Nondestructive testing is examining an object without destroying its usefulness. Our Nondestructive Testing Technology program is one of a few programs of its kind in the United States. We train students to examine products and materials for flaws without damaging the products. Graduates take pride in knowing they are doing something to keep our world safe. Jobs can be found in many industries, including aerospace, power generation and utilities, chemical and petrochemical, defense and military (civilian and enlisted), general manufacturing, and transportation.
Program overview

The program is located on the Milford Campus and is one of the few programs of its kind in the United States that offers an Associate of Applied Science degree. This was developed in cooperation with industries it serves, the program trains technicians in high demand in a variety of industries, including aircraft and aerospace, power generation and utilities, chemical and petrochemical, defense and military (civilian and enlisted), general manufacturing, and transportation.

General Education Requirements

Contact your program advisor to select general education courses from each category which will meet your program’s graduation requirements. See the General Education pages for a complete list.

(One class from each area below).

GELO #1: Oral Communications 3.0
GELO #2: Written Communications 3.0
GELO #3: Critical Thinking & Problem Solving 3.0
GELO #4: Global Awareness and Citizenship
GELO #5: Analytical, Quantitative, and Scientific Reasoning 3.0
GELO #6: Career and Life Skills 3.0

Plus one class from one area below:

In addition students must complete the following course:

GELO #3: Critical Thinking & Problem Solving 3.0-4.0

12 hours

Listed are the courses necessary for a full-time student to complete an A.A.S. degree in Nondestructive Testing Technology. Students must attain a grade of "C" or higher in all NDTT courses to receive an A.A.S. degree.

Required NDTT Courses

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course title</th>
<th>Credit hrs</th>
</tr>
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<tbody>
<tr>
<td>NDTT1121</td>
<td>Visual Inspection Methods</td>
<td>4.0</td>
</tr>
<tr>
<td>NDTT1133</td>
<td>Manufacturing Processes</td>
<td>2.0</td>
</tr>
<tr>
<td>NDTT1164</td>
<td>Blueprint Reading &amp; CAD</td>
<td>2.0</td>
</tr>
<tr>
<td>NDTT1236</td>
<td>Electrical &amp; Electronic Fundamentals</td>
<td>3.0</td>
</tr>
<tr>
<td>NDTT1263</td>
<td>Metallurgy</td>
<td>3.0</td>
</tr>
<tr>
<td>NDTT1356</td>
<td>Liquid Penetrant</td>
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<td>NDTT1360</td>
<td>Ultrasonics I</td>
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<tr>
<td>NDTT1450</td>
<td>Eddy Current I</td>
<td>4.0</td>
</tr>
<tr>
<td>NDTT1458</td>
<td>Magnetic Particle</td>
<td>2.0</td>
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<tr>
<td>NDTT1464</td>
<td>Radiography I</td>
<td>4.0</td>
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<tr>
<td>NDTT1470</td>
<td>Radiation Safety &amp; Administration</td>
<td>4.0</td>
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<tr>
<td>NDTT2569</td>
<td>Radiography II &amp; Film Interpretation</td>
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<tr>
<td>NDTT2570</td>
<td>Eddy Current II</td>
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<tr>
<td>NDTT2652</td>
<td>Ultrasonics II</td>
<td>4.0</td>
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<tr>
<td>NDTT2679</td>
<td>Code Interpretation &amp; Procedure Development</td>
<td>4.0</td>
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<tr>
<td>WELD1191</td>
<td>GMAW and SMAW Industrial Welding Practices</td>
<td>1.5</td>
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</table>

51.5 hours

Basic Tools for Program

*May be purchased at the Campus Store. A 10 percent discount will be given at the Store if the following items are purchased as a complete set.

- * Sharp 506 Calculator, or equivalent scientific calculator
- * Pocket Pen Light w/Batteries
- * Fillet Gage
- * V-Wac Gage
- * 6” Steel Rule
- * 1/4” Graph Pad
- * 8” Pliers
- * 12’ Tape Measure
- * #81 Circle Template
- * Set of French Curves
- * V-I-V-S Overhead Projector Pen (pkg. of 4)
- * Flash Drive Computer Disk (minimum of 2 GB)
- * Large Circle Template
- * Safety Glasses (must meet Z87 specs.)
- * Watch/Stopwatch (capable of measuring time in seconds)
- * Protractor – Alvin No. 375 or equivalent
- * 0-1” Micrometer, Vernier Scale (not digital)
- (2) Hexalon Lead Screens .005”
- (2) Hexalon Lead Screens .010”
- (2) NDR Flexible Cassette
- UT Slide Rule
- 6” Screwdriver – Standard Blade
- Small Phillips Screwdriver
- Sharpie Permanent Marker
- Illuminated Magnifying Lens (10x)

Not included in kit:

- * Leather Welding Gloves