



BISMARCK
STATE COLLEGE

Welding

Diploma

Advising Worksheet* 2016-2017

First Semester

Prescribed Technical Program Requirements

WELD	165	Blueprint Symbols for Welding ¹	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

Second Semester

Prescribed Technical Program Requirements

ENGR	101	Graphical Communication	3
WELD	110	Oxyfuel Operations	2
WELD	118	Testing OA in Welding, Brazing and Cutting	2
WELD	130	Advanced Testing in OA Welding, Brazing, Cutting	2
WELD	135	Welding Principles	2
WELD	140	Methods in GMA and FCA Welding	2
WELD	145	Advanced Methods in GMA and FCA Welding	2
WELD	150	Methods in GTA and PA Welding	2
WELD	160	Advanced Methods in GTA and PA Welding	2
Total Credits			19

Prescribed Technical Program Total	52
General Education Total	9
Total Degree Credits	61

Third Semester

Prescribed Technical Program Requirements

Select 15 credits from the following:

WELD	210	Gas Tungsten Arc Pipe Welding	
WELD	215	Testing in Gas Tungsten Arc Pipe Welding	
WELD	220	Shielded Metal Arc Pipe Welding	
WELD	225	Testing in Shielded Metal Arc Pipe Welding	15
WELD	230	Gas Metal Arc Pipe Welding	
WELD	235	Testing in Gas Metal Arc Pipe Welding	
WELD	240	Special Projects	
WELD	245	Special Projects	
WELD	197 AND	Cooperative Education/Internship AND	
WELD	297	Cooperative Education/Internship	
Total Credits			15

General Education Courses

Arts & Humanities/Social & Behavioral Sciences

1.	3
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Business, Math, Science & Technology

1.	3
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Communications I

1.	3
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Total Credits 9

¹Welding students may start the program in either fall or spring semester. Regardless of when program is started, ENGR 101 must be taken before WELD 165.

Diploma

2016-2017 Catalog

Advisor: _____

Office: _____

Phone: _____

Email: _____

Degree Checklist

Credits

- _____ Earned a minimum of 3 credits in Communications
- _____ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Science
- _____ Earned a minimum of 3 credits in Business, Math, Science & Technology
- _____ Earned prescribed technical program requirements
- _____ Earned minimum Electives (Not required for all programs)
- ☐ Earned a minimum of 60 credits
- Academic Skills Courses (ASC) do not count toward graduation.*

- ☐ Earned a minimum of 15 institutional credits (BSC only)
- ☐ Earned a minimum 2.00 institutional GPA (BSC only)
- ☐ Earned a minimum 2.00 cumulative GPA (BSC + Transfer)
- ☐ Earned a minimum 2.00 GPA in a prescribed technical program
- ☐ Cleared all college obligations
- ☐ Declared program of study is Degree-seeking
- ☐ Filed an Application for Degree

Legend

(*) Course not approved as GERTA

General Education Requirements

Category I: COMMUNICATIONS

Completed _____ Needed _____

(3 Credits) - ENGL 110, 120, 125 or COMM 110 (Select One)

Gr.	Cr.		
_____	3	ENGL 110	College Composition I
_____	3	ENGL 120	College Composition II
_____	3	ENGL 125	Introduction to Professional Writing
_____	3	COMM 110	Fundamentals of Public Speaking

Transfer Course

General Education Requirements Continued

Category II: ARTS & HUMANITIES/SOCIAL & BEHAVIORAL SCIENCES

Completed _____

Needed _____

(3 Credits)

Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
_____	3	ART 110	_____	3	HIST 102	_____	3	POLS 220
_____	3	ART 122	_____	3	HIST 103	_____	3	PSYC 111
_____	3	ART 124	_____	3	HIST 104	_____	3	* PSYC 211
_____	3	ART 130	_____	3	HIST 220	_____	3	PSYC 250
_____	3	ART 210	_____	3	HIST 222	_____	3	* PSYC 261
_____	3	ART 211	_____	3	HIST 224	_____	3	PSYC 270
_____	3	ART 220	_____	3	HIST 225	_____	3	RELS 120
_____	3	ART 221	_____	1-3	* HIST 243	_____	3	RELS 201
_____	3	ART 230	_____	3	HUMS 210	_____	3	RELS 203
_____	3	ART 250	_____	1-4	HUMS 211	_____	3	RELS 220
_____	3	ART 251	_____	2	HUMS 212	_____	3	RELS 230
_____	2	ART 265	_____	3	MUSC 100	_____	3	SOC 110
_____	2	ART 266	_____	1	MUSC 117	_____	3	SOC 115
_____	3	CJ 201	_____	1	MUSC 118	_____	3	SOC 220
_____	3	COMM 211	_____	1	MUSC 121	_____	3	SOC 221
_____	3	* COMM 212	_____	1	MUSC 132	_____	3	SOC 235
_____	3	ECON 105	_____	1	MUSC 133	_____	3	SOC 251
_____	3	ECON 201	_____	1	MUSC 134	_____	3	SOC 252
_____	3	ECON 202	_____	1	MUSC 135	_____	3	SOC 275
_____	3	ENGL 211	_____	1	MUSC 136	_____	4	SPAN 101
_____	3	ENGL 221	_____	1	MUSC 137	_____	4	SPAN 102
_____	3	* ENGL 222	_____	1	* MUSC 138	_____	4	SPAN 201
_____	3	ENGL 233	_____	1	MUSC 145	_____	4	SPAN 202
_____	3	ENGL 236	_____	1	MUSC 146	_____	3	SWK 256
_____	3	ENGL 238	_____	3	PHIL 101	_____	3	THEA 110
_____	3	ENGL 251	_____	3	PHIL 210	_____	3	THEA 161
_____	3	ENGL 252	_____	3	PHIL 220	_____	3	THEA 261
_____	3	ENGL 261	_____	3	PHIL 250			
_____	3	ENGL 262	_____	3	PHIL 253			
_____	3	ENGL 278	_____	3	POLS 115			
_____	3	HIST 101	_____	3	POLS 116			

Transfer Course

Transfer Course

Transfer Course

General Education Requirements Continued

Category III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

(3 Credits)

						Completed_____			Needed_____		
Gr.	Cr.		Gr.	Cr.		Gr.	Cr.		Gr.	Cr.	
_____	3	* ACCT 200	Elements of Accounting I	_____	3/1	CHEM 110	Survey of Chemistry/Lab	_____	3	MATH 146	Applied Calculus I
_____	3	* ACCT 201	Elements of Accounting II	_____	3/1	CHEM 112	Introduction to Forensic Science/Lab	_____	4	MATH 165	Calculus I
_____	3/1	ASTR 150	Meteorology/Lab	_____	3/1	CHEM 114	Chemistry in Art/Lab	_____	4	MATH 166	Calculus II
_____	3	* BADM 202	Principles of Management	_____	4/1	CHEM 115	Introductory Chemistry/Lab	_____	3	* MATH 208	Discrete Mathematics
_____	3	* BADM 210	Advertising I	_____	4/1	CHEM 116	Intro to Organic and Biochemistry/Lab	_____	3	MATH 210	Elementary Statistics
_____	3	* BADM 240	Sales	_____	4/1	CHEM 121	General Chemistry I/Lab	_____	4	* MATH 277	Math for Elementary Teachers I
_____	3	* BADM 281	Organizational Behavior	_____	4/1	CHEM 122	General Chemistry II/Lab	_____	3/1	MICR 202	Introductory Microbiology/Lab
_____	3	* BADM 282	Human Resource Management	_____	4	* CIS 164	Networking Fundamentals I	_____	3	* NUTR 240	Principles of Nutrition
_____	1	* BIOL 102	Introduction to Aquarium Keeping	_____	3	CSCI 101	Introduction to Computers	_____	3/1	PHYS 100	Concepts of Physics/Lab
_____	3	BIOL 109	The Living World	_____	3	CSCI 122	Beginning Visual Basic	_____	3/1	PHYS 110	Introductory Astronomy/Lab
_____	3/1	BIOL 111	Concepts of Biology/Lab	_____	4	CSCI 160	Computer Science I	_____	3/1	PHYS 211	College Physics I/Lab
_____	3/1	BIOL 115	Human Structure and Function/Lab	_____	4	CSCI 161	Computer Science II	_____	3/1	PHYS 212	College Physics II/Lab
_____	3	BIOL 124	Environmental Science	_____	3/1	GEOG 121	Physical Geography/Lab	_____	4/1	PHYS 251	University Physics I/Lab
_____	3/1	BIOL 126	Human Biology/Lab	_____	3/1	GEOL 102	Historical Geology/Lab	_____	4/1	PHYS 252	University Physics II/Lab
_____	3/1	BIOL 150	General Biology I/Lab	_____	3/1	GEOL 105	Physical Geology/Lab	_____	2/1	PLSC 110	World Food Crops/Lab
_____	3/1	BIOL 151	General Biology II/Lab	_____	3	GIS 105	Fundamentals of GIS	_____	3/1	SCNC 101	Physical Science I/Lab
_____	3/1	BIOL 220	Anatomy and Physiology I/Lab	_____	3	* GIS 107	GIS Applications	_____			(Biology & Chemistry)
_____	3/1	BIOL 221	Anatomy and Physiology II/Lab	_____	4	MATH 103	College Algebra	_____	3/1	SCNC 102	Physical Science II/Lab
_____	3/1	BIOL 250	Survey of Tropical Biology/Lab	_____	3	MATH 104	Finite Mathematics	_____			(Physics & Geology)
_____	3/1	BIOL 251	Community Ecology/Lab	_____	2	MATH 105	Trigonometry	_____	3/1	SCNC 103	Physical Science III/Lab
_____	3/1	BOT 170	Plant Form and Diversity/Lab	_____	4	MATH 107	Pre-Calculus	_____			(Astronomy & Meteorology)
_____	3	* BUSN 120	Fundamentals of Business	_____	3	* MATH 137	Applied Algebra	_____	2/1	* SOIL 210	Introduction to Soil Science/Lab
Transfer Course			Transfer Course			Transfer Course					

Electives

						Completed_____			Needed_____		
Gr.	Cr.	Course	Gr.	Cr.	Course	Gr.	Cr.	Course	Gr.	Cr.	Course
_____			_____			_____			_____		
_____			_____			_____			_____		
_____			_____			_____			_____		
_____			_____			_____			_____		

Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC), as well as Math 102, are pre-college courses that indicate the need for college preparation work before enrollment in college level courses. These courses will not carry honor points or earned credit and will not count toward the student's degree program.

Gr.	Cr.			Gr.	Cr.		
_____	2	ASC 082	Effective Reading	_____	2	ASC 92	Algebra Prep II
_____	3	ASC 087	College Writing Prep	_____	2	ASC 93	Algebra Prep III
_____	1	ASC 088	Composition Lab	_____	3/1	ASC 098	Basic Biology/Lab
_____	2	ASC 91	Algebra Prep I				