

Mobility Light Vehicle Maintenance Technician Program Outline

Basic Data

Program Name: Mobility/Light Vehicle Technician

Program Award Level: Diploma

Program Credit Hours: 50 Credit Hours

Program Length: 3 Terms

CIP Code: 47.0604

Description:

The Mobility Light Vehicle Technician Diploma program is a sequence of courses designed to prepare students for careers in the mobility bus / light vehicle service and repair profession. Learning opportunities enable students to develop academic, technical and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of bus mechanical theory and practical application necessary for successful employment. Program graduates receive a Mobility Light Vehicle diploma that qualifies them as entry-level technicians.

Occupational Analysis

Duty Description

1 Complete required repair documentation

Task Order	Task Description
1	Verify complaint or problem
2	Diagnose the concern
3	Prepare repair order

2 Perform preventative maintenance procedures

Task Order	Task Description
1	Verify scheduled maintenance items for a particular vehicle
2	Perform maintenance tasks as required
3	Document any finding of other required work on the repair order

3 Maintain and/or repair major systems on mobility vans and light vehicles

Task Order	Task Description
1	Road test vehicle or performance test system
2	Diagnose and repair any issues as authorized
3	Verify repairs have eliminated concern

4 Maintain and/or repair handicapped access systems and wheelchair restraint systems on mobility vans

Task Order	Task Description
1	Road test vehicle or performance test system
2	Diagnose and repair any issues as authorized
3	Verify repairs have eliminated concern

5 Pursue professional development

Task Order	Task Description
1	Set annual industry update goals
2	Attend training sessions as necessary to meet update goals
3	Document training for employer
4	Pursue ASE or company specific automobile or medium/heavy truck certification

Program Outcomes

Order Description

- 1 Graduate should follow a methodical diagnostic process while performing all repairs in a service shop.
- 2 Graduate should display competence in performing basic maintenance procedures for all mobility vans and light vehicles serviced in the shop.
- 3 Graduate should display ability to seek and use technical information to diagnose vehicle problems and concerns.
- 4 Graduate should communicate knowledgeably and professionally with peers and managers regarding all repairs and display appropriate industry work ethics.
- 5 Graduate should pursue update training and certification to maintain current knowledge on mobility van and light vehicle systems and equipment.

Program Curriculum

Course Number	Courses	Credits
General Studies Courses		
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
MATH 1012	Foundations of Mathematics	3
Technical Courses		
COMP 1000	Introduction to Computers	3
AUTT 1010	Automotive Technology Introduction	2
AUTT 1020	Automotive Electrical Systems	7
AUTT 1030	Automotive Brake Systems	4
AUTT 1050	Automotive Suspension and Steering Systems	4
AUTT 1060	Automotive Climate Control Systems	5
AUTT 2020	Automotive Manual Drive Train and Axles	4
AUTT 2030	Automotive Automatic Transmissions and Transaxles	5
DIET 1030	Diesel Engines	7
TRST 1000	Transit Industry Fundamentals	1
TRST 1030	Mobility Van Body System	3
REQUIRED CREDIT HOURS:		53