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| **Career Cluster: *Transportation, Distribution, and Logistics***  | **CTE Program: *Automotive Maintenance & Light Repair #9504100*** *(Secondary)* |
| **Career Cluster Pathway:** *Facility & Mobile Equip Maintenance* | **Industry Certification(s): *See Below*** |
|    | **16 CORE CURRICULUM CREDITS**  | **8 ADDITIONAL CREDITS**  |
| **ENGLISH** 4 credits  | **MATH** 4 credits  | **SCIENCE** 3 credits, 2 with lab  | **SOCIAL** **STUDIES** 3 credits  | **OTHER** **REQUIRED COURSES** FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit) | **CAREER AND** **TECHNICAL** **EDUCATION** **COURSES**  | **RECOMMENDED ELECTIVES** (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)  |
| **HIGH****SCHOOL** | * **Students are encouraged to use mycareershines.org to explore careers and postsecondary options.**
* **Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.**
* **One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program**
 |
| **9th**  | English I  | Algebra 1, Algebra 1A, or Geometry  | Biology I  | None  | Personal Fitness  |   | Performing Arts |
| **10th**  | English II  | Algebra 1, Algebra 2 or Geometry  | Physical Science or Chemistry I  | World History  | PE/ Band / JROTC  | Automotive Maintenance & Light Repair 1  | Spanish 1  |
| **11th**  | English III  | Algebra 2, Geometry, or Math for College Algebra | Science Elective  | American History  | PE / Band / JROTC  | Automotive Maintenance & Light Repair 2/3  | Spanish 2  |
| **12th**  | English IV  | Algebra 2, Math for College Algebra, or Pre-Calculus  | Science Elective  | American Government/ Economics  | Fine Arts or Practical Arts  | Automotive Maintenance & Light Repair 4/5  |   |
| **POSTSECONDARY** | **Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.**  |
| **TECHNICAL CENTER PROGRAM(S)**  | **STATE COLLEGE PROGRAM(S)**  | **UNIVERSITY PROGRAM(S)**  |
|  | **Indian River State College** **Automotive Service Technology 1 (PSAV)** **Automotive Service Technology 2 (PSAV)** **Automotive Service Technician (TC)** **General Automotive Technician (TC)** **Automotive Service Management Technology (AAS)**   | **University of South Florida- B.S. in** **Mechanical Engineering**  |

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| **CAREER** | **Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)**  |
| * **Automotive Service Technicians and Mechanics**
* **General Automotive Repair**
* **Automotive Parts and Accessories Store Associate**
* **Tire Dealer**
* **Local Government position**
 | * **Automotive Service Technicians and Mechanics**
* **General Automotive Repair**
* **Automotive Parts and Accessories Store Associate**
* **Tire Dealer**
* **Local Government position**
 | * **Dealership General Operations Manager**
* **Automotive Service Technicians and Mechanics**
* **General Automotive Repair**
* **Automotive Parts and Accessories Store Associate**
* **Tire Dealer**
* **Local Government position**

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| **CREDIT** |   |
| **Secondary to Technical Center (PSAV)** (Minimum # of clock hours awarded)  | **Secondary to College Credit Certificate or Degree** (Minimum # of clock or credit hours awarded)  | **PSAV/PSV to AAS or AS/BS/BAS** (Statewide and other local agreements may be included here)  |
|  | **Indian River State College** This agreement awards one hundred and fifty (150) “Career Pathways” clock hours upon completion of secondary Automotive Maintenance & Light Repair 1,2 & 3 courses as follows: **Automotive Service Technology 1 (PSAV)** AER 0006 Automotive Services Assistor 1 150 hoursAER 0007 Automotive Services Assistor 2 150 hoursThis agreement also awards up to three (3) “Career Pathways” credits upon completion of secondary Automotive Maintenance & Light Repair 1,2, 3 & 4 courses as follows:  **Automotive Service Management Technology (AAS)** **Automotive Service Technician (TC)** **General Automotive Technician (TC)** AER 1081C Introduction to Automotive Technology 4 creditsAER 1694C Introduction to Automotive Electrical Systems 4 credits  |  |
| **CERTIFICATIONS** | **NIASE005 ASE Automatic Transmission/Transaxle****NIASE007 ASE Brakes****NIASE008 ASE Electrical/Electronic Systems****NIASE009 ASE Engine Performance****NIASE010 ASE Engine Repair****NIASE011 ASE Heating and Air Conditioning****NIASE012 ASE Manual Drive Train and Axles****NIASE076 ASE Auto Maint & Light Repair (articulates 3 credit hours toward the AAS degree in Automotive Service Mgmt Technology)** |
| **Career and Technical Student Association**  |
| ***SkillsUSA***  |
| **Internship/Work Experience Recommendations**  |
| **Local automobile dealerships**  |
| **Gilbert**  |  **Family of Companies: Ford & Chevrolet Dealerships**  |

Program of Study Graduation Requirements:

[http://www.fldoe.org/academics/graduatio](http://www.fldoe.org/academics/graduation-requirements)

[n](http://www.fldoe.org/academics/graduation-requirements)

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[requirement](http://www.fldoe.org/academics/graduation-requirements)

[s](http://www.fldoe.org/academics/graduation-requirements)