

Program Outcomes (PROGRAM level)

MCC CTE Program: Industrial Technology - Electrical

CTE or Occupational Program Outcome: Students will demonstrate the ability to apply foundational skills in an industrial 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	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate safe work practices in the classroom and lab settings	EHSS 111 INTE 110 INTE 175 INTE 271 INTE 275 INTE 277	Locally developed assignments, rubrics, exams, labs, and projects	INTE 110 INTE 175 INTE 271 INTE 275 INTE 277	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate correct procedures for installation of electrical equipment	INTE 175 INTE 275 INTE 271 INTE 272 INTE 277	Locally developed assignments, rubrics, exams, labs, and projects	INTE 175 INTE 275 INTE 271 INTE 272 INTE 277	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate ability to troubleshoot electrical problems	INTE 175 INTE 276 INTE 277	Locally developed assignments, rubrics, exams, labs, and projects	INTE 175 INTE 276 INTE 277	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee

Results _____ (date):

Actions _____ (date):

Second-Cycle Results _____ (date):

Program Outcomes (PROGRAM level)

MCC CTE Program: Industrial Technology - Electrical

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.	INTE 124	Learning log, role playing, and portfolio	INTE124	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate appropriate oral , written, and technical/electronic communication skills	ENGL 101 SPDR 100 INTE 124 CSIS 100 INTE 225	Written assignments/ journal review	INTE 124	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee

Results _____ (date):

Actions _____(date):

Second-Cycle Results _____(date):

Program Outcomes (PROGRAM level)

MCC CTE Program: Industrial Technology - Electrical

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 technical field.	MATH 103 MATH 104 INTE 110 INTE 175 INTE 271	Locally developed assignments, exams, labs, and projects	INTE 110 INTE 175 INTE 271	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate skill in understanding the logical thinking skills needed in electrical troubleshooting	INTE 110 INTE 175 INTE 225 INTE 271 INTE 275 INTE 276	Locally developed assignments, exams, labs, and projects	INTE 110 INTE 175 INTE 225 INTE 271 INTE 275 INTE 276	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate skill in understanding the logical thinking skills needed in Programmable Logic Controller Troubleshooting	INTE 110 INTE 175 INTE 225 INTE 271 INTE 277	Locally developed assignments, exams, labs, and projects	INTE 110 INTE 175 INTE 225 INTE 271 INTE 277	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee

Results _____ (date):

Actions _____(date):

Second-Cycle Results _____(date):

Program Outcomes (PROGRAM level)

MCC CTE Program: Industrial Technology - Electrical

CTE or Occupational **Program Outcome**: The program will graduate individuals who exhibit competence in the entry-level skills of technical profession in Industrial 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 basic Electrical Theory	INTE 110 INTE 115 INTE 175	Locally developed assignments, exams, labs, and projects	INTE 110 INTE 115 INTE 175	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate ability to install electrical components using schematics and prints	INTE 115 INTE 175 INTE 225 INTE 275	Locally developed assignments, exams, labs, and projects	INTE 115 INTE 175 INTE 225 INTE 275	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate a basic understanding of elementary motor control systems	INTE 175 INTE 273 INTE 275	Locally developed assignments, exams, labs, and projects	INTE 175 INTE 273 INTE 275	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate a basic understanding of Programmable Logic Control systems	INTE 271 INTE 272	Locally developed assignments, exams, labs, and projects	INTE 271 INTE 272	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee

Results _____ (date):

Actions _____ (date):

Second-Cycle Results _____ (date):

Program Outcomes (PROGRAM level)

MCC CTE Program: Industrial Technology - Electrical

CTE or Occupational Program Outcome: The program will graduate individuals who exhibit competence in the entry-level skills of Programmable Logic Controllers.

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 on Programmable Logic Controllers Technology	INTE 110 INTE 175 INTE 271 INTE 272	Locally developed assignments, exams, labs, and projects	INTE 110 INTE 175 INTE 271 INTE 272	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate ability to program Allen Bradley family of PLC's	INTE 110 INTE 175 INTE 271 INTE 272	Locally developed assignments, exams, labs, and projects	INTE 110 INTE 175 INTE 271 INTE 272	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee
Demonstrate Basic understanding of PLC troubleshooting	INTE 271 INTE 272 INTE 276 INTE 277	Locally developed assignments, exams, labs, and projects	INTE 271 INTE 272 INTE 276 INTE 277	Fall and Spring Semesters	INTE Coordinator	INTE Coordinator, INTE Faculty and Advisory Committee

Results _____ (date):

Actions _____ (date):

Second-Cycle Results _____ (date):