

**WELDING/MACHINE TOOL  
SEMESTER OUTLINE  
2008 – 2009    Revised: 6/08**

**Fall Semester**

Course Number	Course Title	Clock Hours	Credits
<u>WLD 105</u>	Oxyacetylene Safety	28	1
<u>WLD 110</u>	Proper Use of the Cutting Torch	14	.5
<u>WLD 111</u>	Shop Orientation Maintenance and Safety	28	1
<u>WLD 112</u>	Oxy-Fuel Welding Cutting	56	2
<u>WLD 113</u>	Shielded Metal Arc Welding	42	1.5
<u>WLD 122</u>	Gas Metal Arc Welding I	126	4.5
<u>WLD 125</u>	Position Welding	168	6
<u>AED 100</u>	Automated External Defibrillator	14	.5
<u>CSC 100</u>	Computer Concepts	21	1
Total		497	18

**Spring Semester**

Course Number	Course Title	Clock Hours	Credits
<u>WLD 114</u>	Ferrous Metallurgy	14	.5
<u>WLD 123</u>	Blueprint Reading	28	1
<u>WLD 135</u>	Gas Metal Arc Welding II	98	3.5
<u>WLD 140</u>	Flux-Cored Arc Welding	140	5
<u>WLD 151</u>	Shop Math	70	2.5
<u>WLD 161</u>	Gas Tungsten Arc Welding	126	4
<u>WLD 165</u>	Air Carbon Arc Gouging	7	.25
<u>AC 100</u>	Applied Communications	7	.25
<u>PSYC 111</u>	Applied Psychology	28	1
Total		518	18

**Second Year – Fall Semester**

Course Number	Course Title	Clock Hours	Credits
<u>MTT 101</u>	Machine Tool Theory I	28	1
<u>MTT 110</u>	Precision Measuring	28	1
<u>MTT 118</u>	Turning/Milling Theory	28	1
<u>MTT 129</u>	Lathe and Mill Operations	126	4
<u>MTT 134</u>	Machine Tool Lab	28	1
<u>MTT 167</u>	Introduction to Computer Numerical Control (CNC)	28	1
• <u>BUS 101</u>	Introduction to Business	48	3
• <u>BUS 120</u>	Principles of Marketing	48	3
<u>CIS 102</u>	Windows Applications for Technicians	48	3
Total		410	18

**Spring Semester**

Course Number	Course Title	Clock Hours	Credits
<u>WLD 200</u>	Pipe Welding I	84	3
<u>WLD 205</u>	Pipe Welding II	84	3
	or		
	Machine Tool Electives	168	6
••	Selected Behavioral Science Course	48	3
••	Selected Communications Course	48	3
••	Selected Mathematics Course	48	3
••	Selected Social Science Course	48	3
Total		360	18

72 credits required for Associate of Applied Science Degree

- A student may choose other Business electives at the discretion of the Director of Enrollment.
- Students will select a course in each of the four areas to meet general education requirements. Courses marked with an asterisk can be transferred directly to the university system under the terms of articulation agreements.

**Behavioral Science**

PSYC 100 – Psychology of Human Relations

PSYC 101 – General Psychology \*

**Mathematics**

MATH 100 – Applied General Math

MATH 101 – Intermediate Algebra

MATH 102 – College Algebra \*

**Communications**

COMM 101 – Contemporary Communication

ENGL 101 – Composition \*

SPCM 101 – Fundamentals of Speech \*

**Social Science**

ECON 101 – Economic Geography

ECON 201 – Principles of Microeconomics I \*

ECON 202 – Principles of Macroeconomics II \*

SOC 100 – Introduction to Sociology \*