

Name of Cluster: Transportation, Distribution and Logistics

Name of Pathway: Facility and Mobile Equipment Maintenance

**John A. Logan College: Automotive Services Technology Master Certificate 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> <b>Mobile Equipment</b> <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>
	10	English / Language Arts II	Geometry	Science Elective			Electrical Trades Small Engines	
	11	English / Language Arts III	Algebra II		American History		*AST 170 @ JALC – 4 Hrs *AST 172 @ JALC – 2 Hrs *AST 173 @ JALC – 4 Hrs	
	12	English / Language Arts IV			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	
Postsecondary	<b>Four Semesters – Block Scheduling</b>							
	Yr 15 Fall	First Half Block						AST 172 AST 173
		Second Half Block						AST 170 AST 180A
	Yr 16 Spring	First Half Block						AST 171A AST 180B
		Second Half Block						AST 171B AST 180C
	Yr 16 Fall	First Half Block						AST 200 AST 280
		Second Half Block						AST 273 AST 281
	Yr 17 Spring	First Half Block						AST 270 AST 276
Second Half Block				ATI 200 (optional)		AST 271 AST 279		
								<b>22 hrs @ \$109 =</b>  <b>\$2,398 SAVED!</b>

