Indirect - Survey

**Details/Description:** Graduating Students will be asked to assess their perception of understanding of basic knowledge in mathematics, science and applied science.

**Criterion for Success:** 80% will rate their understanding in the top two categories.

**Timeframe of Data Collection:** Most recent GSS (Data collected May 2017)

**Key/Responsible Personnel:** 1) IR to administer and publish GSS.  
2) AS Assessment Coordinator to analyze/report data and enter in Taskstream.

▼ **Measure:** Student performance in course outcomes associated with communication.  
Program level; Direct - Other

**Details/Description:** Diagrammed in the Taskstream curriculum map and attached Excel spreadsheet defining specific course outcomes associated with each program outcome.


Aeronautical Science Courses included in the analysis are AS121, AS221, AS309, AS310, AS311, AS321, AS350, AS356, AS410, AS411, AS420, AS435, WX201, WX203L and WX301.

**Criterion for Success:** 80% or more of individual course outcome criteria analyzed shall pass the criteria stated in the Master Course Outline Assessment Document.

**Timeframe of Data Collection:** Course assessment data from two (2) prior semesters within the previous three (3) semesters.

**Key/Responsible Personnel:** 1) Course monitor responsible for data collection, analysis and submission on university shared drive. 2) Assessment coordinator. 3) Aeronautical Science Chair.

**Supporting Attachments:**

 ERAU Prescott AS Master Matrix 2016-09-30 (Adobe Acrobat Document)

The Master Matrix maps applicable courses to AS and AABI Outcomes, as well as documenting outcomes to be evaluated for each cycle.

###### 9I. Ability to understand the environment

Program Graduates will possess an understanding of the national and international aviation environment.

▼ **Measure:** Graduating Student Survey - Environment  
Program level; Indirect - Survey

**Details/Description:** Graduating Students will be asked to assess their perception of understanding of the national and international aviation environment.

**Criterion for Success:** 80% will rate their understanding in the top two categories.

**Timeframe of Data Collection:** Most recent GSS (Data collected May 2017)

**Key/Responsible Personnel:** 1) IR to administer and publish GSS.  
2) AS Assessment Coordinator to analyze/report data and enter in Taskstream.

▼ **Measure:** Student performance in course outcomes associated with communication.  
Program level; Direct - Other

**Details/Description:** Diagrammed in the Taskstream curriculum map and attached Excel spreadsheet defining specific course outcomes associated with each program outcome.

Aeronautical Science Courses included in the analysis are AS350, AS402, AS405, AS408, AS410 and AS411.


(NOTE: AS254 shown as associated course on Master Matrix but is no longer taught at the Prescott Campus.)

**Criterion for Success:** 80% or more of individual course outcome criteria analyzed shall pass the criteria stated in the Master Course Outline Assessment Document.

**Timeframe of Data Collection:** Course assessment data from two (2) prior semesters within the previous three (3) semesters.

**Key/Responsible Personnel:** 1) Course monitor responsible for data collection, analysis and submission on university shared drive. 2) Assessment coordinator. 3) Aeronautical Science Chair.

**Supporting Attachments:**

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The Master Matrix maps applicable courses to AS and AABI Outcomes, as well as documenting outcomes to be evaluated for each cycle.

### 10J. Preparation in decision-making and judgment skills

Program graduates will demonstrate the ability to apply pertinent knowledge in identifying and solving problems.

▼ **Measure:** Graduating Student Survey - Decision Making and Judgement  
Program level; Indirect - Survey

**Details/Description:** Graduating Students will be asked to assess their perception of understanding of decision making and judgement.

**Criterion for Success:** 80% will rate their understanding in the top two categories.

**Timeframe of Data Collection:** Most recent GSS (Data collected May 2017)

**Key/Responsible Personnel:** 1) IR to administer and publish GSS.  
2) AS Assessment Coordinator to analyze/report data and enter in Taskstream.

▼ **Measure:** Student performance in course outcomes associated with communication.  
Program level; Direct - Other

**Details/Description:** Diagrammed in the Taskstream curriculum map and attached Excel spreadsheet defining specific course outcomes associated with each program outcome.


Aeronautical Science Courses included in the analysis are AS121, AS221, AS309, AS310, AS311, AS321, AS350, AS356, AS387, AS405, AS408, AS410, AS411, AS420, AS435, FA323, WX201 and WX301.

**Criterion for Success:** 80% or more of individual course outcome criteria analyzed shall pass the criteria stated in the Master Course Outline Assessment Document.

**Timeframe of Data Collection:** Course assessment data from two (2) prior semesters within the previous three (3) semesters.

**Key/Responsible Personnel:** 1) Course monitor responsible for data collection, analysis and submission on university shared drive. 2) Assessment coordinator. 3) Aeronautical Science Chair.

**Supporting Attachments:**

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The Master Matrix maps applicable courses to AS and AABI Outcomes, as well as documenting outcomes to be evaluated for each cycle.

### 11K. Ability to apply business knowledge

Program graduates will demonstrate the ability to apply knowledge of accepted business practices to aviation issues.

▼ **Measure:** Graduating Student Survey - Business Knowledge  
Program level; Indirect - Survey

**Details/Description:** Graduating Students will be asked to assess their perception of understanding of knowledge related to accepted business practices in aviation.

**Criterion for Success:** 80% will rate their understanding in the top two categories.

**Timeframe of Data Collection:** Most recent GSS (Data collected May 2017)

**Key/Responsible Personnel:** 1) IR to administer and publish GSS.  
2) AS Assessment Coordinator to analyze/report data and enter in Taskstream.

▼ **Measure:** Student performance in course outcomes associated with communication.  
Program level; Direct - Other

**Details/Description:** Diagrammed in the Taskstream curriculum map and attached Excel spreadsheet

defining specific course outcomes associated with each program outcome.

Aeronautical Science Courses included in the analysis are AS402, AS405 and AS410.


(NOTE: AS254 shown as associated course on Master Matrix but is no longer taught at the Prescott Campus.)

**Criterion for Success:** 80% or more of individual course outcome criteria analyzed shall pass the criteria stated in the Master Course Outline Assessment Document.

**Timeframe of Data Collection:** Course assessment data from two (2) prior semesters within the previous three (3) semesters.

**Key/Responsible Personnel:** 1) Course monitor responsible for data collection, analysis and submission on university shared drive. 2) Assessment coordinator. 3) Aeronautical Science Chair.

**Supporting Attachments:**

 ERAU Prescott AS Master Matrix 2016-09-30 (Adobe Acrobat Document)

The Master Matrix maps applicable courses to AS and AABI Outcomes, as well as documenting outcomes to be evaluated for each cycle.

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