GENERAL AUTOMOTIVE

Working on today’s cars requires an understanding of the science and technology that goes into the modern, highly-sophisticated automobile. Our Motor Vehicle Technology program combines classroom lecture with intensive hands on training in our technologically advanced motor vehicle labs. Delgado offers both a Certificate of Technical Studies and an Associate’s degree in Motor Vehicle Technology.

The programs are accredited by the National Automotive Technicians Education Foundation, Inc. (NATEF). Students also have the opportunity to study towards ASE certification which increases student opportunities in the work place. The general automotive concentration is designed to provide a foundation of general theory and operation for the tasks specified by NATEF and covers theory, repair and diagnostic procedures for all eight major automotive systems. In addition to the technical curriculum, in the associate's degree programs, courses in mathematics, humanities, English, natural science and social science provide students with the background necessary for effective communication of ideas and to enhance future opportunities for career advancement.

PROGRAM ADMISSION:  Eligible for ENGL 101 and college level placement or completion of developmental reading courses.

SPECIALIZED PROGRAMS

Through the continued support of industry manufacturers and local dealers, there are two cooperative degree programs in Motor Vehicle Technology: Automotive Student Service Education Training (ASSET) with Ford Motor Company and Automotive Service Educational Program (ASEP) with General Motors (GM). Students entering either program must be sponsored by a participating Ford or GM dealer who provides supervised work experience for approximately eight weeks of each semester. The other half of the semester is spent in special classes at Delgado. Additional courses are required for both programs. You will work with a program advisor to meet these course requirements.

Working with the dealers ensures that students have the technical competency and professional level to analytically diagnose, service, and maintain the dealership products using recommended procedures, special tools and General Motors or Ford service publications. The students in Ford and GM classes will receive “factory training” through the manufacture’s online training site as well as additional hands –on training at Ford or GMs training center.

CAMPUS:  DCC City Park and DCC Jefferson

CAREERS:  Motor Vehicle Technology graduates can be employed in a variety of positions including test technician, diagnostician, equipment sales and service, independent business administrator, dealership service manager, service writer, engine machinist, fuel injection, automatic transmission and engine management specialist, as well as general service technician. Further training and education can lead to careers in technical education, engineering, insurance appraisal, and accident investigation, and other specialties. The average salary for an automotive technician in Louisiana is $17.32 per hour/$36,020 per year (LA Workforce Commission, Occupational Wage Data, 2012).
### Required Courses

Any Motor Vehicle Technology Work Experience Courses 3 credits  
MOVH 101 - Introduction to Motor Vehicle Technology\(^1\) 3 credits  
MOVH 130 - Fundamentals of Electricity\(^1\) 3 credits  
MOVH 154 - Brake Systems\(^1\) 3 credits  
MOVH 156 - Brake Systems Laboratory\(^1\) 1 credit  
MOVH 160 - Auto Service Business Professionalism 3 credits  
MOVH 217 - Steering and Suspension Systems\(^1\) 2 credits  
MOVH 219 - Steering and Suspension Systems Laboratory\(^1\) 1 credit  
MOVH 231 - Advanced Electrical and Electronics\(^1\) 3 credits  
MOVH 233 - Advanced Electrical and Electronics Laboratory\(^1\) 1 credit

Choose any 4 of the following course pairings:

MOVH 162 - Advanced Brake / Steering and Suspension Systems 3 credits  
MOVH 164 - Advanced Brake / Steering and Suspension Systems Laboratory 1 credit  
MOVH 206 - Engine Performance I: Components and Systems 3 credits  
MOVH 208 - Engine Performance I: Components and Systems Laboratory 1 credit  
MOVH 211 - Engine Diagnosis and Repair\(^1\) 3 credits  
MOVH 213 - Engine Diagnosis and Repair Laboratory\(^1\) 1 credit  
MOVH 232 - Engine Performance II: Advanced Drivability\(^1\) 3 credits  
MOVH 234 - Engine Performance II Laboratory\(^1\) 1 credit  
MOVH 240 - Manual Drivetrain and Axles\(^1\) 3 credits  
MOVH 242 - Manual Drivetrain and Axles\(^1\) 1 credit  
MOVH 244 - Automatic Transmissions\(^1\) 3 credits  
MOVH 246 - Automatic Transmissions Lab\(^1\) 1 credit  
MOVH 260 - Climate Control Systems\(^1\) 3 credits  
MOVH 262 - Climate Control Laboratory\(^1\) 1 credit

### Required Related Courses

ENGL 101 - English Composition I 3 credits  
MATH 118 - Algebra for College Students 3 credits  
Humanities Requirement 3 credits  
Natural Science Requirement 3 credits  
Social Science Requirement 3 credits

\(^1\)Required course for General Automotive, C.T.S.