

STRENGTHENING THE WORKFORCE... ONE STUDENT AT A TIME!

CERTIFICATE OF ACHIEVEMENT: Manufacturing Maintenance Mechanic Essentials

Fall 2026 Semester

MFGT 51: MANUFACTURING ESSENTIALS

First nine weeks of the semester

Graphic interpretation, technical sketching, studies in basic energy sources developed for commercial/manufacturing use, basic electrical codes, electrical circuit wiring, industrial electrical troubleshooting and repair, and more.

MFGT 95: MOTOR CONTROL

Second nine weeks of the semester

Study of basic and intermediate motor controls found in the manufacturing industry and the methods used to diagram, wire, operate, and troubleshoot motor controls and their accessories safely. You **MUST** take MFGT 51 before taking this course.

Classes are an evening pathway.



FOR MORE INFORMATION:
Manufacturing Maintenance Mechanic Shop
559-494-3000 ext. 3677
michael.ornelas@reedleycollege.edu

Spring 2027 Semester

MFGT 24: HYDRAULICS

First nine weeks of the semester

This course will cover the basic principles of fluid power, hydraulic sources, controls, systems and hydraulic components. Specific safety regulations in the design and application of hydraulic equipment will be explored. You **MUST** take MFGT 23 or 51 or have taken MFGT 11 before taking this course.

MFGT 96: POWER TRANSMISSION

First nine weeks of the semester

This course will cover basic techniques of identifying worn sprockets, chain sizes, shaft alignment for electrical motor and gearbox connection, ordering parts, identification and application of industrial lubricants, troubleshooting facility lighting, working with conveyors and their components, and completing Preventive Maintenance utilizing a Work Order. You **MUST** have taken MFGT 92 or take MFGT 95 before taking this course.

MFGT 93: PROGRAMMABLE LOGIC CONTROLLERS (PLCs)

Second nine weeks of the semester

This course covers the study of basic Programmable Logic Controllers (PLCs) and the methods of installing, configuring, programming, wiring, operating, and troubleshooting of basic PLCs. It is **ADVISED** to have taken MFGT 92 or take MFGT 95 before taking this course.



YOUR CAMPUS. YOUR FUTURE. YOUR TURN.

#GoTigers • 995 N. Reed Ave., Reedley, CA 93654 • www.reedleycollege.edu • (559) 494-3000