

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Automotive Technology

CTE or Occupational Program Outcome Students will exhibit professional behavior

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Student will complete lab worksheets to professional guidelines	Auto 100, 101, 105, 106, 107, 108, 150, 160, 166, 170, 172, 174, 176, 260, 264, 272, 277, 278, 279	Lab assignment Lab project Written repair orders	Auto 100, 101, 105, 106, 107, 108,	Fall/Spring/ Summer	Faculty Internship sponsor	Program faculty Advisory Committee
Student will communicate effectively verbally with industry peers and supervisors	Auto 100, 101, 105, 106, 107, 108,	Lab assignment Lab project Written repair orders	Auto 100, 101, 105, 106, 107, 108,	Fall/Spring/ Summer	Staff Faculty Internship sponsor	Program faculty Advisory Committee
Student will practice teamwork	Auto 100, 101, 105, 106, 107, 108, 150, 160, 166, 170, 172, 174, 176, 260, 264, 272, 277, 278, 279	Lab assignment Lab project Written repair orders	Auto 100, 101, 105, 106, 107, 108, 150, 160, 166, 170, 172, 174, 176, 260, 264, 272, 277, 278, 279	Fall/Spring/ Summer	Faculty Internship sponsor	Program faculty Advisory Committee
Student will promote the profession of Automotive Technician to others	Auto 103	Lab assignment Lab project Written repair orders	Auto 103	Fall/Spring/ Summer	Faculty	Program faculty

Results _____ (date):

Actions _____(date):

Second-Cycle Results _____(date):

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Automotive Technology

CTE or Occupational Program Outcome: Students will demonstrate the knowledge of thorough application of safety rules and regulations.

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Student will promote clean environment	Auto 150, 160, 166, 170, 172, 174, 176, 264, 272, 277, 278, 279, 260	Written exam Lab sheets Subjective observation	Auto 150, 160, 166, 170, 172, 174, 176, 264, 272, 277, 278, 279, 260	Fall/Spring/ Summer	Faculty Internship sponsor	Program faculty Advisory Committee
Student will operate equipment of the trade according to OSHA and MCCLV automotive safety rules.	Auto 150, 160, 166, 170, 172, 174, 176, 264, 272, 277, 278, 279, 260	Written exam Lab sheets Subjective observation	Auto 150, 160, 166, 170, 172, 174, 176, 264, 272, 277, 278, 279, 260	Fall/Spring/ Summer	Faculty Internship sponsor	Program faculty Advisory Committee
Student will be able to follow written and verbal instructions	Auto 150, 160, 166, 170, 172, 174, 176, 264, 272, 277, 278, 279, 260	Written exam Lab sheets Subjective observation	Auto 150, 160, 166, 170, 172, 174, 176, 264, 272, 277, 278, 279, 260	Fall/Spring/ Summer	Faculty Internship sponsor	Program faculty Advisory Committee
Student will identify safety hazards in Longview lab and intern settings	Auto 150, 160, 166, 170, 172, 174, 176, 264, 272, 277, 278, 279, 260	Written exam Lab sheets Subjective observation	Auto 150, 160, 166, 170, 172, 174, 176, 264, 272, 277, 278, 279, 260	Fall/Spring/ Summer	Faculty Internship sponsor	Program faculty Advisory Committee

Results _____ (date):

Actions _____(date):

Second-Cycle Results _____(date):

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Automotive Technology

CTE or Occupational Program Outcome Students will be able to use mathematics as it pertains to the Auto

Technicians

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Student will use mathematic equations in Geometry to figure volume, lift, duration	AUTO 150, 160	Lab exam Written exam	Auto 150, 160	Fall/Spring/ Summer	Faculty Internship Sponsor	Program faculty Advisory Committee
Student will produce specific number of measurements	Auto 100, 101, 105, 106, 107,108, 150, 160, 166, 170, 172, 174, 176, 260, 264, 272, 277, 278, 279	Lab exam Written exam	Auto 100, 101, 105, 106, 107,108, 150, 160, 166, 170, 172, 174, 176, 260, 264, 272, 277, 278, 279	Fall/Spring/ Summer	Faculty Internship Sponsor	Program faculty Advisory Committee
Student will practice conversion from metric/standards in measurement evaluation	Auto 150, 160	Lab exam Written exam	Auto 150, 160	Fall/Spring/ Summer	Faculty Internship Sponsor	Program faculty Advisory Committee
Student will identify angles and numbers in degrees as a standard of practice	Auto 172	Lab exam Written exam	Auto 172	Fall/Spring/ Summer	Faculty Internship Sponsor	Program faculty Advisory Committee

Results _____ (date):

Actions _____(date):

Second-Cycle Results _____(date):

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Automotive Technology

CTE or Occupational Program Outcome Demonstrate the knowledge necessary to obtain industry recognized certifications.

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Student will demonstrate the skills necessary to diagnose/repair current industry standard brake systems.	AUTO 150, 170	Lab worksheets Lab exam Lab projects Written exam	Auto 150/170	Fall/Spring	Faculty Internship Sponsor	Program faculty Advisory Committee
Student will demonstrate the skills necessary to diagnose/repair current industry standards in suspension & steering	Auto 150, 172	Lab worksheets Lab exam Lab projects Written exam	Auto 150/170	Fall/Spring	Faculty Internship Sponsor	Program faculty Advisory Committee
Student will demonstrate the skills necessary to diagnose/repair current industry standards of electrical systems	Auto 166, 277, 260, 278, 279	Lab worksheets Lab exam Lab projects Written exam	Auto 166, 277, 260, 278, 279	Fall/Spring	Faculty Internship Sponsor	Program faculty Advisory Committee
Student will demonstrate the skills necessary to diagnose/repair current industry standards in regards to advanced diagnosis	Auto 166, 277, 278, 279, 160, 260	Lab worksheets Lab exam Lab projects Written exam	Auto 166, 277, 278, 279, 160, 260	Fall/Spring	Faculty Internship Sponsor	Program faculty Advisory Committee

Results _____ (date):

Actions _____(date):

Second-Cycle Results _____(date):

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program

Automotive Technology

CTE or Occupational Program Outcome **Demonstrate the knowledge necessary to obtain industry recognized certifications.**

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Student will demonstrate the skills necessary to diagnose/repair current industry standards in modern heat and air condition systems	Auto 150, 166, 260, 264	Lab worksheets Lab exam Lab projects Written exam	Auto 150, 166, 260, 264	Fall/Spring/ Summer	Faculty Internship Sponsor	Program faculty Advisory Committee

Results _____ (date):

Actions _____(date):

Second-Cycle Results _____(date):

Program Outcomes (PROGRAM level)

MCC Career and Technical Education (CTE) Program: Automotive Technology

CTE or Occupational Program Outcome: Student will demonstrate or apply knowledge of basic sciences to the practices of automotive technology

Program Outcome Performance Indicator	Curriculum or Courses (Strategies)	Assessment Method(s)	Context for Assessment	Time of data collection	Assessment Coordinator	Evaluation of Results
Student will be able to understand current laws of electricity	Auto 166, 277, 278, 279	Written exam Lab exam Lab worksheets	Auto 166, 277, 278, 279	Fall/Spring	Faculty Internship Sponsor	Program Faculty Advisory Committee
Student will be able to demonstrate how science applies to modern HVAC systems as it relates to temperature and pressure	Auto 264	Written exam Lab exam Lab worksheets	Auto 264	Summer	Faculty Internship Sponsor	Program Faculty Advisory Committee
Student will demonstrate common laws of hydraulics and friction	Auto 170, 272	Written exam Lab exam Lab worksheets	Auto 170, 272	Fall/Spring	Faculty Internship Sponsor	Program Faculty Advisory Committee
Student will identify and implement work and force as it relates to leverage	Auto 174, 272	Written exam Lab exam Lab worksheets	Auto 174, 272	Fall/Spring	Faculty Internship Sponsor	Program Faculty Advisory Committee

Results _____ (date):

Actions _____(date):

Second-Cycle Results _____(date):