

*From great people to great performance<sup>SM</sup>*

Hudson



## Hudson Technical Training Center

1200 Watercrest Way  
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## WHAT IS NONDESTRUCTIVE TESTING?

The American Society of Mechanical Engineers defines nondestructive testing (NDT) as the development and application of technical methods to examine materials or components in ways that do not impair future usefulness and serviceability in order to detect, locate, measure, and evaluate flaws; to assess integrity, properties, and composition; and to measure geometrical characteristics.

NDT is an exciting and challenging career field. Society relies very heavily on NDT technology to keep it as safe a place to live as possible. A great deal of responsibility is placed in the hands of NDT technicians and engineers who keep our aircraft, trains, and automobiles operating safely; our pipelines and chemical plants from leaking; and our theme park rides and bridges from collapsing. Therefore, NDT equipment and methods are constantly changing as engineers and scientists work to make the inspection technology better. Today NDT technology is used by a wide variety of industries as the work increases to keep product quality high and scrap rates low.

## HISTORY

Hudson Global Resources (HGR), formerly known as SPEC Consultants, Inc., was founded in 1979 as a local industrial testing and inspection service company. In the mid-1980's we expanded into engineering services and industrial training by establishing SPEC Technical Institute. Today HGR is one of the world's largest providers of specialized professional staffing. HGR's current client base includes electric utilities, government agencies such as NASA, and numerous Fortune 500 construction and engineering companies globally.

## SUMMARY

In previous years and as recent as 2000, SPEC Technical Institute offered a training program similar to the curriculum of Hudson Technical Training Center (HTTC.) By the internal hiring of graduates and outside placements, SPEC Technical Institute's placement rate was over 95 percent. HTTC anticipates the same placement success by presenting HGR's client base, as well as other quality oriented companies with certifiable Nondestructive Testing & Quality Control personnel.

Graduates of HTTC's program will have the necessary qualifications required for an exciting and challenging career in this rapidly growing field. Since labor demands exceed the supply of qualified technicians, many graduates can choose a career in fields such as nuclear power, fossil fuel, petro-chemical, automotive, aeronautic, and many other facets of the industry.

## HTTC'S MISSION

To provide technological industries with qualified, certifiable Nondestructive Technicians and Quality Control Inspectors to an industry that is suffering the loss by an aging work force.

## PROGRAM STRUCTURE

Each class is taught by a certified Level III in the applicable method. Our instructors have extensive industrial and teaching experience. Classes are structured according to the guidelines of SNT-TC-1A, ASNT/ANSI CP-189, MIL-STD-410 and continuing education units (CEU's) are awarded by the American Society for Nondestructive Testing (ASNT). Every course consists of modules that include both classroom lectures and hands-on training. Course materials include visual aids, student hand-outs, and test samples. A certificate is earned upon successful performance in each class, and a diploma is awarded for the completion of the entire Program.

## FACULTY

Our instructors not only are trained in their respective and associated fields, they also have years of wide ranging experience as a result of interfacing with national and international clientele. Dedication is foremost in our philosophy and our instructors will allocate the additional time necessary to ensure that all students comprehend the information being presented to become competent with the NDT/QC methods. Subject Matter Experts (SME) are also utilized by the instructors to facilitate learning.

## LOCATION

HTTC is located at 1200 Watercrest Way, Cheswick, PA 15024 approximately 14 miles north of Pittsburgh and is easily accessible from Exit 48 of the PA Turnpike and Exits 11 or 12 on Route 28.

## ADDITIONAL SERVICES

HTTC also offers in-house training. Course content is tailored to meet your needs.

## CONTACT INFORMATION

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## Hudson Technical Training Center – *a cost effective way to receive NDT training*



Hudson Technical Training Center (HTTC) offers an 11 week Nondestructive Testing and Quality Control Technologies training program.

HTTC provides the right combination of classroom and laboratory NDT training to support industry standards for Level I and Level II qualifications according to the guidelines of: SNT-TC-1A, ASNT/ANSI CP-189, MIL-STD-410. Courses are registered with the American Society for Nondestructive Testing (ASNT) for awarding Continuing Education Units.



Program consists of the following disciplines:

- Intro to Nondestructive Testing
- NDE Mathematics
- QC/Mechanical Inspection
- Visual Inspection (VT)
- Surface Inspections
  - Magnetic Particle (MT)
  - Liquid Penetrant (PT)
- Radiography (RT)
- Ultrasonic Testing (UT)
- Quality Concepts
- Welding Metallurgy (VE)



For more information or to register contact:



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