

Mag Particle / Dye Penetrant Certificate

Recommended Prior to Entry in Program

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

Required Prior to Entry in Program

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

0-16

Term 1

Mag Particle / Dye Penetrant Certificate Requirements		
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
WR 121	English Composition (Plan transition to WR 127 in 1-2 years)	4
NDT 130	Introduction to Metallurgy	3

14

Term 2

Class Number	Course Title	Credits
MTH 86	Technical Math II	4
PH 201	General Physics I	5
MFG 103	Weld Technology I	3
NDT 150	Dye Penetrant Inspection Techniques I	2
NDT 140	Magnetic Particle Inspection Techniques I	2

Term 3

Class Number	Course Title	Credits
SP218, BA285 or PSY 101	Business Human Relations OR Interpersonal Communications OR Applied Psychology	3
MFG 133	Quality Assurance	3
MFG 110	Manufacturing Processes I	3
MFG 262	Weld Quality Assurance	2
NDT 240	Magnetic Particle Inspection Techniques II	1
NDT 250	Dye Penetrant Inspection Techniques II	1
NDT 270	Visual Inspection Techniques	2

15

Course Breakdown by Category

Pre-Req	COCC Gen Ed	MATC /NDT Core	MP / DP Cert. of Comp.
4			

4			

8

		1	
	4		
		2	
	4		
		3	

14

	4		
	5		
		3	
			2
			2

	3		
		3	
		3	
			2
			1
			1
		2	

15

8	20	17	8
Pre-Req	COCC Gen Ed	MATC /NDT Core	MP / DP Cert. of Comp.

45