

Name of Cluster: Transportation, Distribution and Logistics

Name of Pathway: Facility and Mobile Equipment Maintenance

**John A. Logan College: Automotive Services Technology (AAS) Program of Study**

**STEM**

**Carbondale**

This Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

Education Levels	Grade	English	Math	Science	Social Studies / Sciences	Recommended Electives (* Denotes Dual Credit only if taken Junior or Senior Year)	Career & Technical Courses and / or Degree Major Courses	SAMPLE Occupations Relating to this Pathway (as listed on careerclusters.org)
Interest Inventory Administered - All plans of study need to meet local and state high school graduation requirements as well as college entrance requirements.								<b>Facility</b>
Secondary	9	English / Language Arts I	Algebra I	Physical / Earth Science				<ul style="list-style-type: none"> <li>➤ Electrical / Electronic Technician</li> <li>➤ Facility Engineer</li> <li>➤ Industrial Electrician</li> <li>➤ Industrial Equipment Mechanic</li> </ul>
	10	English / Language Arts II	Geometry	Science Elective			Electrical Trades Small Engines	
	11	English / Language Arts III	Algebra II	Principles of Technology	American History		*AST 170 @ JALC – 4 Hrs *AST 172 @ JALC – 2 hrs *AST 173 @ JALC – 4 Hrs	
	12	English / Language Arts IV/ Tech Write *(ENG 113) 3			American Government Or AP/Gov.		*AST 171A @ JALC – 4 Hrs *AST 171B @ JALC – 4 Hrs *AST 281 @ JALC – 4 Hrs Res Mngt/Ad Living or CVE *(PSY 110) – 3 hrs	
Postsecondary	Yr 15 Fall		MAT 113 or MAT 105 or MAT 120			IND 138	AST 170 AST 180A AST 172 AST 173	<ul style="list-style-type: none"> <li>➤ Aerospace Engineering and Operations Technician</li> <li>➤ Aircraft Mechanic and Service Technician</li> <li>➤ Avionics Technician</li> <li>➤ Bus and Truck Mechanic</li> <li>➤ Collision Repair Technician</li> <li>➤ Diesel Engine Specialist</li> <li>➤ Motorboat Mechanic</li> <li>➤ Off-Road Equipment Technician</li> <li>➤ Rail Locomotive and Car Mechanic and Repairer</li> <li>➤ Service Manager</li> <li>➤ Service Writer</li> <li>➤ Ship Mechanic and Repairer</li> </ul>
	Yr 16 Spring	ENG 101			PSY 110		AST 171A AST 180B AST 171B AST 180C	
	Yr 16 Fall	SPE 115 or SPE 116				CIS 101	AST 200 AST 281 AST 273 AST 280	
	Yr 17 Spring			PHY 121	PSY132		AST 270 AST 271 AST 276 AST 279	
								28 Hrs @ \$109 = <b>\$3,052 SAVED!</b>

