

**READING MUHLENBERG CAREER & TECHNOLOGY CENTER
ADULT EDUCATION
CLOCK HOUR/CREDIT HOUR CHART
FSY 2014-2015**

PROGRAM TITLE: WELDING TECHNOLOGY/WELDER (intergenerational)

CIP CODE: 48.0508

PROCEDURE: Each course title within a fulltime program will have the hours broken down into the Classroom/Lecture Hour and/or Shop/Lab Hours spend on that course. The Clock Hours will be placed in the appropriate column. Next, Credit Hours will be calculated at the rate of one Credit Hour for every 10 Classroom/Lecture Hours and one Classroom/Lecture Hours and one Credit Hour for every 20 Shop/Lab Hours, placed in the appropriate column. Columns will be totaled vertically and horizontally.

<u>COURSE TITLES</u>	<u>CLASSROOM/LECTURE HOURS</u>		<u>SHOP/LAB HOURS</u>		<u>TOTAL HOURS</u>	
	Clock	Credit	Clock	Credit	Clock	Credit
Orientation	14	1.4	29	1.95	43	3.35
Oxyacetylene	47	4.7	94	4.7	141	10.4
Shielding Metal Arc Welding (S.M.A.W.)	75.5	7.55	151.5	7.575	227	15.125
General Shop Equipment	42	4.2	84	4.2	126	8.4
Gas Metal Arc Welding (G.M.A.W.)	73	7.3	146	7.3	220	14.6
Flux Core Arc Welding (F.C.A.W.)	16	1.6	32	1.6	48	3.2
Gas Tungsten Arc Welding (G.T.A.W.)	77	7.7	153	7.65	231	15.35
Hard Surfacing with S.M.A.W.	6	.6	12	.6	18	1.2
Blueprint Reading	15	1.5	31	1.55	46	3.05
Plasma Arc Cutting	7.5	.75	15.5	.775	23	1.525

(P.A.C.)						
Pipe Welding	43	4.3	85	4.25	129	8.55
Air Carbon Arc Gouging	6	.6	12	.6	18	1.2
Basic Layout and Construction	22	2.2	43	2.15	66	4.35
Metallurgy	11.5	1.15	23.5	1.175	35	2.325
Work Based Learning	11	1.1	22	1.175	33	2.2
OSHA	5	.5	10	.5	15	1.0
Employability Skills	7	.7	14	.7	21	1.4
TOTALS	478.5	47.85	971.5	49.35	1440	97.225