

Academy of Automotive Industries

Career Pathway: Transportation, Distribution & Logistics

Program Strand: Power & Energy Technology

Students who choose a career in Power and Energy Technology work in a varied and fast-changing industry. They may use computerized and traditional equipment and tools when working with steam, diesel, internal combustion, hydraulic, pneumatic, electric, jet, rocket, solar or nuclear power systems.

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 MJ Wheel 8600020015 Introduction to Technology 860001001 Exploring Technology 860002012 Exploration of Transportation Technology 860024002 Exploration of Power & Energy Technology 860025002	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
	Power & Energy Technology 1 860131002	Power & Energy Technology 2 860132001	Power & Energy Technology 3 860133002 (H)	Advanced Technology Applications 860190001 (H)
	Elective	Elective	Elective	Elective
	Elective	Elective	Elective	Elective

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 • Cooperative Education • Job Shadowing • School-Based Enterprise • Service Learning • Dual Enrollment • Portal to CEO 	<ul style="list-style-type: none"> • Junior Engineering and Technical Society • U.S. FIRST Robotics League • Technology Student Association (TSA) • SECME 	<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"> • ASE Master Tech • NATEF Auto Mechanical Certification • 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"> • Master Auto Mechanics • Pre-engineering • 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"> • Transportation Engineering • Urban Development Engineering • Civil Engineering • Power & Mechanical Engineering • Florida International University College of Engineering and Computing 	<ul style="list-style-type: none"> • On the job training • Apprenticeship

CAREER OPTIONS

Entry Level	After Post-Secondary Education
<ul style="list-style-type: none"> • Auto Mechanic Assistant • Brake System Technical Assistant • Body Shop Assistant • Light Duty Service Assistant • Automotive Parts Sales Clerk • Audio Technician 	<ul style="list-style-type: none"> • Transportation Engineer • Rail Systems Designer • Civil Engineer • Mass Transit Project Manager • ASE Master Mechanic Trainer • Automotive Designer