

PowerSports Technology

[PST 132 MC/ATV/UTV Electronics \(3 credit, 2 lecture, 2 lab\)](#)

The theory, principles, and function of powersport electrical systems. Includes the electrical aspects of design, operation, and repair of motorcycle and ATV/UTV engines. Includes ignition systems and electric starter systems of powersport vehicles. Pre-requisite: DSL 131

[PST 140 Intro, Set-up, and Maintenance \(3 credit, 2 lecture, 2 lab\)](#)

A survey of the skills needed for success with powersports vehicles. An emphasis on proper maintenance techniques for on- and off-road land-based recreational vehicles is provided.

[PST 172 Practicum \(2 credit, 0 lecture, 4 lab\)](#)

A course to allow the student an opportunity to receive practical experience in a powersports to acquire work-related skills. This program will be coordinated with classwork throughout the semester.

[PST 232 Suspension, Brakes and Wheels \(4 credit, 3 lecture, 2 lab\)](#)

A survey of the principles of brake systems, wheels, and suspensions systems of motorcycles, ATVs and UTVs.

[PST 270 Fuel Systems \(3 credit, 2 lecture, 2 lab\)](#)

A survey of fuel types and systems for current 2- and 4-stroke engines. Includes coverage of fuel distribution systems and fuel chemistry that pertains to powersports machines. Hands-on learning of inspection, diagnosis, servicing, and troubleshooting.

[PST 275 Engines \(4 credit, 3 lecture, 2 lab\)](#)

A survey of the principles of powersport engines functions and repair. Introduces the procedure for complete powersports engine rebuild. Includes a discussion of 2- and 4-stroke engine types, major components and component disassembly inspection, and repair.