

Academy of Automotive Industries

Career Cluster: Transportation, Distribution & Logistics

Program Strand: Heavy Duty Truck and Bus Repair Technology

Students who choose a career in Heavy Duty Truck and Bus Repair Technology are knowledgeable in all phases of modern Automotive including reading and interpreting drawings, electronics, hydraulics, engine performance, and drive trains and axles related to the Diesel industry.

Secondary Career Academy Development Timetable Academy classes are listed in bold type.

Pre-Academy Grades 6 – 8	Grade 9	Grade 10	Grade 11	Grade 12
6 th grade—Middle Moves 7 th grade—Career Preparation Requirement 8 th grade—Transition Tools	English I	English II	English III	English IV
	Algebra or higher	Geometry or higher	Algebra II or higher	Pre-calculus or Other Mathematics Course
	Earth & Space Science or Biology	Biology or Chemistry	Chemistry or Physics or Physical Science	Science Elective or Other Elective
	World History	Elective	American History	American Government / Economics
	9 th Grade Transition	Foreign Language or Other Elective	Foreign Language or Other Elective	Foreign Language or Other Elective
	<i>Diesel Engine Service 1</i> <i>874201002</i>	<i>Diesel Engine Service 3</i> <i>874203002</i>	<i>Diesel Engine Service 5</i> <i>874205002</i>	<i>Diesel Engine Service 7</i> <i>874207001</i>
	<i>Diesel Engine Service 2</i> <i>874202002</i>	<i>Diesel Engine Service 4</i> <i>874204002</i>	<i>Diesel Engine Service 6</i> <i>874206002</i>	<i>Diesel Engine Service 8</i> <i>874208001</i>
	Physical Education	Elective	Elective	Industrial Cooperative Education (I.C.E.)

Suggested Electives:

- Students may in their Junior or Senior year opt to participate in the Career Experience Opportunity (CEO) internship program using the following course numbers: Workplace Essentials – 83003101A (Honors .5) and CEO internship – 0500330CE (Honors .5).
- Students may complete more than one program within the Academy of Automotive Industries providing courses are offered at the school site.
- In addition, students can choose to enroll in Drafting/Illustrative Design Technology 1-3 classes to enhance their marketability.

To find a Miami-Dade County Public High School with this Program Strand, please link to http://ssr.dadeschools.net/acad_tally_schls.pdf

Internship Opportunities	Student Organizations / Clubs	Earn Upon Completion
<ul style="list-style-type: none"> • Internship • Job Shadowing • School-Based Enterprise • Service Learning • Dual Enrollment • Portal to CEO 	<ul style="list-style-type: none"> • SkillsUSA 	<ul style="list-style-type: none"> • Industry Title & FLDOE OCP's correlated to the individual areas. • For more information on the Florida Department of Education Bright Futures Scholarship Programs: Florida Academic Scholars Award (FAS), Florida Medallion Scholars Award (FMS), and Florida Gold Seal Vocational Scholars Award (GSV) please contact a guidance counselor or visit: http://www.floridastudentfinancialaid.org/ssfad/factsheets/BF.htm. • For more information on advanced standing at local public and private post secondary institutions as established per articulation agreements please contact a guidance counselor.

POSTSECONDARY OPTIONS

Certification Programs	Community College (A.A./A.S.) or Proprietary Programs	Four-Year College and University Programs	Other
<ul style="list-style-type: none"> • Automotive Service Excellence (ASE) • D. A. Dorsey Vocational Ctr. Automotive Dept. • Miami Lakes Educational Center • Robert Morgan Ed. Center Honda Program • Lindsey Hopkins Technical Education Center 	<ul style="list-style-type: none"> • Heavy Duty Truck and Bus Technology 	<ul style="list-style-type: none"> • Business • Florida International University College of Engineering and Computing 	<ul style="list-style-type: none"> • On the job training • Technical/Vocational School

CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Diesel Engine Mechanic Helper • Diesel Electrical and Electronics Technician • Diesel Engine Preventive Maintenance Technician • Diesel Brakes Technician 	<ul style="list-style-type: none"> • Diesel Hydraulics Technician • Diesel Heating and Air-Conditioning Technician • Diesel Steering and Suspension Technician • Diesel Drivetrain Technician