**NON-DESTRUCTIVE TESTING & EVALUATION (NDTE)**

The **Training Elements** of a student in Non-Destructive Testing & Evaluation Engineering Technology major entering a coop program in a company should include some or all of the following:

1. **Testing of Different Components**
* Applying appropriate NDT method(s)
* Detecting and locating internal and external defects
* Evaluation of test results
* Preparing technical test reports
1. **Inspection of Facilities**
* Standard inspection procedures for different mechanical equipment
* Inspection of newly fabricated and in-service components
* Reading & interpreting blueprints, technical drawings and sketches
* Inspection during repair and maintenance of components
1. **NDT in Manufacturing Processes and Welding Technology**
* Application of NDT techniques for materials during manufacturing processes
* Inspection of common welding processes in accordance with welding codes

1. **NDT in Production Planning Control**
* Testing and inspection of material production processes and components in accordance with production control and plans
1. **Quality Control and Reliability Assurance**
* Quality standards and work specifications

International codes and standards related to NDT and inspection activities.