

APPRENTICE – MILLWRIGHT (BASIC)

CERTIFICATE (C)

DESCRIPTION: Alpena Community College offers Certificates of Completion for basic and advanced millwright apprenticeship training. The curriculum meets current industry standards for this skilled trade. College credits earned in this program may be applied toward the requirements for an associate degree at ACC. This program prepares students to work in an industrial setting with installation and maintenance of hydraulic, pneumatic equipment, power trains, belts, gears, and chains. Students who have completed the basic program may obtain an advanced certificate by completing the specified courses. The Apprentice (APP) courses for this program of study are offered primarily at night on a four-year rotating basis.

BASIC REQUIREMENTS CREDITS: 29-30

APP 100E	ELECTRICAL STUDIES FOR TRADES (3/4)
APP 106M	INDUSTRIAL SAFETY (1/1)
APP 121M or MFG 120	APPRENTICE BLUEPRINT RDG (3/4) ^A or PRINT INTERPRETATION & PROCESSES (3/4) ^A
APP 122M	MACHINE REPAIR (3/4) ^A
APP 124M	APPRENTICE HYDRAULICS (3/4) ^A
APP 125M or MFG 101	APPRENTICE MACHINE SHOP (3/4) ^A or MACHINING PROCESSES I (4/6)
APP 128M	RIGGING & WEIGHT ESTIMATING (1.5/2) ^A
APP 129M	APPRENTICE PNEUMATICS (1.5/2) ^A
APP 223M	PREDICTIVE & PREVENTATIVE MAINTENANCE (3/4) ^A
WLD 123 or WLD 124	SMAW WELDING PROCESSES (4/6) or GMAW & FCAW WELDING PROCESSES (4/6)
MTH 110	TECHNICAL MATH I (3/4)

MINIMUM 29 CREDIT HOURS/39 CONTACT HOURS

NOTES:

^A Courses offered on a four-year rotating basis

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SUGGESTED SEQUENCE OF COURSES

YEAR 1 (FALL SEMESTER)		CREDITS: 15
APP 100E	ELECTRICAL STUDIES FOR TRADES (3/4)	
APP 122M	MACHINE REPAIR (3/4)	
APP 124M	APPRENTICE HYDRAULICS (3/4)	
APP 128M	RIGGING & WEIGHT ESTIMATING (1.5/2)	
APP 129M	APPRENTICE PNEUMATICS (1.5/2)	
MTH 110	TECHNICAL MATH I (3/4)	
YEAR 1 (SPRING SEMESTER)		CREDITS: 14
APP 106M	INDUSTRIAL SAFETY (1/1)	
APP 121M or MFG 120	APPRENTICE BLUEPRINT RDG (3/4) or PRINT INTERPRETATION & PROCESSES (3/4)	
APP 125M or MFG 101	APPRENTICE MACHINE SHOP (3/4) or MACHINING PROCESSES I (4/6)	
APP 223M	PREDICTIVE & PREVENTATIVE MAINTENANCE (3/4)	
WLD 123 or WLD 124	SMAW WELDING PROCESSES (4/6) or GMAW & FCAW WELDING PROCESSES (4/6)	