

**NDT AAS Degree**

Recommended Prior to Entry in Program

Class Number	Course Title	Credits
<b>Completion of Computer Competency (either Competency Test or CIS 120)</b>		<b>0-4</b>

Required Prior to Entry in Program

Class Number	Course Title	Credits
<b>Minimum Placement Scores resulting in MTH 85 placement OR Completion of MTH 20 ("C" or Better)</b>		<b>0-4</b>
<b>Minimum Placement Scores resulting in WR 121 placement OR Completion of WR 65/75/95 ("C" or Better)</b>		<b>0-4</b>
<b>Completion of GS 104 Physical Science: Physics or higher</b>		<b>0-4</b>

0-16

Term 1

<b>NDT AAS Degree Requirements</b>		
Class Number	Course Title	Credits
NDT 100	Non Destructive Test and Inspection Orientation	1
MTH 85	Technical Math I	4
MFG 101	Blueprint Reading	2
NDT 110	Introduction to Ultrasonic Inspection	3
WR 121	English Composition (Plan transition to WR 127 in 1-2 years)	4

14

Term 2

Class Number	Course Title	Credits
MFG 110	Manufacturing Processes I	3
MTH 86	Technical Math II	4
PH 201	General Physics I	5
NDT 111	Ultrasonic Techniques I	2
NDT 160	Introduction to Industrial Radiography	3

17

Term 3

Class Number	Course Title	Credits
MFG 103	Weld Technology I	3
MFG 133	Quality Assurance	3
NDT 112	Ultrasonic Techniques II	2
NDT 120	Eddy Current Inspection Techniques I	3
NDT 150	Dye Penetrant Inspection Techniques I	2
NDT 161	X-Ray Radiography Techniques I	2

15

## Term 4

Class Number	Course Title	Credits
NDT 210	Ultrasonic Techniques III	3
NDT 130	Introduction to Metallurgy	3
MFG 262	Weld Quality Assurance	2
NDT 140	Magnetic Particle Inspection Techniques I	2
NDT 162	X-Ray Radiography Techniques II	2
NDT 250	Dye Penetrant Inspection Techniques II	1
MATC/ NDT Electives		4

17

## Term 5

Class Number	Course Title	Credits
NDT 260	Radiological Safety for Isotopes	3
NDT 261	Isotopic Radiography Techniques I	2
NDT 211	Ultrasonic Techniques IV	2
NDT 240	Magnetic Particle Inspection Techniques II	1
NDT 220	Eddy Current Inspection Techniques II	2
MATC/ NDT Electives		2
SP218, BA285 or PSY 101	Business Human Relations <b>OR</b> Interpersonal <b>Communications OR Applied Psychology</b>	3

15

## Term 6

Class Number	Course Title	Credits
MFG 109	Lean Practices	2
NDT 262	Isotopic Radiography Techniques II	3
NDT 212	Ultrasonic Techniques for Non Ferrous Materials	2
NDT 221	Eddy Current Inspection Techniques III	2
NDT 270	Visual Inspection Techniques	2
NDT 280	Cooperative Work Experience	3
MATC/ NDT Electives		2

16

Total Credit Range ... 94 - 102

## NDT Electives

Class Number	Course Title	Credits
NDT 271	Miscellaneous NDT Tools	2