
Findings By Assessment Method
Oklahoma State University Technical Branch-Okmulgee
Engineering Technologies Division

Objective: **ETDE Core Objective 1: Communication** - Effectively communicate electronically, verbally, and in writing [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date:

End Date:

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ENGL 1113** - Freshman Composition I
ENGL 1213 - Freshman Composition II
ETDE 3243 - Operating Systems
SPCH 1113 - Introduction to Speech Communications

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment | 80% of all Electrical/Electronics graduates will demonstrate their ability to communicate in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will provide a portfolio of comprehensive assignments and exams in ETDE 3243 Capstone | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

report.

| | | | |
|---|---|--|---|
| Faculty will review demonstrations, printed and electronically stored copies of samples of critical thinking to determine if students have demonstrated their ability to Communicate in the field of Electrical/Electronics | 80% of all Electrical/Electronics graduates will demonstrate their ability to communicate in the field of Graphic Design with an accuracy of 74% (or higher). | Students will provide printed and electronically stored copies of required samples of writing and presentations in ENGL 1033, ENGL 1113 Freshman Comp I (Portfolio and Essay), ENGL 1213 Freshman Comp II (Research Paper), SPCH 1113 Intro to Speech (Persuasive Speech) to be evaluated by Communications faculty in each Communications course. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
|---|---|--|---|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|--------------|-----------|----------|
| <p>08/26/2006 -- Core Objective 1 - Communication Formative</p> <p>DESCRIPTION: Nine of 11 (82%) ETDE majors met or exceeded the portfolio assessment in ENGL 1113, Freshman Comp I. Two of two ETDE majors met or exceeded the research paper assessment in ENGL 1213, Freshman Comp II, designed to measure Communication skill achievement. The combined total is an 85% success rate, which</p> | | | No |

exceeds the 80% benchmark.

TYPE: Distinction / Strength

NOTES: No action required.

05/05/2006 -- Core

No

Objective 1 -

Communication

Formative

DESCRIPTION: The summative assessment for this Core Objective was a technical report created in Capstone, ETDE 2606. Because the summer semester was not covered in this reporting period, and because Capstone was offered during the summer semester, this assessment is not reported here.

TYPE: Problem / Limitation

NOTES: Will be reviewed for next cohort.

Objective: **ETDE Core Objective 2: Problem Solving** - Demonstrate logical, systematic problem-solving techniques. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been

collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|---|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to problem solve in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will complete a portfolio of assignments and exams in College Algebra MATH 1513 and Trigonometry MATH 1613 | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the | 80% of all Electrical/Electronics graduates will demonstrate their ability to problem solve in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will complete and research project for Capstone | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

annual assessment report.

| Findings | | | |
|---|--|-----------|----------|
| Finding | Action Taken | Follow-Up | Resolved |
| <p>05/05/2006 -- ETDE Core Objective 2: Problem Solving - Formative DESCRIPTION: Seven of 11 (64%) ETDE students met or exceeded the standard for the assessment in MATH 1513, College Algebra. One of one student met or exceeded the standard for the assessment in MATH 2123, Technical Calculus I. The combined proficiency rate for the formative assessment of Problem Solving is 67%, which does not meet the 80% benchmark. TYPE: Problem / Limitation</p> | <p>05/05/2006 -- The national average pass rate for College Algebra is 50%. It is expected that Engineering Technicians exceed the national average and meet or exceed the college benchmark. This rate will be reviewed again for the first graduating cohort.</p> | | No |
| | | | |
| <p>05/05/2006 -- ETDE Core Objective 2: Problem Solving - Summative DESCRIPTION: The Capstone research project is the assessment used to measure summative achievement of this objective. However, Capstone was offered in the summer semester and is not</p> | | | No |

covered in this reporting period, due to the reporting period change to align with the Regents' reporting period.

TYPE: Problem / Limitation

NOTES: Final graduating cohort will be reviewed.

Objective: **ETDE Core Objective 3: Ethics** - Develop and display a sense of personal, social and professional work ethics. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|---|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the | 80% of all Electrical/Electronics graduates will demonstrate their ability to perform ethically in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will complete a reflective essay in Ethics PHIL 1213 | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

| | | | |
|---|--|--|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to perform ethically in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>No summative measure was selected for this summative objective.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|--|--|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|---|-----------|-----------|
| <p>05/05/2006 -- ETDE Core Objective 3: Ethics - Formative DESCRIPTION: One of one ETDE student completed and passed the Ethics essay assessment in PHIL 1213. TYPE: Distinction / Strength NOTES: There are numerous students who</p> | <p>05/05/2006 -- Because many student are recorded as "Undeclared ETD" students when they take Ethics, PHIL 1213, and the ethics assessment essay, formative results are limited at this point. However, the cohort will be reviewed for</p> | | <p>No</p> |

are still denoted as non-declared ETD majors in the SCT system when they take Ethics.

Therefore, this criterion needs to be reviewed within the graduating cohort.

formative and summative results upon graduation.

05/05/2006 -- ETDE Core Objective 3: Ethics - Summative

DESCRIPTION: The summative assessment for Ethics is measured during Capstone, ETDE 2606, which is not covered in this reporting period.

TYPE: Distinction / Strength

05/05/2006 -- The final graduating cohort will be reviewed for this objective.

No

Objective: **ETDE Core Objective 4: History & Government** - Explain the cultural heritage and primary element of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--|---|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to understand cultural impact in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will complete a portfolio of assignments and exams in HIST 1483 US History to 1865, HIST 1493 US History Since 1865, or POLS 1113 US Government. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to understand cultural impact in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No summative measure was selected for this summative objective. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---------|--------------|-----------|----------|
|---------|--------------|-----------|----------|

05/05/2006 -- ETDE
 Core Objective 4:
 History & Government -
 Formative
DESCRIPTION: Two
 of three ETDE students
 met or exceeded the
 assessments in HIST
 1483 and HIST 1493.
 Nine of 10 ETDE
 students met or
 exceeded the assessment
 in POLS 1113 for a
 combined 85% success
 rate.
TYPE: Distinction /
 Strength
NOTES: No action
 needed at this time.

Yes

05/05/2006 -- ETDE
 Core Objective 4:
 History & Government -
 Summative
DESCRIPTION:
 ETDE did not establish
 a summative assessment
 for this objective during
 this reporting year.
TYPE: Problem /
 Limitation

05/05/2006 -- ETDE
 and Advisory
 Committees are
 meeting in May 2006
 to make revisions to
 Program Objectives.
 This issue will be
 amended at this time.

No

Objective: **ETDE Core Objective 5: Technology** - Access and use technology appropriate to one's industry or field of study. [\[Hide Objective Detail\]](#)
 Programs: Electrical/Electronics
 Start Date: 09/06/2004
 End Date: 05/06/2005
 Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--|---|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to use technology in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will complete a civil, architectural, and mechanical drawing project. No course was stated as where this assessment would occur. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The | 80% of all Electrical/Electronics graduates will demonstrate their ability to use technology in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will complete a drafting contest drawing. (No course was specified) | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

resulting actions will be documented in the annual assessment report.

| Findings | | | |
|--|--|-----------|----------|
| Finding | Action Taken | Follow-Up | Resolved |
| <p>05/05/2006 -- ETDE Core Objective 5: Technology - Formative and Summative DESCRIPTION: No course was specified for the formative or summative assessment of this objective for the reporting year. No findings to report. TYPE: Problem / Limitation</p> | <p>05/05/2006 -- Because there was no dedicated faculty member or ETD committee focusing on assessment at this time, this objective was not formally measured during the academic year. This was corrected during the following academic year with the addition of Steve Holley, ETDE faculty, dedicated to assessment.</p> | | No |

Objective: **ETDE Technical Program Objective 1: Teaming** - Work effectively as part of a team. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--|---|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to team in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will complete a robo lab competetion. no cose whas speifid | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to team in the field of Electrical/Electronics with an accuracy of 74% (or higher). | Students will complete a capstone project. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---------|--------------|-----------|----------|
|---------|--------------|-----------|----------|

05/05/2006 -- ETDE Technical Program Objective 1: Teaming - Formative and Summative
DESCRIPTION: No course was specified in the Assessment Plan for the formative assessment of this objective.

05/05/2006 -- Faculty will review and revise the Assessment Plan for ETDE in May 2006 in conjunction with the ETD Division Chair.

No

The Capstone project was designated as the summative assessment; however, the summer semester is not included in this reporting period.
TYPE: Problem / Limitation

Objective: **ETDE Technical Program Objective 10: Electronic Control Devices** - Install calibrate and troubleshoot measurement control systems [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|-----------------------|------------|--------------|-----------------------|
| The faculty and staff | 80% of all | No formative | Data gathered will be |

| | | | |
|---|--|--|--|
| <p>of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>Electrical/Electronics graduates will demonstrate their ability to use electronic control devices in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>measure was selected at the time.</p> | <p>used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|--|--|--|

| | | | |
|---|---|--|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to use electronic control devices in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>Students will complete a Control Devices final.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|---|--|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|--------------------------|-----------|----------|
| 05/05/2006 -- ETDE Technical Program | 05/05/2006 -- The | | No |

Objective 10: Electronic Control Devices - Formative and Summative graduating cohort will be re-evaluated for this objective.

DESCRIPTION: No formative measure of this objective was established in the Assessment Plan for this reporting period.

The Summative assessment was the final exam in the Control Devices course, ETDE 1273. However, no student from the Fall 2003 Freshman cohort took this course in this reporting period. One student from the Fall 2004 cohort did so and completed or exceeded the assessment at the benchmark level.

TYPE: Problem / Limitation

NOTES: Data not available.

Objective: **ETDE Technical Program Objective 11: Measurement and Control Systems** - Install, Calabrate and troubleshoot measurement and control systems [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the

curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to troubleshoot measurement and control systems in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

| | | | |
|---|---|---|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to troubleshoot measurement and control systems in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>Students will complete an Instrumentation final.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|---|---|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|---|-----------|-----------|
| <p>05/05/2006 -- ETDE Technical Program Objective 11: Measurement and Control Systems - Formative & Summative DESCRIPTION: No formative assessment was established for this objective during the reporting period.</p> | <p>05/05/2006 -- The graduating cohort will be re-evaluated for this objective</p> | | <p>No</p> |

The summative assessment was the final exam in Instrumentation, ETDE 2133. However, no student from the Fall 2003 Freshman cohort took this course in this reporting period. One

student from the Fall 2004 cohort did so and completed or exceeded the assessment at the benchmark level.

TYPE: Problem / Limitation

Objective: **ETDE Technical Program Objective 12: Process Measurement and Controls** - Apply the basic physical laws of temperature, pressure, flow, and level as related process measurement and controls [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|---|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods | 80% of all Electrical/Electronics graduates will demonstrate their ability to understand process measurement and controls in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

exam
[View Measurement Link](#)

exam hi
[View Measurement Link](#)

80% of all Electrical/Electronics graduates will demonstrate their ability to understand process measurement and controls in the field of Electrical/Electronics with an accuracy of 74% (or higher).

Students will complete an Instrumentation final.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|---|-----------|----------|
| 05/05/2006 -- ETDE Technical Program Objective 12: Process Measurement and Controls - Formative and Summative DESCRIPTION: No formative assessment | 05/05/2006 -- The faculty and Advisors will meet in May 2006 to revise the Assessment Plan for ETDE. No two objectives should have | | No |

was established for this objective during the reporting period. an identical assessment.

The summative assessment was the final exam in Instrumentation, ETDE 2133. However, no student from the Fall 2003 Freshman cohort took this course in this reporting period. One student from the Fall 2004 cohort did so and completed or exceeded the assessment at the benchmark level.
TYPE: Problem / Limitation

Objective: **ETDE Technical Program Objective 13: Electrical Standards and regulations** - Evaluate and apply electrical standards and regulations [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|-----------------------|------------|--------------|-----------------------|
| The faculty and staff | 80% of all | No formative | Data gathered will be |

| | | | |
|---|---|--|--|
| <p>of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>Electrical/Electronics graduates will demonstrate their ability to understand electrical standards and regulations in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>measure was selected at the time.</p> | <p>used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|---|--|--|

| | | | |
|---|--|---|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to understand electrical standards and regulations in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>Students will complete a Standards a Regulations activity in Capstone.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|--|---|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|----------------------|-----------|----------|
| 05/05/2006 -- ETDE Technical Program | 05/05/2006 -- | | No |

Objective 13: Electrical Standards and Regulations - Formative and Summative

Assessment Plan to be revised May 2006.

DESCRIPTION: No formative assessment was established for this objective during the reporting period.

The summative assessment was the final exam in Capstone, ETDE 2606. However, Capstone was offered during the summer semester and is not covered in this report.

TYPE: Problem / Limitation

Objective: **ETDE Technical Program Objective 14: Electrical schematics and prints** - Analyze and produce a variety of electrical schematics and prints. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|-----------------------|------------|--------------|-----------------------|
| The faculty and staff | 80% of all | No formative | Data gathered will be |

| | | | |
|---|--|--|--|
| <p>of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>Electrical/Electronics graduates will demonstrate their ability to analyze electrical schematics and prints in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>measure was selected at the time.</p> | <p>used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|--|--|--|

| | | | |
|---|---|---|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to electrical schematics and prints in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>Students will complete a 555 timer lab, a motor control documentaion lab and intro to programmable logic controller lab and instrumentation lab.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|---|---|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|---------------------------|-----------|----------|
| 05/05/2006 -- ETDE Technical Program | 05/05/2006 -- This | | No |

Objective 14: Electrical Schematics and Prints - Formative and Summative

DESCRIPTION: No formative assessment was established for this objective during the reporting period.

assessment needs to be revisited for greater ease in reporting while maintaining the usefulness of the plan.

The summative assessment was the aggregate results from a 555 timer lab, a motor control documentation lab, a logic controller lab, and an instrumentation lab.

However, this data was not aggregated.

TYPE: Problem / Limitation

Objective: **ETDE Technical Program Objective 15: Electrical and Electronic circuits** - Apply concepts and formulas of algebra and trigonometry to analyze electrical and electronic circuits [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

Method

Criterion

Schedule

Action Plan

| | | | |
|---|---|---|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to apply math to analyze circuits in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>No formative measure was selected at the time.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|---|---|--|

| | | | |
|---|---|---|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to apply math to analyze circuits in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>Students will complete a Principles, Practices and Devices final</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|---|---|--|

Findings

| | | | |
|---------|--------------|-----------|----------|
| Finding | Action Taken | Follow-Up | Resolved |
|---------|--------------|-----------|----------|

05/05/2006 -- ETDE
Technical Program
Objective 15: Electrical
and Electronic Circuits -
Formative and
Summative

05/05/2006 --
Assessment Plan will
be reviewed and
revised in May 2006.

No

DESCRIPTION: No
formative assessment
was established for this
objective during the
reporting period.

The summative
assessment was the final
exam in Principles,
Practices, and Devices
in ETDE 1253.

However, no student
from the Fall 2003 or
the Fall 2004 Freshman
cohorts took this course
in this reporting period.

TYPE: Problem /
Limitation

Objective: **ETDE Technical Program Objective 16: Industry quality standards** - Determine process and documentation requirements to meet the intent of various industry quality standards. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|---|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to understand industry quality standards in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. | 80% of all Electrical/Electronics graduates will demonstrate their ability to understand industry quality standards in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No summative measure was specified at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--|-----------|----------|
| 05/05/2006 -- ETDE Technical Program Objective 16: Industry Quality Standards DESCRIPTION: No formative or summative assessments were established for this objective during the reporting period. | 05/05/2006 -- The Assessment Plan was incomplete at this time because there was no faculty member dedicated to the project. | | No |
| TYPE: Problem / Limitation | | | |

Objective: **ETDE Technical Program Objective 17: Applied research projects**
- Design and execute through completion applied research projects.
[\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical and Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ETD 4413** - Capstone
ETDE 1363 - Electronic Devices and Standards
ETDE 1373 - Digital Systems and Microcontrollers
ETDE 2090 - Special Projects

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| The faculty and staff of the | 80% of all Electrical/Electronics | No formative measure was selected | Data gathered will be used to make |

| | | | |
|--|--|---------------------|---|
| <p>Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>graduates will demonstrate their ability to conduct applied research projects in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>at the time.</p> | <p>inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|--|---------------------|---|

| | | | |
|---|--|---|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to conduct applied research projects in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>Students will complete a capstone project.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|--|---|--|

Findings

| | | | |
|---------|--------------|-----------|----------|
| Finding | Action Taken | Follow-Up | Resolved |
|---------|--------------|-----------|----------|

05/05/2006 -- ETDE
 Technical Program
 Objective 17: Applied
 Research Projects
DESCRIPTION: No
 formative assessment
 was established for this
 objective during the
 reporting period.

05/05/2006 --
 Assessment Plan to be
 reviewed and revised.

No

The summative
 assessment was a final
 project in Capstone,
 ETDE 2606. However,
 it is not covered in this
 reporting period.

TYPE: Problem /
 Limitation

Objective: **ETDE Technical Program Objective 2: Diversity** - Apply interpersonal and leadership skills that value diversity among people and promote the achievement of personal and industry goals. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| The faculty and staff of the | 80% of all Electrical/Electronics | Students will complete a robo lab | Data gathered will be used to make |

| | | | |
|--|--|---|---|
| <p>Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>graduates will demonstrate their ability to apply interpersonal and leadership skills in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>competition. Course was not specified.</p> | <p>inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|--|---|---|

| | | | |
|---|--|---|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to apply interpersonal and research skills in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>Students will complete a capstone project.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|--|---|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|--|-----------|-----------|
| <p>05/05/2006 -- ETDE Technical Program Objective 2: Diversity -</p> | <p>05/05/2006 -- To be addressed MAY 2006</p> | | <p>No</p> |

Formative and
Summative

DESCRIPTION: The formative assessment was a Robo Lab competition. However, this data was not collected and reported.

The summative assessment was the Capstone project, which is not reported in this period.

TYPE: Problem /
Limitation

Objective: **ETDE Technical Program Objective 3: Safety** - Follow safety policies and procedures as defined by industry [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|--|--|--|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review | 80% of all Electrical/Electronics graduates will demonstrate their ability to follow safety policies and | Students will complete a skills based writing exam. Course is not specified. | Data gathered will be used to make inferences about the program effectiveness by content area. |

the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

procedures in the field of Electrical/Electronics with an accuracy of 74% (or higher).

Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Electrical/Electronics graduates will demonstrate their ability to follow safety policies and procedures in the field of Electrical/Electronics with an accuracy of 74% (or higher).

No summative measure was selected at the time

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|---|-----------|----------|
| <p>05/05/2006 -- ETDE Technical Program Objective 3: Safety DESCRIPTION: The ETDE Assessment Plan specified that the formative assessment</p> | <p>05/05/2006 -- To be addressed with faculty and Advisors May 2006.</p> | | No |

would be a skills based writing exam; however, no course or schedule was specified.

The summative assessment was not specified at this time.

TYPE: Problem /
Limitation

Objective: **ETDE Technical Program Objective 4: DC Circuits** - Demonstrate the application of basic electrical principles through the analysis of DC circuits using appropriate testing equipment [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the | 80% of all Electrical/Electronics graduates will demonstrate their ability to analyze DC circuits in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings |

curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

form.

The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Electrical/Electronics graduates will demonstrate their ability to analyze DC circuits in the field of Electrical/Electronics with an accuracy of 74% (or higher).

Students will complete a Principles final.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|---|-----------|----------|
| <p>05/05/2006 -- ETDE Technical Program Objective 4: DC Circuits DESCRIPTION: No formative assessment was established for this objective during the reporting period.</p> | <p>05/05/2006 -- The Assessment Plan will be reviewed and revised during May 2006.</p> | | No |

The summative assessment was the final

exam in the principles course, ETDE 2113. No student from the Fall 2003 cohort took this course during the reporting period. Two students from the Fall 2004 cohort took this course with one meeting or exceeding the benchmark.

TYPE: Problem / Limitation

Objective: **ETDE Technical Program Objective 5: AC Circuits** - Demonstrate the application of basic electrical practices of electro-magnetic devices through the analysis of AC circuits. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to | 80% of all Electrical/Electronics graduates will demonstrate their ability to analyze AC circuits in the field of Electrical/Electronics with an accuracy of | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up |

determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

74% (or higher).

findings will be documented on TracDat's Findings form.

The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Electrical/Electronics graduates will demonstrate their ability to analyze AC circuits in the field of Electrical/Electronics with an accuracy of 74% (or higher).

Students will complete a Practices exam

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--|-----------|----------|
| <p>05/05/2006 -- ETDE Technical Program Objective 5: AC Circuits DESCRIPTION: No formative assessment was established for this objective during the reporting period.</p> | <p>05/05/2006 -- Assessment Plan to be reviewed and revised May 2006.</p> | | No |

The summative assessment was an exam designed for the Practices course work. This data was not collected and analyzed.
TYPE: Problem / Limitation

Objective: **ETDE Technical Program Objective 6: Motor Control Systems -**
 Analyze design and build and troubleshoot motor control systems.
[\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the | 80% of all Electrical/Electronics graduates will demonstrate their ability to analyze motor control systems in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Electrical/Electronics graduates will demonstrate their ability to analyze motor control systems in the field of Electrical/Electronics with an accuracy of 74% (or higher).

Students will complete a mortar control final.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--------------|-----------|----------|
| <p>05/05/2006 -- ETDE Technical Program Objective 6: Motor Control Systems DESCRIPTION: No formative assessment was established for this objective during the reporting period.</p> | | | Yes |

The summative assessment was the final exam in Motor Controls,

ETDE 1343. Four of four (100%) of students from the Fall 2004 cohort met or exceeded this benchmark. No student from the Fall 2003 cohort took the course during the reporting period.

TYPE: Distinction / Strength

Objective: **ETDE Technical Program Objective 7: Digital Circuits - Analyze design build and troubleshoot digital circuits** [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the | 80% of all Electrical/Electronics graduates will demonstrate their ability to analyze digital circuits in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings |

curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

form.

The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Electrical/Electronics graduates will demonstrate their ability to analyze digital circuits in the field of Electrical/Electronics with an accuracy of 74% (or higher).

Students will complete a Digital exam

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|--------------|-----------|----------|
| <p>05/05/2006 -- ETDE Technical Program Objective 7: Digital Circuits</p> <p>DESCRIPTION: No formative assessment was established for this objective during the reporting period.</p> | | | Yes |

The summative assessment was the final

exam in ETDE 1373
 Digital Systems &
 Microcontrollers. Two
 of two students in the
 Fall 2004 cohort met or
 exceeded the
 benchmark.
TYPE: Distinction /
 Strength

Objective: **ETDE Technical Program Objective 8: Wiring** - Demostate industrial and commercial safety and wiring methods and equipment.
[\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data whic has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|---|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data whic has been collected to determine if any adjustments need to be made to the curriculum, the | 80% of all Electrical/Electronics graduates will demonstrate their ability to understand wiring in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

| | | | |
|---|--|--|--|
| <p>The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Electrical/Electronics graduates will demonstrate their ability to understand wiring in the field of Electrical/Electronics with an accuracy of 74% (or higher).</p> | <p>Students will complete a Industrial Electrical final.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|--|--|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|--|-----------|------------|
| <p>05/05/2006 -- ETDE Technical Program Objective 8: Wiring - Formative and Summative DESCRIPTION: No formative assessment was established for this time period.</p> | <p>05/05/2006 -- Faculty will review to determine why students numbers are low.</p> | | <p>Yes</p> |

The summative assessment was the final exam in Industrial

Electrical Systems,
 ETDE 1333. Three of
 three students in the Fall
 2004 cohort met or
 exceeded the
 benchmark.

TYPE: Distinction /
 Strength

Objective: **ETDE Technical Program Objective 9: Logic Control Systems -**
 Analyze, design, program and troubleshoot programmable Logic
 Controllers. [\[Hide Objective Detail\]](#)

Programs: Electrical/Electronics

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Electrical/Electronic program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|---|--|---|
| The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods | 80% of all Electrical/Electronics graduates will demonstrate their ability to analyze logic control systems in the field of Electrical/Electronics with an accuracy of 74% (or higher). | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

The faculty and staff of the Electrical/Electronics program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Electrical/Electronics graduates will demonstrate their ability to analyze logic control systems in the field of Electrical/Electronics with an accuracy of 74% (or higher).

Students will complete a Intro to Programmable Logic Controller final

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|---|-----------|----------|
| <p>05/05/2006 -- ETDE Technical Program Objective 9: Logic Control Systems DESCRIPTION: No formative assessment was established for this objective during the reporting period.</p> <p>The summative assessment was the final exam in ETDE 2123 - PLC Applications. SCT</p> | <p>05/05/2006 -- Faculty to discuss with Division Chair a reliable reporting schedule.</p> | | No |

shows no record of this course being offered during the reporting period.

TYPE: Problem / Limitation

Objective: **ETDG Core Objective 1: Communication** - Effectively communicate electronically, verbally, and in writing [\[Hide Objective Detail\]](#)

Programs: Engineering Graphics and Design Drafting

Start Date: 09/06/2004

End Date: 05/05/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Engineering Graphics and Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ENGL 1113** - Freshman Composition I
ENGL 1213 - Freshman Composition II
ETDG 1193 - Applied AutoCAD
SPCH 1113 - Introduction to Speech Communications

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|--|--|---|
| Faculty will review demonstrations, printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to Communicate in the field of Design | 80% of all Design Drafting graduates will demonstrate their ability to communicate in the field of DesignDrafting with an accuracy of 74% (or higher). | Students will provide printed and electronically stored copies of required samples of writing and presentations in ENGL 1113 Freshman Comp I (Portfolio and Essay), ENGL 1213 Freshman Comp II | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings |

Drafting

(Research Paper),
SPCH 1113 Intro to
Speech (Persuasive
Speech) to be
evaluated by
Communications
faculty in each
Communications
course.

Faculty will review
demonstrations,
printed and
electronically stored
copies of samples of
problem solutions to
determine if students
have demonstrated
their ability to
Communicate in the
field of Graphic
Design

80% of all Graphic
Design graduates
will demonstrate
their ability to
communicate in the
field of Graphic
Design with an
accuracy of 74% (or
higher).

Students will provide
a portfolio of
comprehensive
assignments and
exams in ETDG
1193- Applied Auto
CAD

Data gathered will be
used to make
inferences about the
program
effectiveness by
content area.
Observations, actions
taken, and follow-up
findings will be
documented on
TracDat's Findings
form.

Findings

Finding

Action Taken

Follow-Up

Resolved

08/26/2006 -- Core
Objective 1 -
Communication 2004
Cohort Summative
DESCRIPTION: The
summative assessment
for Communication is
70% or higher on a fly-
through presentation of
a finished building
design in ETDG 2683
Commercial
Architecture. This
course was offered
during the Summer
semester and is not
reported in this annual
report due to the change
in reporting periods to
align with the Regents

Yes

reporting period.

TYPE: Problem /
Limitation

NOTES:

Communication will be
summatively assessed
for the next Engineering
Cohort.

08/26/2005 -- Core
Objective 1 -
Communication 2004
Cohort Formative
DESCRIPTION: Using
the data collected from
SCT, we have found
that 85% of program
majors in the 2004 Fall
Freshman cohort who
took these assessments
achieved the
recommended level of
performance. Within the
2003 Cohort, all five
students who took this
assessment during either
dropped without
withdrawing or failed
the assessment during
this same period (their
Sophomore year).

In the 2004 Fall
Freshman cohort, 92%
of the non-declared
ETD majors passed
these assessments, and
100% of the 2003 non-
declared ETD majors
passed.

TYPE: Distinction /
Strength

NOTES: The data
suggest that ETDG
students are performing

03/29/2006 --
Assessment records
show that 4 of 6
Freshman achieved the
standard
communication
proficiency for
Freshman Comp I.
These data will be
reviewed for the
graduating class. At
this time the two
students who did not
meet the benchmark
are not necessarily on
graduation track.

Yes

to expectations with respect to formative achievement of Communication. Those who did not pass the assessment and achieve appropriate levels of competence with respect to assessment of Communication, are those who wait to take Freshman Comp I until their Sophomore year. These data indicate special attention is needed for the five sophomores; however, no programmatic action is indicated at this time.

Objective: **ETDG Core Objective 2: Problem Solving** - Demonstrate logical, systematic problem-solving techniques. [\[Hide Objective Detail\]](#)

Programs: Engineering Graphics and Design Drafting

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Graphic Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ETDG 1143** - Introduction to Design/Drafting
MATH 1513 - College Algebra
MATH 1613 - Trigonometry

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---------------------|--------------------|---------------|-----------------------|
| Faculty will review | 80% of all Graphic | Students will | Data gathered will be |

| | | | |
|--|--|---|---|
| demonstrations, printed and electronically stored copies of samples of problem solving solutions to determine if students have demonstrated their ability to utilize logical, systematic problem-solving techniques. | Design graduates will demonstrate their ability to demonstrate logical, systematic problem-solving techniques with an accuracy of 74% (or above). | complete a portfolio of written assignments and exams in MATH 1513 College Algebra. | used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| Faculty will review demonstrations, printed and electronically stored copies of samples of problem solving solutions to determine if students have demonstrated their ability to utilize logical, systematic problem-solving techniques. | 80% of all Graphic Design graduates will demonstrate their ability to demonstrate logical, systematic problem-solving techniques with an accuracy of 74% (or above). | Students will complete a portfolio of written assignments and exams in MATH 1613 Trigonometry | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|--------------|-----------|----------|
| 09/06/2005 -- ETDG Core Objective 2: Problem Solving Summative DESCRIPTION: The summative assessment for Problem Solving is 70% or higher on final lab assignment in ETDG 2623, Building Structures. This course was offered in the summer semester and will be reported on in the next reporting period. | | | Yes |

TYPE: Problem /
Limitation

NOTES: This
summative assessment
will be measured in the
next reporting cycle.

05/06/2005 -- ETDG

No

Core Objective 2:

Problem Solving

Formative

DESCRIPTION: For
the Formative
assessment of the Fall
2004 Cohort, 2 of 3 or
67% of program majors
passed the program
assessment for problem
solving in College
Algebra, MATH 1513.
For the ETD students
who have selected
Engineering Technology
as their academic
division but have not yet
selected a specific
major, 5 of 6 or 83%
passed the formative
assessment for problem
solving, and 5 of 6 or
83% also passed the
assessment for
Trigonometry, MATH
1613.

Although the Fall 2003
Cohort was expected to
have completed the
course work in which
these objectives are
assessed during their
Freshman year, one
student in this cohort
took during their
Sophomore year and did

not pass this assessment.

These results suggest that

TYPE: Problem / Limitation

NOTES: Twelve of 16 students or 75% achieved the recommended problem solving benchmark. Of the four students who did not, three or 75% of these are as yet undecided majors. Program commitment may factor into success rates. Summative assessments of graduates will be used to determine if 80% of graduates, the College benchmark, is being achieved.

| | |
|------------------------|---|
| Objective: | ETDG Core Objective 3: Ethics - Develop and display a sense of personal, social and professional work ethics. [Hide Objective Detail] |
| Programs: | Engineering Graphics and Design Drafting |
| Start Date: | 09/06/2004 |
| End Date: | 05/06/2005 |
| Status: | Open |
| Assessment Evaluation: | The faculty and staff of the Engineering Graphics and Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report. |
| Related Courses: | ETD 2411 - Employment Exploration PHIL 1213 - Ethics |

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|--|---|
| Faculty will review the required Code of Ethics Analysis assignment and reflective essay, as well as, printed and electronically stored copies of "required" samples of applied personal, social and professional ethics in the documentation of solutions to projects and or case studies to determine if students have demonstrated their ability to display a sense of personal, social and professional work ethics. | 80% of all Graphic Design graduates will demonstrate their ability to demonstrate logical, systematic problem-solving techniques with an accuracy of 74% (or above). | Students will create a Reflective Essay which reflects the application of ethical principles to their discipline and is completed and evaluated in Ethics PHIL 1213. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| Faculty will review demonstrations, printed and electronically stored copies of samples of ethical evidence to determine if students have demonstrated their ability to access and use technology appropriate for the various Graphic Design functions within an organization. | 80% of all Culinary graduates will have demonstrated personal, social and professional ethics 74% (or above) by the time of internship as assessed by their Internship Evaluation | Students will complete an employment exploration in the Employment seminar in ETD2411- Employment Exploration. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--------------|-----------|----------|
| 05/01/2006 -- ETDG Core Objective 3: Ethics Formative | | | No |

DESCRIPTION: No ETDG program major shows on the SCT assessment results as having taken PHIL 1213, Ethics, or its associated assessment.

TYPE: Problem / Limitation

NOTES: This will be assessed formatively with the next Cohort.

05/01/2006 -- ETDG Core Objective 3: Ethics Summative

No

DESCRIPTION: The pre-internship portfolio was selected as the assessment for this objective. Data collection was still in flux for this reporting period and is not provided in this report.

TYPE: Problem / Limitation

NOTES: Faculty are reviewing and revising the assessment plan for this program during Summer 2006 semester to align objectives with ABET criteria. The summative assessment of Core Objective 3 "Ethics" will be determined at this time.

Objective: **ETDG Core Objective 4: History & government** - Explain the cultural heritage and primary element of the history and government

of the U.S. and its people, especially as it impacts one's industry or field of study. [\[Hide Objective Detail\]](#)

Programs: Engineering Graphics and Design Drafting
 Start Date: 09/06/2004
 End Date: 05/06/2005
 Status: Open
 Assessment Evaluation: The faculty and staff of the Graphic Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.
 Related Courses: **ETDG 1253** - Technical Drawing
HIST 1483 - U.S. History to 1865
HIST 1493 - U.S. History Since 1865
POLS 1113 - U.S. Government

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--|---|---|
| Faculty will review demonstrations, printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts the Graphics Design discipline. | 80% of all Graphic Design graduates will demonstrate their ability to explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts the discipline of Graphic Design with an accuracy of 74% (or above). | Students will complete a portfolio of assignments and exams in HIST 1483 US History to 1865, HIST 1493 US History Since 1865, or POLS 1113 US Government. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| Faculty will review demonstrations, printed and electronically stored copies of samples of history and | 80% of all Graphic Design graduates will demonstrate their ability to explain the cultural heritage and primary | Students will complete a final proficiency exam measuring knowledge of Technical Drawing | Data gathered will be used to make inferences about the program effectiveness by content area. |

government solutions to determine if students have demonstrated their ability to explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts the graphics design discipline.

elements of the history and government of the U.S. and its people, especially as it impacts the Graphic Design discipline, with an accuracy of 74% (or above).

research project in ETDG 1253 Technical Drawing.

Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|--------------|-----------|----------|
| <p>05/01/2006 -- Core Objective 4 - History and Government Formative</p> <p>DESCRIPTION: One of two ETDG students from the Fall 2004 Freshman Cohort passed or exceeded the assessment for this objective in HIST 1483 or 1493. No other students in this cohort or Fall 2003 were enrolled in the course work.</p> <p>No ETDG student waited to take these courses and their subsequent assessments their Sophomore year.</p> <p>TYPE: Problem / Limitation</p> <p>NOTES: Faculty will review the formative results for this objective with the next cohort.</p> | | | No |

05/01/2006 -- Core
Objective 4 - History
and Government
Summative

No

DESCRIPTION: Five
of five students who
took POLS 1113 passed
this summative
assessment.

TYPE: Distinction /
Strength

NOTES: ETDG faculty
have set the POLS 1113
course as the schedule
for the summative
assessment because it
was thought that
students often take it
during their Sophomore
year. This assessment
and schedule will be
reviewed during the
Summer 2006 semester.

Objective: **ETDG Core Objective 5: Technology** - Access and use technology appropriate to one's industry or field of study. [\[Hide Objective Detail\]](#)

Programs: Engineering Graphics and Design Drafting

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Graphic Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ETDG 1193** - Applied AutoCAD
ETDG 1323 - CAD Customization

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|---|---|
| Faculty will review demonstrations, printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to access and use technology appropriate for the various Graphic Design functions within an organization. | 80% of all Graphic Design graduates will access and use technology appropriate for the various Graphic Design functions within an organization with an accuracy of 74% (or above). | Students will complete a portfolio of assignments and exams in Intro to Design Drafting ETDG 1193 Applied AutoCAD | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| Faculty will review demonstrations and student examples of applied principles, and printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to access and use technology appropriate for the various Graphic Design functions within an organization. | 80% of all Graphic Design graduates will demonstrate their ability to access and use technology appropriate to the discipline of Graphic Design with an accuracy of 74% (or above). | Students will complete a portfolio of projects and exams in ETDG 1323 CAD Customization. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--------------|-----------|----------|
| 05/01/2006 -- re Objective 5 - Technology Formative DESCRIPTION: One of four ETDG students (25%) completed this assessment at the | | | No |

benchmark level of performance or higher.

TYPE: Problem /
Limitation

NOTES: It is conjectured that the 75% of ETDG students who did not meet the assessment benchmark actually did not take the assessment, dropping the course without withdrawing and accruing a failing grade. Because this assessment takes place in College Cornerstone, a first semester course, this is a problematic schedule of formative assessment.

05/01/2006 -- Core
Objective 5 -
Technology Summative

No

DESCRIPTION:

ETDG 2661, Intro to Surveying, was not offered during this reporting period.

TYPE: Problem /
Limitation

NOTES: The next cohort will be observed for this assessment.

Objective: **ETDG Technical Program Objective 1: Mathematical Problem Solving** - Apply mathematical techniques to solve problems in Physical Science and Engineering [\[Hide Objective Detail\]](#)

Programs: Engineering Graphics and Design Drafting

Start Date: 09/06/2004

End Date: 05/06/2005
 Status: Open
 Assessment Evaluation: The faculty and staff of the Graphic Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ETDG 2503** - Statics

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|--|---|
| Faculty will review demonstrations and student examples of applied principles, and printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to perform mathematical techniques in physical science and engineering. | 80% of all Graphic Design graduates will demonstrate their ability to apply mathematical techniques in physical science and engineering with an accuracy of 74% (or above). | Students will complete a mid-term exam in statics ETDG 2503. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| The faculty and staff of the Graphic Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the | 80% of all Graphic Design graduates will demonstrate their ability to apply mathematical techniques in physical science and engineering with an accuracy of 74% (or above). | Students will complete a final exam in Statics ETDG 2503. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

annual assessment
report.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--------------|-----------|----------|
| <p>05/04/2006 -- ETDG Technical Program Objective 1: Mathematical Problem Solving Formative DESCRIPTION: Formative assessment of this technical objective is the final exam in Statics, ETDG 2503. From the Fall 2004 Freshman cohort, only one student took this class and did not evidence performance at the benchmark level. TYPE: Problem / Limitation NOTES: Observations of the next cohort will be reviewed this summer.</p> | | | No |
| <p>05/04/2006 -- ETDG Technical Program Objective 1: Mathematical Problem Solving Summative DESCRIPTION: Summative assessment of this objective is the final exam in Strengths of Materials, ETDG 2513. This course was not offered during this reporting period. TYPE: Problem / Limitation NOTES: The next</p> | | | No |

cohort will be
 summatively assessed
 for this objective.

Objective: **ETDG Technical Program Objective 2: CAD** - Use Cad to create a complex drawing according to standard drafting practices including the use of layers and drawing set up features as they relate to Designing Drafting [\[Hide Objective Detail\]](#)

Programs: Engineering Graphics and Design Drafting

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Graphic Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ETDG 1143** - Introduction to Design/Drafting
ETDG 1253 - Technical Drawing

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|--|---|
| Faculty will review demonstrations and student examples of applied principles, and printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to create technical drawings. | 80% of all Graphic Design graduates will demonstrate their ability to create technical drawings with an accuracy of 74% (or above). | Students will complete a floor plan tutorial in intro design drafting ETDG 1143. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| Faculty will review demonstrations and student examples of applied principles, | 80% of all Graphic Design graduates will demonstrate their ability to use | Students will complete a working drawing assembly project in ETDG | Data gathered will be used to make inferences about the program |

and printed and electronically stored copies of samples of problem solutions to determine how well students use CAD.

CAD with an accuracy of 74% (or above).

1253 Technical Drawing.

effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|--------------|-----------|----------|
| <p>05/04/2006 -- ETDG Technical Program Objective 2: CAD Formative DESCRIPTION: The formative assessment for this objective is the final project in ETDG 1193 Applied AutoCAD. This course was not offered during this reporting period. TYPE: Problem / Limitation NOTES: Will review next cohort.</p> | | | No |
| <p>05/04/2006 -- ETDG Technical Program Objective 2:CAD Summative DESCRIPTION: The summative assessment for this objective was the final project in ETDG 1323 CAD Customization. It was not offered during this reporting period. TYPE: Problem / Limitation NOTES: Will review next cohort.</p> | | | No |

Objective: **ETDG Technical Program Objective 3: Estimates** - Perform quantity estimates and calculations as they pertain to design drafting
[\[Hide Objective Detail\]](#)

Programs: Engineering Graphics and Design Drafting

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Graphic Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ETDG 2663** - Civil Technology Applications

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|---|--|--|
| Faculty will review demonstrations and student examples of applied principles, and printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to perform quantity estimates and calculations in design drafting. | 80% of all Graphic Design graduates will demonstrate their ability to perform quantity estimates and calculations with an accuracy of 74% (or above). | Students will complete a cut and fill project in civil applications ETDG 2663. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form |
| Faculty will review demonstrations and student examples of applied principles, and printed and electronically stored | 80% of all Graphic Design graduates will demonstrate their ability to perform quantity estimates and | Students will complete a final project in CIVIL Applications ETDG 2663. | Data gathered will be used to make inferences about the program effectiveness by content area. |

copies of samples of calculations with an accuracy of 74% (or above).
 problem solutions to determine if students have demonstrated their ability to perform quantity estimates and calculations.

Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--------------|-----------|----------|
| <p>05/04/2006 -- ETDG Technical Program Objective 3: Estimates - Formative DESCRIPTION: Formative assessment of this technical objective is the final exam in ETDG 1143 Intro to Design/Drafting. Five of five students in the Fall 2004 Freshman cohort were enrolled in this course during the reporting period. None passed this assessment.</p> <p>It is not clear why none of the five students passed this assessment. Rather than backtrack for explanation, Design Drafting faculty will observe the next cohort and review.</p> <p>TYPE: Problem / Limitation NOTES: Will review results of next cohort.</p> | | | No |
| <p>05/04/2006 -- ETDG Technical Program Objective 3: Estimates -</p> | | | No |

Summative

DESCRIPTION: The summative assessment for this objective is the final project in ETDG 2293 Mechanical Design. This course and its assessment were not offered during the reporting period.

TYPE: Problem / Limitation

NOTES: Will review the next cohort.

Objective: **ETDG Technical Program Objective 4: Land Law and Mapping -**
To use principles of Land Law and Mapping to manipulate of land for the purpose of Design Drafting. [\[Hide Objective Detail\]](#)

Programs: Engineering Graphics and Design Drafting

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Graphic Design program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Related Courses: **ETDG 2663** - Civil Technology Applications

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|--|--|--|
| Faculty will review printed and electronically stored copies of samples of Land Law and Mapping projects to determine if students | 80% of all Graphing and Design will demonstrate their ability to use Land Law and Mapping principles with an accuracy of 74% (or | Students will complete a traverse plot in CIVIL applications ETDG 2663 | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions |

have demonstrated their ability to use these principles effectively.

above).

taken, and follow-up findings will be documented on TracDat's Findings form.

Faculty will review printed and electronically stored copies of samples of Land Law and Mapping projects to determine if students have demonstrated their ability to use these principles effectively.

80% of all Graphic Design graduates will demonstrate their ability to apply principles of Land Law and Mapping with an accuracy of 74% (or above).

Students will complete a final project in CIVIL application ETDG 2663.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--------------|-----------|----------|
| <p>05/04/2006 -- ETDG Technical Program Objective 4: Land Law and Mapping - Formative</p> <p>DESCRIPTION: The Formative assessment for this objective was the final project in ETDG 1253 Technical Drawing. It was not offered during this reporting period.</p> <p>TYPE: Problem / Limitation</p> <p>NOTES: Will review with next cohort.</p> | | | No |
| <p>05/04/2006 -- ETDG Technical Program Objective 4: Land Law and Mapping - Summative</p> | | | No |

DESCRIPTION: The summative assessment for this objective was the final project in ETDG 2643 Parametric Drafting & Design, and was not offered during this reporting period.

TYPE: Problem / Limitation

NOTES: Will be reviewed next reporting period.

Objective: **ETDM Core Objective 1: Communication** - Effectively communicate electronically, verbally, and in writing [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date:

End Date:

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--|--|--|
| The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to | 80% of all Manufacturing graduates will demonstrate their ability to communicate in the field of Manufacturing with an accuracy of 74% | Students will provide printed and electronically stored copies of required samples of writing and presentations in ENGL 1033, ENGL 1113 Freshman Comp I (Portfolio | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be |

| | | | |
|---|---------------------|--|---|
| <p>be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>(or higher).</p> | <p>and Essay), ENGL 1213 Freshman Comp II (Research Paper), SPCH 1113 Intro to Speech (Persuasive Speech) to be evaluated by Communications faculty in each Communications course.</p> | <p>documented on TracDat's Findings form.</p> |
|---|---------------------|--|---|

| | | | |
|--|--|--|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to communicate in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>Students will complete a technical report and presentation in Capstone.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|--|--|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--------------|-----------|-----------|
| <p>05/05/2006 -- ETDM Core Objective 1: Communication - Formative and Summative DESCRIPTION: Three of three ETDM majors met or exceeded the formative assessment of Communication in ENGL 1113, Freshman</p> | | | <p>No</p> |

Comp I.

The summative assessment was a final exam in ETDM 2463 Advanced CNC Machine Operation, which was not offered during the reporting period.

TYPE: Distinction / Strength

Objective: **ETDM Core Objective 2: Problem Solving** - Demonstrate logical, systematic problem-solving techniques. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|---|---|--|
| The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the | 80% of all Manufacturing graduates will demonstrate their ability to problem solve in the field of Manufacturing with an accuracy of 74% (or higher). | Students will complete a portfolio of assignments and exams in College Algebra MATH 1513 and Trigonometry MATH 1613 | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on |

curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

TracDat's Findings form.

The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Manufacturing graduates will demonstrate their ability to problem solve in the field of Manufacturing with an accuracy of 74% (or higher).

Students will complete a team based applied research project in Capstone.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--|-----------|----------|
| <p>05/05/2006 -- ETDM Core Objective 2: Problem Solving - Formative and Summative</p> <p>DESCRIPTION: One of two ETDM students met or exceeded the formative assessment requirement in MATH 1513, College Algebra.</p> | <p>05/05/2006 -- ETDM faculty will meet with Assessment director and the ETD Division Chair during the summer 2006 semester to review and revise the assessment plan.</p> | | No |

No summative

assessment was established for this reporting period.

TYPE: Problem / Limitation

Objective: **ETDM Core Objective 3: Ethics** - Develop and display a sense of personal, social and professional work ethics. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|--|--|---|
| The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the | 80% of all Manufacturing graduates will demonstrate their ability to display ethics standards in the field of Manufacturing with an accuracy of 74% (or higher). | Students will create a Reflective Essay which reflects the application of ethical principles to their discipline and is completed and evaluated in Ethics PHIL 1213. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

annual assessment report.

| | | | |
|---|---|--|--|
| <p>Faculty will review the required Code of Ethics Analysis assignment and reflective essay, as well as, printed and electronically stored copies of "required" samples of applied personal, social and professional ethics in the documentation of solutions to projects and or case studies to determine if students have demonstrated their ability to display a sense of personal, social and professional work ethics.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to demonstrate ethical standards with an accuracy of 74% (or above).</p> | <p>No course was selected at the time.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|---|---|--|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--|-------------------------------|-----------|
| <p>05/05/2006 -- ETDM Core Objective 3: Ethics - Formative and Summative DESCRIPTION: No ETDM students took the Ethics course during this time period. No summative measure was established for this period either.</p> | <p>05/05/2006 -- ETDM faculty will meet with Assessment director and the ETD Division Chair during the summer 2006 semester to review and revise the assessment plan.</p> | <p>No findings to report.</p> | <p>No</p> |
| <p>TYPE: Problem / Limitation</p> | | | |

Objective: **ETDM Core Objective 4: History & government** - Explain the cultural heritage and primary element of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|---|---|
| Faculty will review the required Code of Ethics Analysis assignment and reflective essay, as well as, printed and electronically stored copies of "required" samples of applied personal, social and professional ethics in the documentation of solutions to projects and or case studies to determine if students have demonstrated their ability to display a sense of personal, social and professional work ethics. | 80% of all Manufacturing graduates will demonstrate their ability to understand cultural impact with an accuracy of 74% (or above). | Students will complete a portfolio of assignments and exams in HIST 1483 US History to 1865, HIST 1493 US History Since 1865, or POLS 1113 US Government. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| Faculty will review demonstrations, printed and electronically stored | 80% of all Graphic Design graduates will demonstrate their ability to | No course was selected at the time. | Data gathered will be used to make inferences about the program |

copies of samples of problem solutions to determine if students have demonstrated their ability to explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts the Graphics Design discipline.

effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--|-----------|----------|
| <p>05/05/2006 -- ETDM Core Objective 4: History & Government DESCRIPTION: No ETDM student took a history or government course during the reporting period for formative assessment.</p> <p>No summative assessment was established for this objective during this reporting period.</p> <p>No findings to report for this objective. TYPE: Problem / Limitation</p> | <p>05/05/2006 -- ETDM faculty will meet with Assessment director and the ETD Division Chair during the summer 2006 semester to review and revise the assessment plan.</p> | | No |

Objective: **ETDM Core Objective 5: Technology** - Access and use technology appropriate to one's industry or field of study [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies
 Start Date: 09/06/2004
 End Date: 05/06/2005
 Status: Open
 Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|---|---|---|
| Faculty will review demonstrations, printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to access and use technology appropriate for the various Graphic Design functions within an organization. | 80% of all Manufacturing graduates will access and use technology appropriate for the various Graphic Design functions within an organization with an accuracy of 74% (or above). | Students will complete a drafting contest drawing. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |
| Faculty will review demonstrations, printed and electronically stored copies of samples of problem solutions to determine if students have demonstrated their ability to access and use technology appropriate for the various Graphic Design functions within an organization. | 80% of all Graphic Design graduates will access and use technology appropriate within an organization with an accuracy of 74% (or above). | Students will complete a Civil, Architechural and Mechanical drawing project. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form. |

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--|-----------|----------|
| <p>05/05/2006 -- ETDM Core Objective 5: Technology - Formative and Summative DESCRIPTION: The formative assessment was a drafting contest drawing. The summative assessment was a Civil, Architectural and Mechanical drawing project. No data were collected/are available.</p> <p>No findings to report this period. TYPE: Problem / Limitation</p> | <p>05/05/2006 -- ETDM faculty will meet with Assessment director and the ETD Division Chair during the summer 2006 semester to review and revise the assessment plan.</p> | | No |

Objective: **ETDM Technical Program Objective 1: Teaming** - Work effectively as part of a team. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--------|-----------|----------|-------------|
|--------|-----------|----------|-------------|

| | | | |
|--|---|---|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to team in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>Students will complete a Robo Lab competition in 1st semester.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|---|---|--|

| | | | |
|--|---|--|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to team in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>Students will complete a team based applied research project in capstone.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|---|--|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|---|-----------|-----------|
| <p>05/05/2006 -- ETDM Technical Program Objective 1: Teaming -</p> | <p>05/05/2006 -- ETDM faculty will meet with</p> | | <p>No</p> |

Formative and Summative

DESCRIPTION: The formative assessment was a Robo Lab competition. However, this data was not collected.

Assessment director and the ETD Division Chair during the summer 2006 semester to review and revise the assessment plan.

The summative assessment was a team-based applied research project in Capstone. However, this course was not offered during the reporting period.

No findings to report
TYPE: Problem / Limitation

Objective: **ETDM Technical Program Objective 10: Standard Programming -** Program and verify tool path for various parts using standard programming codes and cam software to produce parts on typical CNC machines. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or the data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--------|-----------|----------|-------------|
|--------|-----------|----------|-------------|

| | | | |
|--|--|---|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to conduct stand programming in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>No formative measure was selected at the time.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|--|---|--|

| | | | |
|--|---|--|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all conduct standard programming in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>Students will complete maufacturing projects.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|---|--|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|---|-----------|-----------|
| <p>05/05/2006 -- ETDM Technical Program Objective 10: Standard</p> | <p>05/05/2006 -- ETDM faculty will meet with</p> | | <p>No</p> |

Programming -
Formative and
Summative

DESCRIPTION: No
formative measure was
selected at this time.

Assessment director
and the ETD Division
Chair during the
summer 2006 semester
to review and revise
the assessment plan.

The summative measure
consisted of a collection
of unspecified
manufacturing projects.
Data were not collected.

No findings to report.

TYPE: Problem /
Limitation

Objective: **ETDM Technical Program Objective 11: Manufacturing Processes**
- Use various methods and resources to research and determine
solutions for manufacturing processes. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment
Evaluation: The faculty and staff of the Manufacturing program will meet each
year, beginning in 2005, to review the data which has been collected to
determine if any adjustments need to be made to the curriculum, the
assessment methods or the data gathering processes related to this
objective. The resulting actions will be documented in the annual
assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|--|--|
| The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review | 80% of all Manufacturing graduates will demonstrate their ability to understand | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by |

the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

processes in the field of Manufacturing with an accuracy of 74% (or higher).

content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Manufacturing graduates will demonstrate their ability to understand processes in the field of Manufacturing with an accuracy of 74% (or higher).

Students will complete manufacturing projects.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

Finding

Action Taken

Follow-Up

Resolved

05/05/2006 -- ETDM
 Technical Program
 Objective 11:
 Manufacturing
 Processes
DESCRIPTION: No
 formative measure was
 selected and reported in
 the Assessment Plan.

05/05/2006 -- ETDM
 faculty will meet with
 Assessment director
 and the ETD Division
 Chair during the
 summer 2006 semester
 to review and revise
 the assessment plan.

No

The summative measure
 was a collection of
 unspecified
 manufacturing projects.
 Data were not collected
 or reported.

No findings to report.

TYPE: Problem /
 Limitation

Objective: **ETDM Technical Program Objective 12: CADD drawing files -**
 Import and manipulate existing CADD drawing files to create part
 programs. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment
 Evaluation: The faculty and staff of the Manufacturing program will meet each
 year, beginning in 2005, to review the data which has been collected to
 determine if any adjustments need to be made to the curriculum, the
 assessment methods or the data gathering processes related to this
 objective. The resulting actions will be documented in the annual
 assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--------|-----------|----------|-------------|
|--------|-----------|----------|-------------|

| | | | |
|--|---|---|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to use CADD files in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>No formative measure was selected at the time.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|---|---|--|

| | | | |
|--|---|---|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to use CADD files in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>Students will complete manufacturing projects.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|---|---|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|---|-----------|-----------|
| <p>05/05/2006 -- ETDM Technical Program Objective 12: CADD</p> | <p>05/05/2006 -- ETDM faculty will meet with</p> | | <p>No</p> |

drawing files -
Formative and
Summative

DESCRIPTION: No
formative measure was
selected and reported in
the Assessment Plan.

Assessment director
and the ETD Division
Chair during the
summer 2006 semester
to review and revise
the assessment plan.

The summative measure
was a collection of
unspecified
manufacturing projects.
Data were not collected
or reported.

No findings to report.

TYPE: Problem /
Limitation

Objective: **ETDM Technical Program Objective 2: Diversity** - Apply interpersonal and leadership skills that value diversity among people and promote the achievement of personal and industry goals [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|--------------------------|-------------------------------|------------------------------------|
| The faculty and staff of the Manufacturing | 80% of all Manufacturing | Students will complete a team | Data gathered will be used to make |

program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

graduates will demonstrate their ability to apply interpersonal and leadership skills in the field of Manufacturing with an accuracy of 74% (or higher).

based applied research project in capstone.

inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Manufacturing graduates will demonstrate their ability to apply interpersonal and leadership skills in the field of Manufacturing with an accuracy of 74% (or higher).

Students will complete a robo lab completed in the 1st semester.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|---|-----------|----------|
| 05/05/2006 -- ETDM Technical Program Objective 2: Diveristy - Formative and Summative | 05/05/2006 -- ETDM faculty will meet with Assessment director and the ETD Division | | No |

DESCRIPTION: The summative measure was recorded as a team based project in Capstone and the formative measure was recorded a Robo Lab in the first semester. No data were collected.

Chair during the summer 2006 semester to review and revise the assessment plan.

No findings to report.

TYPE: Problem / Limitation

Objective: **ETDM Technical Program Objective 3: Safety** - Follow safety polices and procedures as defined by industry. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--|---|--|--|
| The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to | 80% of all Manufacturing graduates will demonstrate their ability to follow safety policies and procedures in the field of Manufacturing with | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be |

be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

an accuracy of 74% (or higher).

documented on TracDat's Findings form.

The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Manufacturing graduates will demonstrate their ability to follow safety policies and procedures in the field of Manufacturing with an accuracy of 74% (or higher).

No summative measure was selected at the time.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--|-----------|----------|
| <p>05/05/2006 -- ETDM Technical Program Objective 3: Safety DESCRIPTION: No formative or summative assessments were established in the assessment plan at this time.</p> <p>Incomplete assessment plan.</p> | <p>05/05/2006 -- ETDM faculty will meet with Assessment director and the ETD Division Chair during the summer 2006 semester to review and revise the assessment plan.</p> | | No |

TYPE: Problem /
Limitation

Objective: **ETDM Technical Program Objective 4: Metrology** - Select and use the proper metrology device to perform first article inspection on manufactured products, and validate production run parts. [Hide Objective Detail](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|--------|-----------|----------|-------------|
|--------|-----------|----------|-------------|

| | | | |
|--|---|--|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to understand metrology in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>Students will complete first article inspection manufacturing project</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|---|--|--|

| | | | |
|--|---|--|--|
| <p>The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.</p> | <p>80% of all Manufacturing graduates will demonstrate their ability to understand metrology in the field of Manufacturing with an accuracy of 74% (or higher).</p> | <p>Students will complete setup machines for manufacturing projects.</p> | <p>Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.</p> |
|--|---|--|--|

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|---|---|-----------|-----------|
| <p>05/05/2006 -- ETDM Technical Program Objective 4: Metrology</p> | <p>05/05/2006 -- ETDM faculty will meet with</p> | | <p>No</p> |

- Formative and Summative
DESCRIPTION: The formative assessment was the first article inspection of a manufacturing project. The summative assessment was a complete machine setup for a project. No data were collected or reported.

Assessment director and the ETD Division Chair during the summer 2006 semester to review and revise the assessment plan.

No findings to report.
TYPE: Problem / Limitation

Objective: **ETDM Technical Program Objective 5: Nondestructive testing -** Explain the use of various means of nondestructive testing to verify product conformance. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|---|--|---|
| The faculty and staff of the Manufacturing program will meet each year, beginning | 80% of all Manufacturing graduates will demonstrate their | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program |

in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

ability to explain nondestructive testing in the field of Manufacturing with an accuracy of 74% (or higher).

effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Manufacturing graduates will demonstrate their ability to explain nondestructive testing in the field of Manufacturing with an accuracy of 74% (or higher).

Students will complete a proper procedure for project verification.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.

Findings

| Finding | Action Taken | Follow-Up | Resolved |
|--|--|-----------|----------|
| <p>05/05/2006 -- ETDM Technical Program Objective 5: Nondestructive testing - Formative and Summative DESCRIPTION: No</p> | <p>05/05/2006 -- ETDM faculty will meet with Assessment director and the ETD Division Chair during the summer 2006 semester</p> | | No |

formative assessment was established in the assessment plan.

to review and revise the assessment plan.

The summative assessment was the completion of a proper procedure for project verification.

No data were collected or reported.

TYPE: Problem / Limitation

Objective: **ETDM Technical Program Objective 6: Cutting Speeds and Feeds**
- Determine and apply proper cutting speeds and feeds for various materials and cutting conditions. [\[Hide Objective Detail\]](#)

Programs: Manufacturing Technologies

Start Date: 09/06/2004

End Date: 05/06/2005

Status: Open

Assessment Evaluation: The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Assessment Methods

| Method | Criterion | Schedule | Action Plan |
|---|---|--|--|
| The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to | 80% of all Manufacturing graduates will demonstrate their ability to apply cutting speeds and feeds in the field of | No formative measure was selected at the time. | Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions |

determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

Manufacturing with an accuracy of 74% (or higher).

taken, and follow-up findings will be documented on TracDat's Findings form.

The faculty and staff of the Manufacturing program will meet each year, beginning in 2005, to review the data which has been collected to determine if any adjustments need to be made to the curriculum, the assessment methods or data gathering processes related to this objective. The resulting actions will be documented in the annual assessment report.

80% of all Manufacturing graduates will demonstrate their ability to apply speeds and feeds in the field of Manufacturing with an accuracy of 74% (or higher).

Students will calculate and implement appropriate speed and feed selections for projects.

Data gathered will be used to make inferences about the program effectiveness by content area. Observations, actions taken, and follow-up findings will be documented on TracDat's Findings form.