

## Engineering Technology: Non-Destructive Testing

### Associate of Applied Science Degree

#### Program Overview:

The Non-Destructive Testing Engineering Technology program graduates will possess the knowledge, skills, and abilities to make an intelligent entry into the power producing, construction, and manufacturing industries. Outcomes will include the ability and knowledge to detect defects such as cracking and corrosion, by utilizing the different methods of testing available, such as x-ray, ultrasound, and liquid penetration.

#### How Much Can I Earn?

National Annual Mean Wage: \$47,090  
(2009, Salary.com)

Tennessee Annual Mean Wage: \$44,394  
(2009, Salary.com)

#### What Will I Do On The Job?

Interpret or evaluate test results in accordance with applicable codes, standards, specifications, or procedures. Interpret the results of all methods of non-destructive testing (NDT) such as acoustic emission, electromagnetic, leak, liquid penetrant, magnetic particle, neutron radiographic, radiographic, thermal or infrared, ultrasonic, vibration analysis, and visual testing. Select, calibrate, or operate equipment used in the non-destructive testing (NDT) of products or materials. Examine structures or vehicles such as aircraft, trains, nuclear reactors, bridges, dams, and pipelines using non-destructive testing (NDT) techniques. Make radiographic images to detect flaws in objects while leaving objects intact. Prepare reports on non-destructive testing (NDT) results. Document non-destructive testing (NDT) methods, processes, or results. Produce images of objects on film using radiographic techniques.

#### Possible Job Titles:

Material Testing Technician, NDT Technician, Engineering Assistant, X-Ray Technician, Lab Assistant

#### Who Will Hire Me?

Chattanooga State graduates work for such organizations as: TVA, Bartlett, Alstom, Westinghouse, Team Industrial Services

#### Need More Information?

[www.bls.gov](http://www.bls.gov) ▪ [tcids.tbr.edu/index.html](http://tcids.tbr.edu/index.html)

#### Career Services & Counseling Center

Student Center Room 137 ▪ 423-697-4421