

Program Outcomes (PROGRAM level)

MCC CTE Program: Engineering Technology- CADD (Computer Aided Drafting and Design)

CTE or Occupational **Program Outcome**: Students will demonstrate the ability to apply foundational skills in an engineering technology setting, safely and to industry guidelines.

Expected Student Outcome (Performance Criteria or Indicator)	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Demonstrate an understanding of OSHA regulations as used industry	EHSS 111	Locally developed assignments, rubrics, exams, labs, and projects	EHSS 111	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, EHSS Faculty and Advisory Committee
Demonstrate knowledge of drafting and CADD standards and procedures	ETEC 152 ETECC 153 ETECC 170 ETECC 230 ETECC 270 ETECC 271	Locally developed assignments, rubrics, exams, labs, and projects	ETEC 152 ETECC 153 ETECC 170 ETECC 230 ETECC 270 ETECC 271	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee
Demonstrate basic design knowledge in the civil, mechanical and architectural fields	ETEC 152 ETECC 153 ETECC 155 ETECC 258 ETECC 265	Locally developed assignments, rubrics, exams, labs, and projects	ETEC 152 ETECC 153 ETECC 155 ETECC 258 ETECC 265	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee
Demonstrate ability interpret civil, mechanical and architectural drawings	ETEC 152 ETECC 153 ETECC 155 ETECC 258 ETECC 265 ETECC 268	Locally developed assignments, rubrics, exams, labs, and projects	ETEC 152 ETECC 153 ETECC 155 ETECC 258 ETECC 265 ETECC 268	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee

Results _____ (date):

Actions _____ (date):

Second-Cycle Results _____ (date):

Program Outcomes (PROGRAM level)

MCC CTE Program: Engineering Technology-CADD (Computer Aided Drafting and Design)

CTE or Occupational **Program Outcome**: Students will demonstrate professional oral and written communication skills.

Expected Student Outcome (Performance Criteria or Indicator)	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Demonstrate appropriate interpersonal skills and written communication related to obtaining and retaining employment in a technical field.	ENGR 101 ETEC 152 ETEC 189 ETEC 190 ETEC 191	Portfolio, supervisor interview, employment journal	ENGR 101 ENGT 152 ENGT 189 ENGT 190 ENGT 191	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee
Demonstrate appropriate oral , written, and technical/electronic communication skills	ETEC 152 ETEC 268 ETEC 269 ETEC 258 SPDR 100 SPAN 100 ENGL 215 ENGR 100	Written assignments/ design journal/discussion board assignments	ETER 152 ETEC 268 ETEC 269 ETEC 258 SPDR 100 SPAN 100 ENGL 215 ENGR 100	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee

Results _____ (date):

Actions _____ (date):

Second-Cycle Results _____ (date):

Program Outcomes (PROGRAM level)

MCC CTE Program: Engineering Technology – CADD (Computer Aided Drafting and Design)

CTE or Occupational Program Outcome: Students will think critically and apply problem-solving skills.

Expected Student Outcome (Performance Criteria or Indicator)	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Demonstrate skill using mathematical equations to solve problems in the field of engineering technology.	MATH 120 MATH 130 ETEC 152 ETEC 153 ETEC 258 ETEC 155 ETEC 265 PHYS 130	Locally developed assignments, exams, labs, and projects	MATH 120 MATH 130 ETED 152 ETEC 153 ETEC 258 ETEC 155 ETEC 265 PHYS 130	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee

Results _____ (date):

Actions _____ (date):

Second-Cycle Results _____ (date):

Program Outcomes (PROGRAM level)

MCC CTE Program: Engineering Technology – CADD (Computer Aided Drafting and Design)

CTE or Occupational **Program Outcome**: The program will graduate individuals who exhibit competence in the entry-level skills of technical profession in engineering technology.

Expected Student Outcome (Performance Criteria or Indicator)	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Demonstrate an understanding of different types of CADD systems	ETEC 152 ETEC 269 ETEC 170 ETEC 270 ETEC 271 ETEC 230	Locally developed assignments, exams, labs, and projects	ETEC 152 ETEC 269 ETEC 170 ETEC 270 ETEC 271 ETEC 230	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee
Demonstrate ability to utilize various CADD systems	ETEC 152 ETEC 269 ETEC 170 ETEC 270 ETEC 271 ETEC 230	Locally developed assignments, exams, labs, and projects	ETEC 152 ETEC 269 ETEC 170 ETEC 270 ETEC 271 ETEC 230	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee
Demonstrate ability to troubleshoot various CADD and design files	ETEC 152 ETEC 269 ETEC 170 ETEC 270 ETEC 271 ETEC 230	Locally developed assignments, exams, labs, and projects	ETEC 152 ETEC 269 ETEC 170 ETEC 270 ETEC 271 ETEC 230	Fall and Spring Semesters	ETEC Coordinator	ETEC Coordinator, ETEC Faculty and Advisory Committee

Results _____ (date):

Actions _____ (date):

Second-Cycle Results _____ (date):