



2016-2017 Assessment Cycle
Assessment Plan

Mission Statement

Mission Statement - Engineering Studies

Primary Vision

The Department of Engineering Studies will be a leader in providing technical education, academic support, and encouragement to prepare deaf and hard-of-hearing students for careers in engineering, engineering technology and engineering-related fields.

Mission Statement

The Department of Engineering Studies' mission is to provide the best academic experience for our students' growth and achievement during their learning experiences at RIT/NTID in preparation for a successful career.

The Department of Engineering Studies will offer intensive real-world practices in technical classes taught by experienced faculty who communicate well with deaf and hard-of-hearing students. They provide opportunities for students to develop skill sets that are in demand by industry. Students gain fundamental skills for entry-level positions within engineering and engineering technology fields as well as advanced learning opportunities offered through the other colleges of RIT.

Outcomes and Measures

Civil Technology AAS Program Outcome Set

Understand how to use productivity software to solve technical problems

Use CAD to produce 2D technical drawings

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

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

Solve mathematical problems as related to technical drawings

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

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

Develop a simple building model that communicates information for design and construction

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

Details/Description: Final CAD model project scoring guide

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

Prepare for entry to CAST Civil Engineering Technology program

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]

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

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

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

Prepare for success in CAST BS Civil Engineering Technology program

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

Achieve student satisfaction with CT courses and program

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

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