

MILLWRIGHT (423)

423-502. Apprentice Maintenance Fund. (1 Credit)

Learn how to apply basic maintenance fundamental procedures to simulated and actual situations.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=502>)

423-503. Industrial Safety Apprentices. (1 Credit)

Learn industrial safety concepts and safe work practices. Explore OSHA, lockout/tagout, personal protective equipment, hazardous communication, electrical safety, industrial hygiene, machine guarding, fall protection and permit-required confined spaces. Upon completing this course, you can earn the OSHA 10-hour General Industry card.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=503>)

423-504. Blueprint for Apprentices. (1 Credit)

Learn universally applicable techniques for interpreting mechanical and industrial drawings through the study of drawing standards, abbreviations, basic rules for dimensioning and various views.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=504>)

423-505. Maint Mill II. (3 Credits)

Develop skills as an apprentice in areas such as metallurgy, machine operation and machine repair.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=505>)

423-506. Apprentice Metals Technology. (1 Credit)

Explore basic ferrous metallurgy and the properties of metals. Review both destructive and non-destructive testing of metals, and briefly investigate the properties of cast irons, stainless steels and aluminum.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=506>)

423-507. Apprentice Machining. (1 Credit)

Gain knowledge and skills in machine tool safety, processes, operation, precision measurement and cutting conditions. Produce several acceptable piece parts from standard blueprints.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=507>)

423-508. Apprentice Machine Repair. (1 Credit)

Learn about machine tool assessment and machine repair techniques through discussion and lab. Topics include gear, chain and belt drives; ball screws; couplings; pumps; valves; packings and seals; lubrication and bearings. Apply industry standards to assess machine wear.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=508>)

423-513. Equipment Install Apprentices. (1 Credit)

Learn the latest technology to safely rig, hoist and set in place equipment, and explore the fundamentals of alignment, bearing failure and installation.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=513>)

423-514. Apprentice Pump Piping Systems. (1 Credit)

Learn to safely install, repair and maintain centrifugal pumps and piping systems. Practice current lubrication procedures.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=514>)

423-520. Maint Mill IV. (2 Credits)

Develop skills as an apprentice needed in vibration analysis and other preventive maintenance techniques.

See sections of this course (<http://www.wctc.edu/academics/programs-courses/course-search/course-search-listing.php?code=423&num=520>)