2020-2021 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.

Measures

Civil Technology AAS Program Outcome Set

Understand how to use productivity software to solve technical problems

Outcome: Use CAD to produce 2D technical drawings

Measure: Engineering Graphics [NCAD-150]
Course level Direct - Exam

Details/Description:	Final Exam - Technical Drawing. Scoring Guide.
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. Spreadsheet for data collection.
Key/Responsible Personnel:	Data collected by Assessment Coordinator

Outcome: Solve mathematical problems as related to technical drawings

Measure: Civil Technology Graphics [NCAD-180]
Course level Direct - Exam

Details/Description:	Final Exam
Acceptable Benchmark:	80% of students will score 75% or better on final exam
Implementation Plan (timeline):	Collection: Annually at the end of spring semester
Key/Responsible Personnel:	Data collected by Assessment Coordinator

Prepare for entry to CET Civil Engineering Technology program

Outcome: Demonstrate competency in core technical courses needed to meet admissions requirements into CET Civil Engineering Technology program

Measure: Engineering Graphics [NCAD-150], Construction Materials & Methods [NCAD-255], and Civil Technology Graphics [NCAD-180]

Details/Description:	Course grades and Change of Program form. 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 'B' or better in all three core courses and be accepted into CET Civil Technology 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 CET Civil Engineering Technology program

Outcome: Demonstrate competency in analysis of materials

Measure: Strength of Materials [MCET-221]

Details/Description:	Course Grade
Acceptable Benchmark:	75% of students will achieve a grade of 'C' or better
Implementation Plan (timeline):	Collection: Annually at the end of spring semester beginning AY2015-2016
Key/Responsible Personnel:	Data collected by Assessment Coordinator

Prepare for success in CET BS Civil Engineering Technology program

Outcome: Earn BS degree in CET Civil Engineering Technology program

Measure: Graduation Rates

Details/Description:	
Acceptable Benchmark:	For CT graduates who enter CET 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 beginning AY2018-2019
Key/Responsible Personnel:	Data collected by Assessment Coordinator

Achieve student satisfaction with CT courses and program

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 beginning AY2015-2016
Key/Responsible Personnel:	Data collected by Assessment Coordinator

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