

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 |

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Term 2

| Class Number | Course Title | Credits |
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| 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 |

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Course Breakdown by Category

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

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