NDT, QUALITY ASSURANCE TECHNICIAN, OCCUPATIONAL CERTIFICATE

Program Information
Nondestructive Testing (NDT) and Inspection is a fast-growing, diverse, high-paying industry. We do more than train you for a job; we prepare you for a career!

Our program offers students the training needed to enter the inspection and quality industry and the hours required for certification with training that conforms to ASNT - American Society of Nondestructive Testing SNT-TC-1A Level II.

We offer a one-year Certificate of Technology, and a second year of advanced courses to earn an Associate of Applied Science (AAS) degree or Level 2 certificate. Courses are offered in the evenings and on Saturdays to accommodate your work schedule.

Job opportunities are diverse, so pick your industry. Graduates may work in industries such as: petrochemical, oil and gas, fabrication, welding, pipeline, turbines, aerospace, and more.

Courses in the program include Nondestructive Testing, Weld Inspection, Metallurgy, Quality, Metrology, and Codes.

Test Methods
Ultrasonic Testing
Phased Array Ultrasonics
Eddy Current Testing
Liquid Penetrant Testing
Magnetic Particle Testing
Visual Inspection
Radiographic Film Interpretation
Metrology
Metallurgy Testing: Charpy, Tensile, Hardness and PMI
Welding Inspection
Pressure Vessel Inspection
Piping Inspection

Career Opportunities
Graduates of San Jacinto College's NDT technology program may find employment as:

- NDT Technicians in: VT, PT, MT, UT, ET, RFI;
- UT Flaw Sizing and Phased Array Inspectors;
- AWS - Certified Welding Inspectors (CWI);
- API Inspectors - API 510, API 570;
- Quality Technicians, Inspectors, or Managers; and
- Metallurgical, Corrosion, or Coating Technicians.

Earning Potential
Wages are based upon experience, skill level, testing method, and a synergy of multiple certifications.

Average Wages Per Year:
Non-Destructive Testing Specialist (median): $59,556 per year
NDT Level I $57,807
NDT Level II $83,739
NDT Level III $103,991
Certified Welding Inspector $64,084
Quality Inspector $49,694
API 510 Pressure Vessels Inspector $86,211
API 570 Piping Inspector $72,347

2 PQNDT
3 American Welding Society Payscale, 2018
4 ASQ QP Fall 2017 Salary Survey
5 American Petroleum Institute Payscale, 2018

For additional information contact 281-478-2799.

Campus
Central Campus

Information
Persons interested in the field of quality improvement are introduced to Total Quality Management (TQM) concepts and applications as well as statistical testing methods. The students can then use these concepts and methods in industries utilizing auditing practices, quality controls, and inspection techniques.

Admission
No admission requirements.

Job entry requirements:

- Pass a drug test on a regular basis;
- Pass a criminal background check;¹
- Some career paths require a TWIC Card; and
- Some career paths require a good driving record.

¹ Requirements vary based on type of offense and years since the offense or the requirements of the facility where the work is being performed.

Plan of Study
Central Campus
6WLD-QAT
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>QCTC 1446</td>
<td>Testing and Inspection Systems</td>
<td>4</td>
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<tr>
<td>ITSC 1309</td>
<td>Integrated Software Applications I</td>
<td>3</td>
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<td>QCTC 1343</td>
<td>Quality Assurance</td>
<td>3</td>
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<tr>
<td>ETWR 1302</td>
<td>Introduction to Technical Writing&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
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| Credits    | 13 |

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<tr>
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<tr>
<td>BMGT 1309</td>
<td>Information and Project Management</td>
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<tr>
<td>QCTC 2331</td>
<td>Standards and Codes</td>
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<tr>
<td>QCTC 1448</td>
<td>Metrology and Prints</td>
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| Credits    | 10 |

| Total Credits | 23 |

**Capstone Experience**: QCTC 2331 Standards and Codes

<sup>1</sup> May use ENGL 1302 Composition II or ENGL 2311 Technical and Business Writing if transferring to a baccalaureate program. Students who have successfully completed ENGL 1302 Composition II or ENGL 2311 Technical and Business Writing may receive credit for ETWR 1302 Introduction to Technical Writing.