# Assessment: Assessment Plan

## Degree Program - ENG - Systems and Engineering Management (MS)

- **CIP Code:** 14.2701.00
- **Degree Program Coordinator:** Bryan Norman
- **Degree Program Coordinator Email:** bryan.norman@ttu.edu
- **Modality:** 100% Online, Face-to-Face

## Student Learning Outcome: Communication

Students will demonstrate ability to effectively communicate through oral and written means.

- **Outcome Status:** Active
- **Outcome Type:** Student Learning
- **Start Date:** 08/24/2015

### Assessment Methods

<table>
<thead>
<tr>
<th>Assessment Method</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Master’s Comprehensive Exam</strong> - Master’s Comprehensive Exam – Communication Rubric (Active)</td>
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</tbody>
</table>
**Criterion:** Pre-2017-2018: 80% of students will score at least 3.0/4.0 on the rubric
2017-2018 and beyond: 50% of students will score at least 3.0/4.0 on the rubric  
**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected by faculty administering the Master’s Comp Exam every time that exam is offered and results compiled. |
| **Student Exit Survey** - Master’s Exit Survey – Communication Rubric (Active) | 
**Criterion:** Pre-2019-2020: 80% of students will score at least 3.0/4.0 on the rubric
2019-2020 and beyond: 50% of students will score at least 3.0/4.0 on the rubric  
**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the Master’s Comp Exam every time that exam is offered and rubric will be applied by the graduate committee chair. Results will be compiled. |

## Student Learning Outcome: Fundamental Knowledge of Systems

Students will demonstrate fundamental knowledge of systems and engineering management (SYEM) concepts.

- **Outcome Status:** Active
- **Outcome Type:** Student Learning
- **Start Date:** 08/24/2015

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<tr>
<td><strong>Master’s Comprehensive Exam</strong> - Master’s Comprehensive Exam – Results (Active)</td>
<td></td>
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</table>
**Criterion:** 90% of students will pass the exam.  
**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected every time exam is offered and results compiled. |
# Degree Program - ENG - Systems and Engineering Management (MS)

<table>
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<tr>
<th><strong>Student Exit Survey - Master’s Exit Survey – Fundamental Knowledge Questions (Active)</strong></th>
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| **Criterion:** 80% of students will score at least 8.0/10.0 on the questions related to knowledge gained from the program.  
**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the Master’s Comp Exam every time that exam is offered and results compiled. |

## Student Learning Outcome: Professional Settings

Students will demonstrate ability to work effectively in professional settings.

| **Outcome Status:** Active |
| **Outcome Type:** Student Learning |
| **Start Date:** 08/24/2015 |

### Assessment Methods

<table>
<thead>
<tr>
<th><strong>Employment - LinkedIn Searching – Job Placement (Active)</strong></th>
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</table>
| **Criterion:** 70% of students with industry or academic placement within 1 academic year of graduation  
Note: Prior to 2018-19 a Student Exit Survey was used.  
**Schedule:** Every year. Data will be collected each year during the Spring semester for the previous academic year’s graduates. Results will be compiled. |

<table>
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<tr>
<th><strong>Student Exit Survey - Master’s Exit Survey – Teamwork Questions (Active)</strong></th>
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</table>
| **Criterion:** Pre-2017-2018: 90% of students will score at least 8.0/10.0 on the questions related to their experience working in teams in the program.  
2017-2018 and beyond: 80% of students will score at least 8.0/10.0 on the questions related to their experience working in teams in the program.  
**Schedule:** Every year. Assessment will start 08/25/2015. Data will be collected as a co-requirement with the Master’s Comp Exam every time that exam is offered and rubric will be applied by the graduate committee chair. Results will be compiled. |