

INDUSTRIAL APPRENTICE REQUIRED COURSE OUTLINE

DOUGLAS COOS CURRY INDUSTRIAL TATC MA 4007

APPRENTICE NAME: _____

STUDENT ID # _____

TRADE: **MILLWRIGHT**

MAJOR: **AAOTPREAPPR (CERT & AAS-IMMT)**

START DATE: _____

All apprentices must take the following placement tests through the UCC Counseling Office. Should an apprentice score below the average test score in any of these test areas, they will be scheduled into courses to improve their skill level in the specified area(s).

Reading Score	Have you completed a Math 052 or Math 060 class with a "C" or higher?	Y or N
Writing Score		
Math Score		

Program Prerequisite: Completion of MTH 052 or MTH 060 or equivalent placement test score.

The courses listed below will be the core and elective curriculum for the Millwright Apprentice Trade for the four year program.

Course #	Course Title	CR	Hours	Mode	Prerequisites	Term	Date Completed	Final Grade
	CPR / First Aid	0	8					
APR 140	Beginning Welding (Year 1)	1	33	3 lab hrs/wk		Fall (1)		
APR 120	Industrial Safety (Year 1)	3	33	3 lecture hrs/wk		Fall (1)		
APR 141	Intermediate Welding (Year 1)	1	33	3 lab hrs/wk	APR 140	Winter (2)		
MTH 052	Math for the Trades (Year 1) <i>(or as determined by placement test score)</i>	4	33			Winter (2)		
APR 130	Mechanical Principles & Drive Designs (Year 1)	3	33	3 lecture hrs/wk		Spring (3)		
MTH 075	Applied Geometry (Year 1)	3	33		MTH 052 or higher	Spring (3)		
APR 142	Advanced Welding for Apprentices (Year 1) <i>*elective</i>	1	33	3 lab hrs/wk	APR 141	Spring (3)		
APR 143	Pipe Welding (Year 1) <i>*elective</i>	1	33	3 lab hrs/wk	APR 142	Summer		
APR 131	Basic Metallurgy (Year 2)	3	55	1 lecture; 4 lec/lab hrs/wk	WLD 101 or APR140 & MTH 052 or higher	Fall (4)		
APR 145	Blueprint Reading & Sketching (Year 2)	3	45	2 lecture; 2 lec/lab hrs/wk		Winter (5)		
APR 228	Rigging Fundamentals (Year 2)	3	44	2 lecture; 2 lec/lab hrs/wk	MTH 052 or higher	Spring (6)		
APR 115	Computer Aided Drafting 1 CAD (Year 3)	3	33	2 lecture; 2 lec/lab hrs/wk		Fall (7)		
APR 151	Basic Electricity & Electronics (Year 3) <i>*elective</i>	4	55	3 lecture; 2 lec/lab hrs/wk		Fall (7)		
APR 111	Machine Shop 1 (Year 3)	3	66	6 lecture/lab hrs/wk	MTH 052 or higher	Winter (8)		
APR 153	Electrical Applications & Techniques (Year 3) <i>*elective</i>	3	33	3 lecture hrs/wk		Winter (8)		
APR 112	Machine Shop 2 (Year 3)	3	66	6 lecture/lab hrs/wk	APR 111	Spring (9)		
APR 113	Machine Shop 3 (Year 3) <i>*elective</i>	3	66	6 lecture/lab hrs/wk	APR 112	Summer		
APR 121	Hydraulics 1 (Year 4)	3	33	3 lecture hrs/wk	MTH 052 or higher	Fall (10)		
APR 229	Basic Pneumatics (Year 4)	3	33	3 lecture hrs/wk	MTH 052 or higher	Fall (10)		
APR 122	Hydraulics 2 (Year 4)	3	33	3 lecture hrs/wk	APR 121	Winter (11)		
APR 165	AC Electronics & Electricity (Year 4) <i>*elective</i>	4	55	3 lecture; 2 lec/lab hrs/wk		Winter (11)		
APR 123	Hydraulics 3 (Year 4)	3	66	3 lecture hrs/wk	APR 122	Spring (12)		
APR 259	Solid State & Digital Applications (Year 4) <i>*elective</i>	4	55	3 lecture hrs/wk		Spring (12)		

NOTE: Please see the UCC Catalog for additional coursework required to earn a Certificate of Completion or an Associate of Applied Science Degree in Industrial Mechanics Maintenance Technology.

