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 includes classroom instruction and hands-on training. Students will gain fundamental experience utilizing liquid penetrant, magnetic particle, ultrasonic, radiographic, Eddy current, and visual inspection techniques while gaining advanced skills later on in computer-based NDT applications. In addition, skills in blueprint reading and CAD, metallurgy and manufacturing processes also are acquired.

The program meets or exceeds the American Society for Nondestructive Testing SNT-TC-1A requirements in each of the NDT disciplines. In addition, students will complete radiation safety and Hazmat training in accordance with state and federal requirements. The curriculum focuses on current industry practices and procedures associated with a wide variety of inspection applications as related to the various industries served.

**Types of jobs available:**
- NDT Technician
- NDT Inspector
- Sales and Marketing Specialist
- NDT Engineer
- Research and Development Specialist
- Contractor
- Business Owner

**Graduate Earnings**
Recent graduates report an average starting wage of $20.50 per hour.

**For more information contact:**
Randy Walbridge, Program Chair
402-761-8346, 800-933-7223 ext. 8346
rwalbrid@southeast.edu

or the College Admissions Office
Milford 402-761-8243, 800-933-7223 ext. 8243

Equal Opportunity/NonDiscrimination Policy - It is the policy of Southeast Community College to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ethnicity, veteran status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of Southeast Community College's policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access/Equity/Diversity, SCC Area Office, 301 S. 68th Street Place, Lincoln, NE 68510, 402-323-3412, FAX 402-323-3420, or jsoto@southeast.edu. This publication should not be considered a contract between SCC and any prospective student. SCC’s Board of Governors reserves the right to make changes in this publication during the life of the publication and without notice.

A0741 - NDT (06/18)
**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 online for a complete list.

(One class from each area below).
- Oral Communications 4.5
- Written Communications 4.5
- Analytical, Quantitative, and Scientific Reasoning 4.5
- MATH1050 or higher (Recommended) (with a grade of C or higher)

(Plus one class from one area below)
- Global Awareness and Citizenship
- Career and Life Skills 4.5

In addition students must complete the following course:
- Critical Thinking & Problem Solving 4.5
- PHYS1017 Technical Physics or PHYS1150 Descriptive Physics

22.5 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>6.0</td>
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<tr>
<td>NDTT1133</td>
<td>Manufacturing Processes</td>
<td>5.0</td>
</tr>
<tr>
<td>NDTT1164</td>
<td>Blueprint Reading &amp; CAD</td>
<td>4.0</td>
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<tr>
<td>NDTT1236</td>
<td>Electrical &amp; Electronic Fundamentals</td>
<td>5.0</td>
</tr>
<tr>
<td>NDTT1263</td>
<td>Metallurgy</td>
<td>6.5</td>
</tr>
<tr>
<td>NDTT1356</td>
<td>Liquid Penetrant</td>
<td>3.0</td>
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<tr>
<td>NDTT1360</td>
<td>Ultrasonics I</td>
<td>7.5</td>
</tr>
<tr>
<td>NDTT1450</td>
<td>Eddy Current I</td>
<td>6.0</td>
</tr>
<tr>
<td>NDTT1458</td>
<td>Magnetic Particle</td>
<td>3.0</td>
</tr>
<tr>
<td>NDTT1464</td>
<td>Radiography I</td>
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<td>NDTT1470</td>
<td>Radiation Safety &amp; Administration</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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<td>NDTT2652</td>
<td>Ultrasonics II</td>
<td>8.0</td>
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<tr>
<td>NDTT2679</td>
<td>Code Interpretation &amp; Procedure Development</td>
<td>6.0</td>
</tr>
<tr>
<td>WELD1191</td>
<td>GMAW and SMAW Industrial</td>
<td>3.0</td>
</tr>
</tbody>
</table>

89 hours

**Estimated Expenses**
Nebraska Resident tuition/fee rate is $69.50 per credit hour. Out-of-state tuition/fee rate is $83.50 per credit hour. Graduation fee is $25.

Housing is available at Beatrice and Milford campuses only. Tuition, books and fees are dependent upon classes taken each quarter.

Students should plan a budget that includes room, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

**FIRST QUARTER**
- Tuition And Fees  $1,355
- Books  1175
- Total  $2,530

**SECOND QUARTER**
- Tuition And Fees  $1,425
- Books  545
- Total  $1,970

**THIRD QUARTER**
- Tuition And Fees  $1,286
- Books  495
- Total  $1,781

**FOURTH QUARTER**
- Tuition And Fees  $1,147
- Books  810
- Total  $1,957

**FIFTH QUARTER**
- Tuition And Fees  $1,251
- Books  630
- Total  $1,881

**SIXTH QUARTER**
- Tuition And Fees  $1,286
- Books  910
- Total  $2,196

Total Estimate For Program  $12,585

**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
  - * VIS-A-VIS 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
  - Sharpie Permanent Marker
  - Small Phillips Screwdriver
  - Illuminated Magnifying Lens (10x)

Not included in kit:
- * Leather Welding Gloves