

Nondestructive Examination Technology

Non-Destructive Examination Technology Certificates (C50350)

- Non-Destructive Examination Technology Certificate with a Specialization in Ultrasonic Examination (C50350-C1) (p. 1)
- Non-Destructive Examination Technology Certificate with a Specialization in Visual and Penetrant Examination (C50350-C2) (p. 1)
- Non-Destructive Examination Technology Certificate with a Specialization in Radiographic Examination (C50350-C4) (p. 1)
- Non-Destructive Examination Technology Certificate with a Specialization in Eddy Current Examinations (C50350-11) (p. 1)
- Non-Destructive Examination Technology Certificate with a Specialization in Testing and Measurement (C50350-12) (p. 1)

These are special, short-term certificates offered in the NDET program. The courses listed are taken from the NDET diploma and 0 degree programs. These certificates are issued in accordance with Central Piedmont policy and certify that students have successfully completed the courses (GPA of 2.0 or higher) within the certificate program. These are not certificates to perform NDE. These certificates, along with the process of NDE qualification and testing, are performed by the employer, not Central Piedmont.

Students may earn certificates which build to earning a diploma or degree. Students may earn certificates in the same semester that they earn a degree or diploma.

Non-Destructive Examination Technology Certificate with a Specialization in Ultrasonic Examination (C50350-C1)

Major Requirements

MAT 121	Algebra/Trigonometry I	3.0
NDE 110	Introduction to Nondestructive Examination	3.0
NDE 121	Principles of Ultrasonic Examination-UT Level I	4.0
NDE 122	Angle Beam Examination	4.0
Total Credits		14

Non-Destructive Examination Technology Certificate with a Specialization in Visual and Penetrant Examination (C50350-C2)

Major Requirements

NDE 110	Introduction to Nondestructive Examination	3.0
WLD 141	Symbols and Specifications	3.0
NDE 142	Visual Testing-1,2	2.0
NDE 143	Liquid Penetrant Testing-1,2	2.0
CIS 110	Introduction to Computers	3.0
Total Credits		13

Non-Destructive Examination Technology Certificate with a Specialization in Radiographic Examination (C50350-C4)

Major Requirements

NDE 110	Introduction to Nondestructive Examination	3.0
NDE 131	Radiation Safety and Principles of Radiographic Testing	4.0
NDE 132	RT Industrial Applications	3.0
MAT 121	Algebra/Trigonometry I	3.0
Total Credits		13

Non-Destructive Examination Technology Certificate Specialization in Eddy Current Examinations (C50350-11)

NDE 110	Introduction to Nondestructive Examination	3.0
NDE 153	Eddy Current Testing-1	3.0
NDE 252	Eddy Current Testing (ET)	2.0
WLD 141	Symbols and Specifications	3.0
Select one course from the following options:		1.0
ISC 110	Workplace Safety	
ISC 112	Industrial Safety	
ISC 131	Quality Management	
Total Credits		12

Non-Destructive Examination Technology Certificate Specialization in Testing and Measurement (C50350-12)

Major Requirements

MEC 180	Engineering Materials	3.0
MEC 161	Manufacturing Processes I	3.0
ISC 212	Metrology	2.0
NDE 110	Introduction to Nondestructive Examination	3.0
NDE 121	Principles of Ultrasonic Examination-UT Level I	4.0
NDE 142	Visual Testing-1,2	2.0
Total Credits		17