



# Transportation Inspectors

SOC Code 53-6051 • Projected Growth (2020) 0 %

## Description

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### What Transportation Inspectors Do

Inspect and monitor transportation equipment, vehicles, or systems to ensure compliance with regulations and safety standards.

### Duties

- Inspect vehicles or other equipment for evidence of abuse, damage, or mechanical malfunction.
- Inspect vehicles or equipment to ensure compliance with rules, standards, or regulations.
- Examine transportation vehicles, equipment, or systems to detect damage, wear, or malfunction.
- Conduct vehicle or transportation equipment tests, using diagnostic equipment.
- Inspect repairs to transportation vehicles or equipment to ensure that repair work was performed properly.
- Prepare reports on investigations or inspections and actions taken.
- Issue notices and recommend corrective actions when infractions or problems are found.
- Investigate complaints regarding safety violations.
- Examine carrier operating rules, employee qualification guidelines, or carrier training and testing programs for compliance with regulations or safety standards.
- Investigate and make recommendations on carrier requests for waiver of federal standards.

### Training Opportunities Linked to Those Jobs

[\(Degree Types and Colleges/Universities\)](#)

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### How to Become a Transportation Inspector

#### Education and Training

Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.

#### Job Training

Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.

#### Important Qualities

**Active Listening** — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

**Operation Monitoring** — Watching gauges, dials, or other indicators to make sure a machine is working properly.

**Quality Control Analysis** — Conducting tests and inspections of products, services, or processes to evaluate quality or performance.

**Critical Thinking** — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

**Monitoring** — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

**Reading Comprehension** — Understanding written sentences and paragraphs in work related documents.

**Operation and Control** — Controlling operations of equipment or systems.

**Speaking** — Talking to others to convey information effectively.

**Troubleshooting** — Determining causes of operating errors and deciding what to do about it.

**Equipment Maintenance** — Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.

### Postsecondary Education

Texas Southmost College	South Texas College	Texas State Technical College	The University of Texas at Brownsville	The University of Texas - Pan American

### Local Employers

<a href="#">Access Consulting</a>	Brownsville	<a href="#">Mayflower Transit Agent</a>	Harlingen
<a href="#">Ferris &amp; Flinn</a>	Harlingen	<a href="#">Mundo Engineering</a>	La Feria
<a href="#">Homeland Surveying CO</a>	Brownsville	<a href="#">PDA of Rio Grande Valley</a>	Combes

### Career Options

(Specific Job Types)

- Chief Mechanical Officer
- Transit Vehicle Inspector
- Smog Technician
- Inspector
- Motor Carrier Inspector
- Quality Assurance Inspector
- Rail Technician
- Smog Check Technician
- Diesel Engine Inspector
- Emission Inspection Technician

### Salary Ranges

Wages for **Transportation Inspectors**

Location	Pay Period	2012				
		10%	25%	Median	75%	90%
United States	Hourly	\$15.27	\$20.92	\$30.62	\$41.80	\$53.74
	Yearly	\$31,800	\$43,500	\$63,700	\$86,900	\$111,800
Texas	Hourly	\$13.95	\$18.40	\$25.09	\$41.00	\$54.04
	Yearly	\$29,000	\$38,300	\$52,200	\$85,300	\$112,400

### Professional Associations linked to the Careers

To learn about specific apprenticeship opportunities, please consult the U.S. Department of Labor [State Apprenticeship Information](#) website.

For general information about apprenticeships, training, and partnerships with business, visit the U.S. Department of Labor [Office of Apprenticeship](#) website.

### Sources

The information provided in this document was collected from the following sources:

- Occupational Outlook Handbook (<http://www.bls.gov/ooh/>)
- O\*NET OnLine (<http://www.onetonline.org/>)
- Texas CARES (<http://www.texascaresonline.com/>)
- CareerOneStop (<http://www.careeronestop.org/>)



**Course Overview:** Focuses on careers in the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water, and related professional and technical support services.

# Transportation Inspectors

**Career Goal (O\*NET Code):** (53-6051) - Inspect and monitor transportation equipment, vehicles, or systems to ensure compliance with regulations and safety standards.

**Student Name:** \_\_\_\_\_

**Grade:** \_\_\_\_\_

**School:** \_\_\_\_\_

## SUGGESTED COURSEWORK

## EXTENDED LEARNING EXPERIENCES

Middle School	8th	<b>HS Courses:</b>	Exploring Careers	<p><b>Curricular Experiences:</b>  <a href="#">Business Professionals of America</a>  <a href="#">Future Business Leaders of America</a>  <a href="#">SkillsUSA</a>  <a href="#">Technology Student Association</a></p> <p><b>Career Learning Experiences:</b>            Career Preparation            Internship            Job Shadowing</p> <p><b>Extracurricular Experiences:</b>            Language Immersion Programs            School Newspaper            Student Government            UIL Academic Competitions            Yearbook</p> <p><b>Service Learning Experiences:</b>            Campus Service Organizations            Community Service Volunteer            Peer Mentoring / Peer Tutoring</p>	
	9th	<b>Core Courses*:</b>	English I Algebra I or Geometry Biology		World Geography Foreign Language I Physical Education
		<b>Career-Related Electives:</b>	Principles of Transportation, Distribution and Logistics		
10th	<b>Core Courses:</b>	English II Geometry or Algebra II Chemistry	World History Foreign Language II Elective		Elective
	<b>Career-Related Electives:</b>	Energy, Power and Transportation Systems or Aircraft Technology			
11th	<b>Core Courses:</b>	English III Algebra II Physics/Principles of Technology	United States History Foreign Language III** Professional Communications or Speech		
	<b>Career-Related Electives:</b>	Transportation Systems Management or Logistics, Planning and Management Systems or Advanced Aircraft Technology			
12th	<b>Core Courses:</b>	English IV AP Calculus 4th Science	Government/Economics Fine Arts Elective		
	<b>Career-Related Electives:</b>	Advanced Aircraft Technology or Advanced Electronics or Practicum in Transportation, Distribution and Logistics			

### COLLEGE CREDIT OPPORTUNITIES -- High School

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated credit courses, if possible. List those courses that count for college credit on your campus.

	<p><b>How to Become a Transportation Inspector</b>          Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.</p>			<p><b>Career Options:</b></p>	<p><b>Professional Associations:</b>  <a href="#">State Apprenticeship Information</a>  <a href="#">Office of Apprenticeship</a></p>
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Postsecondary		<p><a href="#">Texas Southmost College</a>      <a href="#">South Texas College</a>      <a href="#">Texas State Technical College</a></p>	<ul style="list-style-type: none"> <li>• Chief Mechanical Officer</li> <li>• Transit Vehicle Inspector</li> <li>• Smog Technician</li> <li>• Inspector</li> <li>• Motor Carrier Inspector</li> </ul>	<ul style="list-style-type: none"> <li>• Quality Assurance Inspector</li> <li>• Rail Technician</li> <li>• Smog Check Technician</li> <li>• Diesel Engine Inspector</li> <li>• Emission Inspection Technician</li> </ul>
		<p><a href="#">University of Texas at Brownsville</a>      <a href="#">University of Texas - Pan American</a></p>		

\*Students must meet local & state graduation requirements. \*\* Required coursework for Distinguished Graduation Plan (In addition to other measures). \*\*\* Based on campus availability. Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2012. All plans meet high school graduation requirements as well as college entrance requirements.