



# Inspectors, Testers, Sorters, Samplers, and Weighers

SOC Code 51-9061 • Projected Growth (2020) 5 %

## Description

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### What Inspectors, Testers, Sorters, Samplers and Weighers Do

Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment.

Has been identified by O\*NET as a potential green job (green enhanced skills in green economy sector(s): Governmental and Regulatory Administration; Manufacturing.)

### Duties

- **Getting Information** - Observing, receiving, and otherwise obtaining information from all relevant sources.
- **Inspecting Equipment, Structures, or Material** - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- **Communicating with Supervisors, Peers, or Subordinates** - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
- **Identifying Objects, Actions, and Events** - Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
- **Evaluating Information to Determine Compliance with Standards** - Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.

## Training Opportunities Linked to Those Jobs

(Degree Types and Colleges/Universities)

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### Education and Training

These occupations usually require a high school diploma and anywhere from a few months to one year of working with experienced employees. A recognized apprenticeship program may be associated with these occupations.

### Important Qualities

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

**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.

**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.

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

## Local Employers

Roser & J Cowan Logistical Svc	Brownsville	Lockheed Martin Corp	Harlingen
Protrans International Inc	Brownsville	Cec Consulting Engineers	Harlingen
Kemet Electronics Corp	Brownsville	Control Engineering Assoc	Harlingen
Holdar Engineering CO	Brownsville	Blair Axiom Engineering	Harlingen
Corona Engineering & Surveying	Brownsville	American Engineering Svc	Harlingen

## Career Options

(Specific Job Types)

- Inspector
- Quality Assurance Inspector
- Quality Control Inspector
- Picker / Packer
- Quality Assurance Technician
- Quality Control Technician
- Quality Assurance Auditor
- Quality Auditor
- Quality Technician

## Salary Ranges

Wages for **Inspectors, Testers, Sorters, Samplers, and Weighers**

Location	Pay Period	2012				
		10%	25%	Median	75%	90%
United States	Hourly	\$9.84	\$12.54	\$16.57	\$21.85	\$28.29
	Yearly	\$20,500	\$26,100	\$34,500	\$45,400	\$58,800
Texas	Hourly	\$9.09	\$11.83	\$16.08	\$22.57	\$30.96
	Yearly	\$18,900	\$24,600	\$33,400	\$46,900	\$64,400
Brownsville-Harlingen, TX MSA	Hourly	\$7.94	\$8.59	\$10.10	\$16.54	\$22.72
	Yearly	\$16,500	\$17,900	\$21,000	\$34,400	\$47,300

## 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:** Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities.

# Inspectors, Testers, Sorters, Samplers, and Weighers

**Career Goal (O\*NET Code):** (51-9061) - Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment.

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

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

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

## SUGGESTED COURSEWORK

## EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	(Local districts may list high school credit courses here)	<b>Curricular Experiences:</b> <a href="#">BEST Robotics, Inc</a> <a href="#">FIRST High School Robotics Competition</a> <a href="#">SkillsUSA</a> <a href="#">Technology Student Association</a> TSTC Summer Technology Camps UTB Summer Robotics Camp  <b>Career Learning Experiences:</b> Apprenticeship Career Preparation Internship Job Shadowing	<b>Extracurricular Experiences:</b> National Engineering Design Competition School Newspaper Student Government UIL Academic Competitions Yearbook  <b>Service Learning Experiences:</b> Campus Service Organizations Community Service Volunteer Habitat for Humanity Peer Mentoring / Peer Tutoring	
<b>High School</b>	9th	<b>Core Courses:</b>	English I Algebra I or Geometry Biology			World Geography Languages other than English I Physical Education
		<b>Career-Related Electives:</b>	Principles of Manufacturing			
	10th	<b>Core Courses:</b>	English II Geometry or Algebra II Chemistry			World History Languages other than English II
		<b>Career-Related Electives:</b>	Precision Metal Manufacturing or Welding			
	11th	<b>Core Courses:</b>	English III Algebra II or Pre-Calculus Physics/Principles of Technology I			United States History Professional Communications Languages other than English III
		<b>Career-Related Electives:</b>	Advanced Precision Metal Manufacturing or Advanced Welding			
	12th	<b>Core Courses:</b>	English IV Precalculus/Engineering Mathematics/Calculus Engineering Design and Problem Solving	Government/Economics Fine Arts		
		<b>Career-Related Electives:</b>	Practicum in Manufacturing or Problems and Solutions or Career Preparation I			

### 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.

**How to Become an Inspector, Tester, Sorter, Sampler, and Weigher**  
 The education level and qualifications needed to enter these jobs vary depending on the industry and employer. Although a high school diploma is enough for most jobs, experience and extra training is needed for more advanced work.

### Career Options:

### Professional Associations:

<b>Postsecondary</b>		<a href="#">Texas Southmost College</a> <a href="#">South Texas College</a> <a href="#">Texas State Technical College</a>	<ul style="list-style-type: none"> <li>• Inspector</li> <li>• Quality Assurance Inspector</li> <li>• Quality Control Inspector</li> <li>• Quality Assurance Auditor</li> <li>• Quality Technician</li> <li>• Picker / Packer</li> <li>• Quality Assurance Technician</li> <li>• Quality Control Technician</li> <li>• Quality Auditor</li> </ul>
		<a href="#">University of Texas at Brownsville</a> <a href="#">University of Texas - Pan American</a>	

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.