

GENERAL AUTO/DIESEL MECHANICS (TECHNICAL AND INDUSTRIAL DIVISION)

GENMC-102 ELECTRICAL (6 cr.) Instruction covers basics of components and the technical aspects of repair of instrumentation, ignition, charging, starting, and lighting systems. Demonstration and hands-on experience to diagnose and repair automotive electrical systems and wiring diagrams will be covered in a laboratory environment. Components will be tested and repaired to manufacturers' specifications. Quality, cleanliness, and work attitude stressed. The electrical class is a pre-requisite for all auto mechanic classes.

GENMC-103 POWER TRAINS LECTURE AND LAB (6 cr.) Study of various types of manual transmissions and transaxles, drivelines, clutches, flywheels, rear axles, differentials, and four-wheel drive systems found in modern automobiles and light trucks. Operation and repair of various components of power trains and their interrelationships provided.

GENMC-105 ENGINES LECTURE AND LAB (6 cr.) Study of principles and practical application in the repair and overhaul of the engine block, cylinder heads and valve train including camshaft, timing gears and chains, identification and replacement of defective parts, and operation of related machine tools. Technical materials are related to components used in engine blocks, cylinder heads, valve trains or similar mechanized applications.

GENMC-107 COOPERATIVE/INTERNSHIP ENGINE (1-6 cr.) Advanced on-the-job training in engines. Program coordinator works with employer to establish and maintain training goals. Instructor registration release required.

GENMC-108 COOPERATIVE/INTERNSHIP POWER TRAINS (1-6 cr.) Advanced on-the-job training in power trains. Coordinator works with employer to establish and maintain training goals. Instructor registration release required.

GENMC-115 CHASSIS, SUSPENSION, AND BRAKES LEC/LAB (6 cr.) Chassis, suspension alignment and repair, theory and service of power and manual steering gears, wheel and tire diagnosis and balance, and all types of brakes and controls found in the modern automobile and light truck. Shop experience in suspension and steering adjustment, repair and alignment, power steering service, tire and wheel balancing, brakes and controls, and the care and use of related tools, instruments and equipment. Other shop projects may be assigned to fit individual needs.

GENMC-117 COOPERATIVE EDUCATION IN CHASSIS SYSTEMS AND BRAKES (1-6 cr.) Advanced on-the-job training in auto mechanics in chassis/suspension and brakes. Coordinator works with employer to establish and maintain training goals. Instructor registration release required.

GENMC-126 SAFETY (2 cr.) General principles needed to foster a safe attitude and work environment. Topics covered include hazardous materials, safe use of equipment and tools, and an introduction to the occupation, health and safety concerns in the work place. Students are required to take first aid and CPR training.

GENMC-190 DIRECTED STUDY IN GENERAL MECHANICS (1-12 cr.) Individual instruction and self-study established to meet specific training objectives. May be repeated. Credits earned may not be directly applicable to degree or certificate.