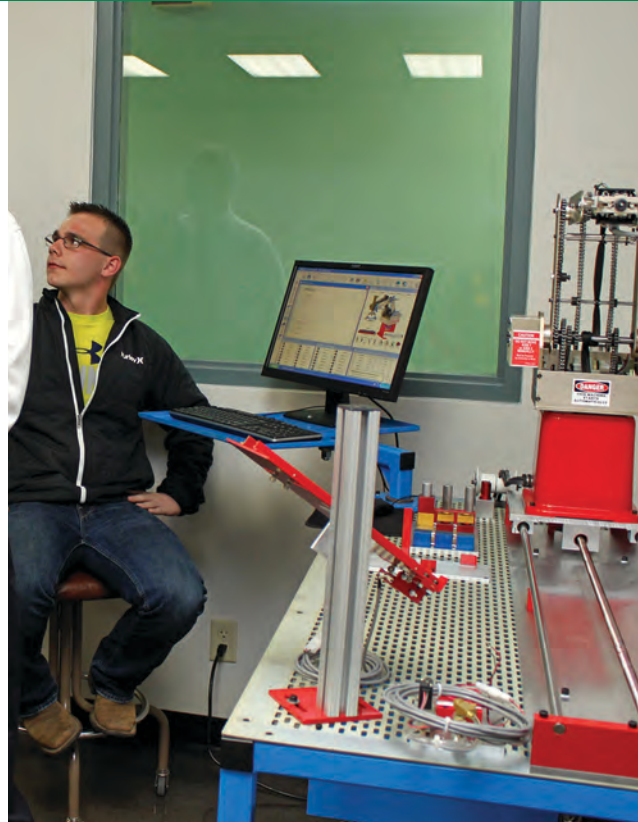


Admission Requirements

Students are admitted to Paris Junior College by furnishing a high school transcript, GED certificate, as a transfer student from another college or upon individual approval. Financial aid is available. Local placement testing is required for all new students. Students should refer to the current semester schedule or contact the Admissions Office at 903.782.0425.



Mechatronics

A technical program preparing you to meet industry's greatest need: employees with electrical, electronic, and mechanical problem-solving skills.



Paris Junior College
2400 Clarksville Street, Paris, TX 75460
903.782.0425 • www.parisjc.edu

Paris Junior College Mechatronics *Change your life at PJC*

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Paris Junior College does not discriminate in admissions or educational programs against any individual on account of an individual's sex, race, color, religion, age, disability, veteran, or any other protected characteristic.



Industry Overview

Today's manufacturing industry relies on electrical control systems, automation and robotics. Programmable logic controls are the heart of automation, displaying the entire manufacturing process on a screen. In modern processes, an electronic brain tells a solenoid to pump hydraulics to increase pressure to move a mechanical arm. Modern manufacturing jobs increasingly need the specialized training provided by this program.



nance or other related areas. The student will study electricity, electronics, hydraulics, electrical control systems, automation and robotics.

The program teaches students how to maintain, repair and install equipment, as well as the theory of why equipment responds the way it does. Students are encouraged to become strong problem solvers so they can troubleshoot and debug equipment issues.

Today's systems give an alert when something goes wrong, and PJC's program teaches system level analysis through a hybrid method. Students study theory online and have open lab for hands-on experiments at flexible times under instructor supervision.

This method of training better accommodates adult schedules, and paces for better content understanding. It allows students to continue working, and business owners have more options for workforce training.

The training focuses on electrical, mechanical and fluid systems and their integration.

Technology now provides control over the entire process involving hydraulic and pneumatic systems (fluid and air).

Program Options

PJC offers both an Associate of Applied Science degree and a certificate in Mechatronics. In both, students will learn to maintain equipment in an industrial setting including the use of Programmable Logic Controllers, Variable Frequency Drives, hydraulic and pneumatic systems, and communications between electrical and electronic systems and mechanical systems.

- Associate of Applied Science degree in Mechatronics (60 credit hours).
- Certificate in Mechatronics (30 credit hours).

