

BISMARCK STATE COLLEGE

Welding Curriculum Guide

Graduation Catalog 2009-2011

Associate in Applied Science

WELDING CORE CURRICULUM CREDITS

| FALL | | CR | GR |
|----------------------|---------------------------------------|-----------|----|
| WELD 165 | Blueprint Symbols for Welding | 3 | |
| WELD 170 | Arc Welding Operations | 2 | |
| WELD 173 | Methods in Arc Welding Operations | 4 | |
| WELD 180 | Shielded Metal Arc Welding | 2 | |
| WELD 183 | Testing in Shielded Metal Arc Welding | 4 | |
| WELD 187 | Types of Non-Destructive Testing | 3 | |
| TOTAL CREDITS | | 18 | |

Select 12 credits -
Offered Fall Only:

| | | CR | GR |
|------------------------|--|-----|----|
| WELD 210 | Gas Tungsten Arc Pipe Welding | 3 | |
| WELD 215 | Testing in Gas Tungsten Arc Pipe Welding | 3 | |
| WELD 220 | Shielded Metal Arc Pipe Welding | 3 | |
| WELD 225 | Testing in Shielded Metal Arc Pipe Welding | 3 | |
| WELD 230 | Gas Metal Arc Pipe Welding | 3 | |
| WELD 235 | Testing in Gas Metal Arc Pipe Welding | 3 | |
| WELD 240 | Special Projects | 3 | |
| WELD 245 | Special Projects | 3 | |
| WELD 197 - WELD 297 | Cooperative Education | 1-3 | |

| SPRING | | CR | GR |
|----------------------|--|-----------|----|
| WELD 110 | Oxyfuel Operations | 2 | |
| WELD 118 | Testing OA in Welding, Brazing, Cutting | 2 | |
| WELD 130 | Advanced Testing in OA Welding, Brazing, Cutting | 2 | |
| WELD 135 | Welding Principles | 2 | |
| WELD 140 | Methods in GMA & FCA Welding | 2 | |
| WELD 145 | Advanced Methods in GMA & FCA Welding | 2 | |
| WELD 150 | Methods in GTA & PA Welding | 2 | |
| WELD 155 | Blueprint Reading for Welders | 3 | |
| WELD 160 | Advanced Methods in GTA & PA Welding | 2 | |
| TOTAL CREDITS | | 19 | |

AAS GENERAL EDUCATION REQUIREMENTS

| | | CR | GR |
|--|---|-----------|----|
| ENGL 110 | College Composition I | 3 | |
| ENGL 120 or ENGL 125 or COMM 110 | College Composition II Introduction to Professional Writing Fundamentals of Public Speaking | 3 | |
| Arts & Humanities/Social & Behavioral Sciences: 1. | | 3 | |
| Business, Math, Science & Technology: (must be from 2 different areas of study) 1. | | 3 | |
| 2. | | 3 | |
| TOTAL CREDITS | | 15 | |

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|---------------------------------------|-----------|
| TOTAL CORE CURRICULUM CREDIT | 49 |
| TOTAL GENERAL EDUCATION CREDIT | 15 |
| TOTAL CREDITS | 64 |