

2016-2017 Assessment Cycle

Key Findings

Finding per Measure

▼ **Civil Technology AAS Program Outcome Set**

Understand how to use productivity software to solve technical problems

Student Learning Outcome: Use CAD to produce 2D technical drawings

▼ **Measure:** Engineering Graphics [NCAD-150] - Final Exam
Course level; Direct - Exam

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|---------------------------------|--|
| Details/Description: | Technical Drawing |
| Acceptable Benchmark: | 80% of students will score 75% or better on final exam grade using the scoring guide |
| Implementation Plan (timeline): | Collection: Annually at the end of fall semester. |
| Key/Responsible Personnel: | Data collected by Assessment Coordinator |

Findings for Engineering Graphics [NCAD-150] - Final Exam

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|----------------------|--|
| Summary of Findings: | 100% of the students (no=3) scored 75% or better on the final exam |
| Results: | Acceptable Benchmark Achievement: Exceeded |
| Recommendations : | None |
| Reflections/Notes : | |

Student Learning Outcome: Solve mathematical problems as related to technical drawings

▼ **Measure:** Civil Technology Graphics [NCAD-180] - Final Exam
Course level; Direct - Exam

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|---------------------------------|--|
| Details/Description: | Technical Problem Solving |
| Acceptable Benchmark: | 80% of students will score 75% or better on final exam technical problem solving |
| Implementation Plan (timeline): | Collection: Annually at the end of spring semester |
| Key/Responsible Personnel: | Data collected by Assessment Coordinator |

Findings for Civil Technology Graphics [NCAD-180] - Final Exam

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|----------------------|--|
| Summary of Findings: | 100% of the students (no=3) scored 75% or better on the final exam |
| Results: | Acceptable Benchmark Achievement: Met |
| Recommendations : | None |
| Reflections/Notes : | |

Student Learning Outcome: Develop a simple building model that communicates information for design and construction

▼ **Measure:** Civil Technology Graphics [NCAD-180] - Project
Course level; Direct - Student Artifact

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|----------------------|---------------------------------------|
| Details/Description: | Final CAD model project scoring guide |
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|---------------------------------|---|
| Acceptable Benchmark: | 80% of students will score 75% or better on final CAD model project using the scoring guide |
| Implementation Plan (timeline): | Collection: Annually at the end of spring semester |
| Key/Responsible Personnel: | Data collected by Assessment Coordinator |

Findings for Civil Technology Graphics [NCAD-180] - Project

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|----------------------|---|
| Summary of Findings: | 100% of the students (no=3) scored 75% or better on the final practical |
| Results: | Acceptable Benchmark Achievement: Met |
| Recommendations : | None |
| Reflections/Notes : | |

Prepare for entry to CAST Civil Engineering Technology program

Student Learning Outcome: Demonstrate competency in core technical courses needed to meet admissions requirements into CAST Civil Engineering Technology Program

- ▼ **Measure:** Course Grades & Change of Program Form - Engineering Graphics [NCAD-150], Constr. Matls & Meths [NCAD-255] & Civil Tech Graphics [NCAD-180]

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|---------------------------------|--|
| Details/Description: | Engineering Graphics [NCAD-150], Construction Materials and Methods [NCAD-255], and Civil Technology Graphics [NCAD-180] |
| Acceptable Benchmark: | 75% of students completing the CT degree will achieve a grade of 'C' or better in all three core courses and be accepted into CAST CET program |
| Implementation Plan (timeline): | Collection: Annually at the end of spring semester |
| Key/Responsible Personnel: | Data collected by Assessment Coordinator |

Findings for Course Grades & Change of Program Form -
Engineering Graphics [NCAD-150], Constr. Matls & Meths
[NCAD-255] & Civil Tech Graphics [NCAD-180]

| | |
|----------------------|---|
| Summary of Findings: | 100% of the students (no=3) scored 'C; or better in the three core technical courses. |
| Results: | Acceptable Benchmark Achievement: Met |
| Recommendations : | None |
| Reflections/Notes : | |

Prepare for success in course work required in CAST Civil Engineering Technology program

Student Learning Outcome: Demonstrate competency in analysis of materials

▼ **Measure:** Strength of Materials [MCET-221] - Course Grade

Details/Description:

Acceptable Benchmark: 75% of students will achieve a grade of 'C' or better

Implementation Plan (timeline): Collection: Annually at the end of spring semester

Key/Responsible Personnel: Data collected by Assessment Coordinator

Findings for Strength of Materials [MCET-221] - Course Grade

No Findings Added

Prepare for success in CAST BS Civil Engineering Technology program

Student Learning Outcome: Earn BS degree in CAST Civil Engineering Technology program

▼ **Measure:** Graduation Rates

Details/Description:

Acceptable Benchmark: For CT graduates who enter CAST Civil Engineering Technology program, retention and graduation rates will not be significantly different than those of other transfer students

Implementation Plan (timeline): Collection: Annually at the end of spring semester

Key/Responsible Personnel: Data collected by Assessment Coordinator

Findings for Graduation Rates

No Findings Added

Achieve student satisfaction with CT courses and program

Student Learning Outcome: Graduates of the CT program will indicate satisfaction with courses and program

▼ **Measure:** Student Satisfaction Survey Instrument
Program level; Indirect - Survey

Details/Description:

Acceptable Benchmark: 75% of students graduating will indicate “satisfaction” with CT courses and the program on the Student satisfaction survey instrument

Implementation Plan (timeline): Collection: Annually at the end of spring semester

Key/Responsible Personnel: Data collected by Assessment Coordinator

Findings for Student Satisfaction Survey Instrument

No Findings Added

Overall Recommendations

No text specified

Overall Reflection

No text specified