Alexandria Technical and Community College

MGEM 2620: ATV I

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 1

OJT Hours/Week: *.*

Prerequisites:
This course requires all five of these prerequisites
   MGEM 1619 - Compact Diesel Service (Number of Years Valid: 5)
   MGEM 1614 - Snowmobile II (Number of Years Valid: 5)
   MGEM 1620 - Marine Products I (Number of Years Valid: 5)
   MGEM 1611 - Engine Service and Rebuild (Number of Years Valid: 5)
   MGEM 1612 - Outdoor Power Equipment (Number of Years Valid: 5)

Corequisites: None

MnTC Goals: None

This course covers ATV engines, clutches, transmissions, drivelines, and suspensions/frames. It includes all the makes and models found in the industry. The learner is able to diagnose problems and repair the ATV per manufacturer specification. This course provides learners with hands-on experience.
Prerequisite: First year of the Marine and Small Engine Mechanic program or instructor approval.

B. COURSE EFFECTIVE DATES: 01/16/2003 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Analyze frame design and function of an ATV.
2. Identify common drive line components used on an ATV.
3. Disassemble and reassemble 2 and 4 stroke engines.
4. Analyze ATV transmissions.
5. Perform tire service on an ATV.
6. Properly align an ATV steering system.

D. LEARNING OUTCOMES (General)

1. The learner will identify and repair the different parts of the A.T.V. frame.
2. The learner will remove engine from frame, disassemble engine, identify parts and measure them, reassemble engine to manufactures specifications and install back in frame.
3. The learner will remove A.T.V. tire from rim and install new one.
4. The learner will adjust the A.T.V. to manufacture specifications.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted