Industrial Mechanics and Maintenance Technology Apprenticeship

49* credits Date of update: 4/27/2020

Program Coordinator/Advisor: Tracy Placido tracy.placido@umpqua.edu

Program Prerequisites: See requirements needed for first term classes.

a grade of C or better

Possible Term Plan	Course Number	Course Number/Title	Credits	Terms	Prerequisites/Notes
Sequence	APR 140	Beginning Welding for Apprentices	1	W,S	None
	APR 111	***Machine Shop Practices I	3	F,W,S	MTH 052 or MTH 060
	APR 121	Hydraulics I	3	F,W,S	MTH 052 or MTH 060
	APR 131	Basic Metallurgy	3	F	None
	WR 115	Introduction to Expository Writing	4	F,W,S,Su	WR 095* or placement by approved measure; RD 080* or placement by approved measure.
	Choose	Human Relations	3	F,W,S	None
	Credit for Prior Certification (Journeyman Card)		22	F,W,S	None

6 credits Related Instruction from the list below:

Possible Term Plan	Course Number	Course Number/Title	Credits	Terms	Prerequisites/Notes
Related Instruction	MTH 065	Elementary Algebra (or higher) *AND/OR*	4	F,W,S,Su	MTH 060*, placement by approved measure, or instructor permission
	WR 121	Academic Composition *AND/OR*	4	F,W,S,Su	WR 121*
	Choose	Human Relations	3	F,W,S	None

Possible Term Plan	Course Number	Course Number/Title	Credits	Terms	Prerequisites/Notes
Maintenance Millwright	APR 120	Industrial Safety	3	F,W,S	None
	APR 130	Mechanical Principles & Drive Designs	3	F,W,S	None
	APR 141	Intermediate Welding for Apprentices	1	W,S	APR 140
	APR 228	Rigging Fundamentals	3	F,W,S	MTH 052 or MTH 060
	APR 229	Basic Pneumatics	3	F,W,S	MTH 052 or MTH 060
	APR 115	Computer Aided Drafting I	3	F	None
	APR 112	Machine Shop Practices II	3	F,W,S	APR 111
	APR 122	Hydraulics II	3	F,W,S	APR 121
	APR 123	Hydraulics III	3	F,W,S	APR 122
	MTH 075	Applied Geometry	3	F,W,S	
	APR 145	Blueprint Reading and Sketching	3	W	None
	Electives as needed to complete 49 CR			F,W,S	

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Machinist	APR 120	Industrial Safety	3	F,W,S	None
	APR 130	Mechanical Principles & Drive Designs	3	F,W,S	None
	APR 141	Intermediate Welding for Apprentices	1	W,S	APR 140
	APR 228	Rigging Fundamentals	3	F,W,S	MTH 052 or MTH 060
	CIS 120	Intro to Computer Information Systems	4	F,W,S,Su	CIS100*, computer placement scores, or instructor approval
	APR 115	Computer Aided Drafting I	3	F	None
	APR 112	Machine Shop Practices II	3	F,W,S	APR 111

Course Number	Course Number/Title	Credits	Terms	Prerequisites/Notes
APR 113	Machine Shop Practices III	3	F,W,S	APR 112
MTH 075	Applied Geometry	3	S	MTH 052* or MTH 060*, placement by approved measure, or instructor approval
APR 145	Blueprint Reading & Sketching	3	W	None
Electives as needed to complete 49 CR			F,W,S	None

	Course Number	Course Number/Title	Credits	Terms	Prerequisites/Notes
Approved Electives	HD 136	Strategies for Success	3	F,W,S	None
	NRS 110	Foundations of Nursing - Health Promotion	9	F	Acceptance into the nursing program
	NRS 111	Foundations of Nursing - Chronic Illness I	6	W	NRS 110
	NRS 112	Foundations of Nursing - Acute Illness I	6	S	NRS 110
	PN 101	Foundations of Practical Nursing	9	F	None
	PSY 101	Psychology of Human Relations	3	F,W,S,Su	None
	SDP 113	Human Relations for Supervisors	3	F	None
	SP 105	Listening	3	W,S,Su	WR 095* or placement scores of 70 or above in writing; AND RD 090* or placement scores of 85 or above in reading
	SP 218	Interpersonal Communication	3	W,S	WR 095* or placement by approved measure; AND RD 090* or placement by approved measure
	SP 219	Small Group Discussion	3	W,S	WR 095* or placement scores of 70 or above in writing; AND RD 090* or placement by approved measures

Advising Notes	General minimum requirements for entrance are: 18 years of age and high school diploma; GED accepted. CPR/First Aid certification is also required for entry.

Required/ Recommended Equipment and Software	