Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from a recognized TEA capstone course (in bold) within a program of study earn completer status for federal accountability reporting.
The Automotive program of study teaches students how to repair and refinish automobiles and service various types of vehicles. Students may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.

The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

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For more information on postsecondary options for this program of study, visit TXCTE.org.

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<table>
<thead>
<tr>
<th>COURSE NUMBER/ COURSE NAME</th>
<th>SERVICE ID/CREDITS</th>
<th>PREREQUISITES (PREQ)</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>8P053 Introduction to Transportation Technology</td>
<td>13039270 (.5 credit)</td>
<td>None</td>
<td>7-8</td>
</tr>
<tr>
<td>8P100 Principles of Transportation Systems</td>
<td>13039250 (1 credit)</td>
<td>None</td>
<td>9-10</td>
</tr>
<tr>
<td>8P130 Basic Collision Repair and Refinishing</td>
<td>13039750 (1 credit)</td>
<td>None</td>
<td>9-12</td>
</tr>
<tr>
<td>8P140 Automotive Basics</td>
<td>13039550 (1 credit)</td>
<td>None</td>
<td>9-11</td>
</tr>
<tr>
<td>8P230 Collision Repair</td>
<td>13039800 (2 credits)</td>
<td>RPREQ: Basic Collision Repair &amp; Refinishing</td>
<td>10-11</td>
</tr>
<tr>
<td>8P250 Small Engine Technology I</td>
<td>13040000 (1 credit)</td>
<td>None</td>
<td>10-11</td>
</tr>
<tr>
<td>8P270, 8P920 Small Engine Technology II</td>
<td>13040100 (2 credits)</td>
<td>PREQ: Small Engine Technology I</td>
<td>11-12</td>
</tr>
<tr>
<td>8P200 Automotive Technology I</td>
<td>13039600 (2 credits)</td>
<td>None</td>
<td>10-12</td>
</tr>
<tr>
<td>8P260 Energy and Power of Transportation Systems</td>
<td>13039300 (1 credit)</td>
<td>RPREQ: Principles of Transportation Systems</td>
<td>10-12</td>
</tr>
<tr>
<td>8P340 Paint and Refinishing</td>
<td>13039900 (2 credits)</td>
<td>None</td>
<td>11-12</td>
</tr>
<tr>
<td>8P300, 8P305 DC Automotive Technology II</td>
<td>13039700 (2 credits)</td>
<td>PREQ: Automotive Technology I: Maintenance and Light Repair</td>
<td>11-12</td>
</tr>
<tr>
<td>8P350, 8P360 EXT (SGHS) Practicum in Transportation Systems - Collision Rep</td>
<td>13040450 (2 credits) 13040455 (3 credits)</td>
<td>None</td>
<td>11-12</td>
</tr>
<tr>
<td>8P370, 8P380 (SGHS) Practicum in Transportation Systems - Auto Tech</td>
<td>13040450 (2 credits) 13040455 (3 credits)</td>
<td>None</td>
<td>11-12</td>
</tr>
<tr>
<td>8P930 or 8P933 EXT (GRCTC) Practicum in Transportation Systems</td>
<td>13040450 (2 credits) 13040455 (3 credits)</td>
<td>None</td>
<td>11-12</td>
</tr>
</tbody>
</table>
The Distribution and Logistics program of study teaches students how to plan, coordinate, and direct people and operational plans related to distributed goods and services. Students will learn how to manage daily operations and logistics personnel.

The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Successful completion of the Distribution and Logistics program of study will fulfill requirements of the Business and Industry Endorsement. Approved Statewide Program of Study - September 2019
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<tbody>
<tr>
<td>8P120 Principles of Distribution and Logistics</td>
<td>13039260 (1 credit)</td>
<td>None</td>
<td>9-10</td>
</tr>
<tr>
<td>8P920 Fall (Pending) Principles of Distribution and Logistics</td>
<td>13039260 (1 credit)</td>
<td>None</td>
<td>10-12</td>
</tr>
<tr>
<td>8P940 Spring (Pending) Concepts of Distribution &amp; Logistic Technology</td>
<td>N Pending (1 credit)</td>
<td>None</td>
<td>10-12</td>
</tr>
<tr>
<td>8P950S Fall GRCTC Management of Transportation Systems</td>
<td>13040200 (1 credit)</td>
<td>None</td>
<td>10-12</td>
</tr>
<tr>
<td>8P960S Spring GRCTC Distribution and Logistics</td>
<td>13040300 (1 credit)</td>
<td>None</td>
<td>11-12</td>
</tr>
<tr>
<td>8P970/8P973 GRCTC Practicum in Distribution and Logistics</td>
<td>13040470 (2 credits) 13040475 (3 credits)</td>
<td>None</td>
<td>11-12</td>
</tr>
</tbody>
</table>
Transportation, Distribution & Logistics

Introduction to Transportation Technology
8P053
TSDS PEIMS Code: 13039270 (INTRTEC)
Grade Placement: 7-8, Credit: .5
Prerequisite: None.
Introduction to Transportation Technology includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Transportation Technology includes applicable safety and environmental rules and regulations. In Transportation Technology, students will gain knowledge and skills in the repair, maintenance, and diagnosis of transportation systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Principles of Transportation Systems
8P100
TSDS PEIMS Code: 13039250 (PRINTRSY)
Grade Placement: 9–10, Credit: 1
Prerequisite: None.
In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

Principles of Distribution and Logistics
8P120
TSDS PEIMS Code: 13039260 (PRINDILG)
Grade Placement: 9–12, Credit: 1
Prerequisite: None.
In Principles of Distribution and Logistics, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the logistics of warehousing and transportation systems. Students should apply knowledge and skills in the application, design, and production of technology as it relates to distribution and logistics industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

Basic Collision Repair and Refinishing
8P130
TSDS PEIMS Code: 13039750 (BASCOLRR)
Grade Placement: 9–12 Credit: 1
Prerequisite: None.
Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing.

Automotive Basics
TSDS PEIMS Code: 13039550 (AUTOBASC)
Grade Placement: 9–12 Credit: 1
Prerequisite: None.
Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.
Transportation, Distribution & Logistics

Collision Repair
8P230
TSDS PEIMS Code: 13039800 (COLLISR)
Grade Placement: 10–12, Credit: 2
Recommended Prerequisites: Basic Collision Repair and Refinishing.
Collision Repair includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing.

Small Engine Technology I
8P250
TSDS PEIMS Code: 13040000 (SMENTEC1)
Grade Placement: 9–12, Credit: 1
Prerequisite: None
Small Engine Technology I includes knowledge of the function and maintenance of the systems and components of all types of small engines such as outdoor power equipment, motorcycles, generators, and irrigation engines. This course is designed to provide training for employment in the small engine technology industry. Instruction includes the repair and service of cooling, air, fuel, lubricating, electrical, ignition, and mechanical systems. In addition, the student will receive instruction in safety, academic, and leadership skills as well as career opportunities.

Small Engine Technology II
8P270 GHS/8P920 GRCTC
TSDS PEIMS Code: 13040100 (SMENTEC2)
Grade Placement: 10-12, Credit: 2
Prerequisite: Small Engine Technology I.
Small Engine Technology II includes advanced knowledge of the function, diagnosis, and service of the systems and components of all types of small engines such as outdoor power equipment, motorcycles, generators, and irrigation engines. This course is designed to provide hands-on and practical application for employment in the small engine technology industry. Instruction includes the repair and service of cooling, air, fuel, lubricating, electrical, ignition, and mechanical systems and small engine overhauls. In addition, students will receive instruction in safety, academic, and leadership skills as well as career opportunities.

Automotive Technology I: Maintenance and Light Repair
8P200
TSDS PEIMS Code: 13039600 (AUTOTEC1)
Grade Placement: 9–12, Credit: 2
Recommended Prerequisites: Automotive Basics.
Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Automotive Technology II: Automotive Service
8P300
TSDS PEIMS Code: 13039700 (AUTOTEC2)
Grade Placement: 11–12, Credit: 2
Prerequisites: Automotive Technology I: Maintenance and Light Repair. Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.
Management of Transportation Systems
8P950
TSDS PEIMS Code: 13040200 (MNGTRSY)
Grade Placement: 10–12, Credit: 1
Recommended Prerequisite: Principles of Transportation Systems.
In Management of Transportation Systems, students will gain knowledge and skills in material handling and distribution and proper application, design, and production of technology as it relates to the transportation industries. This course includes the safe operation of tractor-trailers, forklifts, and related heavy equipment. This course will allow students to reinforce, apply, and transfer their academic knowledge and skills to management of transportation systems and associated careers.

Distribution and Logistics
8P960
TSDS PEIMS Code: 13040300 (DISTLGS)
Grade Placement: 11–12, Credit: 1
Recommended Prerequisite: Principles of Distribution and Logistics.
Distribution and Logistics is designed to provide training for entry-level employment in distribution and logistics. This course focuses on the business planning and management aspects of distribution and logistics. To prepare for success, students will learn, reinforce, experience, apply, and transfer their knowledge and skills related to distribution and logistics.

Paint and Refinishing
8P340
TSDS PEIMS Code: 13039900 (PAINTREF)
Grade Placement: 10–12, Credit: 2
Prerequisite: None.
Recommended Prerequisites: Basic Collision Repair and Refinishing or Collision Repair. Paint and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive paint and refinishing.

Practicum in Transportation Systems
8P350/8P360/8P370/8P380/8P930/8P933
TSDS PEIMS Code: 13040450 (First Time Taken) (PRACTRS1) 13040460 (Second Time Taken) (PRACTRS2)
Grade Placement: 11–12, Credit: 2 Prerequisite: None.
Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based.

Practicum in Distribution and Logistics
8P970/8P973
TSDS PEIMS Code: 13040470 (First Time Taken) (PRACDLG1) 13040480 (Second Time Taken) (PRACDLG2)
Grade Placement: 11–12, Credit: 2
Prerequisite: None.
Practicum in Distribution and Logistics is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or work based.