



Associate of Applied Science Degree

Credit Hours Required for Graduation:  
Associate of Applied Science Degree: ..... 66.5



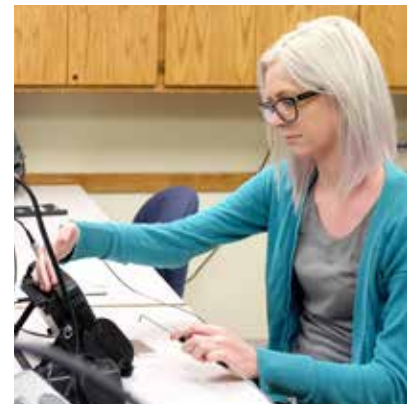
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Milford 402-761-8243, 800-933-7223 ext. 8243

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A0741 - NDTT (09/19)

*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.*



As an SCC Nondestructive Testing Technology program graduate, I received the knowledge and support needed to succeed as both a Level III NDT Technician and a business owner. SCC's comprehensive curriculum is highly respected in the NDT community. I had numerous prospects for employment upon graduation. With SCC as a foundation and a lot of hard work, I was well prepared to take advantage of the opportunities and to build a successful career.

- Jeffrey D. Hilfiker, CWI, ASNT NDT Level III  
President, DBI INCORPORATED



## Top Career Options

- NDT Technician
- NDT Inspector
- NDT Engineer
- Research and Development Specialist



## Graduate Earnings

Recent graduates report an average starting wage of \$20.80 per hour.

2019-2020 Tuition/Fee Rate Per Credit Hour	
Nebraska Resident	\$108
Out-of-state tuition/fee rate	\$129
<b>Estimated Expenses</b>	
Tuition/Fees	\$ 71826
Books	4565
Special Fees	0
Tools/Supplies	270
<b>Total:</b>	<b>\$12,017</b>

## 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 #5: Analytical, Quantitative, and Scientific Reasoning	3.0
MATH1050 or higher (Recommended) (with a grade of C or higher)	

(Plus one class from one area below)	
GELO #4: Global Awareness and Citizenship	
GELO #6: Career and Life Skills	3.0
12 hours	

In addition students must complete the following course:	
GELO #3: Critical Thinking & Problem Solving	3.0-4.0
PHYS1017 or PHYS1150	
	15-16 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

Course #	Course title	Credit hrs
NDTT1121	Visual Inspection Methods	4.0
NDTT1133	Manufacturing Processes	2.0
NDTT1164	Blueprint Reading & CAD	2.0
NDTT1236	Electrical & Electronic Fundamentals	3.0
NDTT1263	Metallurgy	3.0
NDTT1356	Liquid Penetrant	2.0
NDTT1360	Ultrasonics I	4.0
NDTT1450	Eddy Current I	4.0
NDTT1458	Magnetic Particle	2.0
NDTT1464	Radiography I	4.0
NDTT1470	Radiation Safety & Administration	4.0
NDTT2569	Radiography II & Film Interpretation	4.0
NDTT2570	Eddy Current II	4.0
NDTT2652	Ultrasonics II	4.0
NDTT2679	Code Interpretation & Procedure Development	4.0
WELD1191	GMAW and SMAW Industrial Welding Practices	1.5
		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
  - \* 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) Hexalox Lead Screens .005"
  - (2) Hexalox 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

