

BISMARCK STATE COLLEGE

Mechanical Maintenance Technology Curriculum Guide

Graduation Catalog 2009-2011 Associate in Applied Science

MECHANICAL MAINTENANCE TECHNOLOGY CORE CURRICULUM CREDITS

SEMESTER I

CR GR

MMAT 101	Introduction to Industrial Operations	1	
MMAT 103	Safety and Health	3	
MMAT 105	Hand and Portable Tools	2	
MMAT 107	Basic Mechanics	2	
MMAT 109	Measurements	2	
MMAT 111	Schematics Symbols and Blueprints	2	
MMAT 113	Industrial Rigging	1	
MMAT 115	Lubrication, Bearings and Seals	2	
MMAT 117	Material Handling Systems	1	
MMAT 119	Troubleshooting Skills	1	
TOTAL CREDITS		17	

SEMESTER II

CR GR

MMAT 150	Mechanical and Fluid Drive Systems	2	
MMAT 155	Hydraulics and Pneumatics	2	
MMAT 160	Valves and Steam Traps	3	
MMAT 165	Piping and Tubing Systems	3	
MMAT 170	Equipment Installation	3	
MMAT 175	Pumps, Compressors and Turbines	4	
MMAT 215	Nonmetals in the Plant	2	
TOTAL CREDITS		19	

SEMESTER III

CR GR

WELD 110	Oxyfuel Operations	2	
WELD 118	Testing QA in Welding, Brazing, Cutting	2	
WELD 135	Welding Principles	2	
WELD 140	Methods in GMA and FCA Welding	2	
WELD 170	Arc Welding Operations	2	
WELD 173	Methods in Arc Welding Operations	4	
MMAT200	Maintenance Pipefitting	1	
MMAT205	Basic Electricity and Electronics	2	
MMAT 210	Metals in the Plant	2	
TOTAL CREDITS		19	

AAS GENERAL EDUCATION REQUIREMENTS

SEMESTER IV

CR GR

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

TOTAL CORE CURRICULUM CREDIT	55
TOTAL GENERAL EDUCATION CREDIT	15
TOTAL CREDITS	70