

Power Systems

Length of course: Semester

Eligible grade levels: 10-12

Course credit: .5 credit

Course fee: None

Additional Info: Students who successfully complete this class will also have the opportunity to earn 2 college credits through Nicolet College.



What you will learn in this course:

This course is designed to provide students with a foundational understanding of hydraulic and electrical systems, emphasizing their integration into various modern applications. Through a combination of theory and hands-on experiences, students will develop the basic skills necessary to design, analyze, and troubleshoot these systems.

How you will learn in this course:

Students will learn about these systems in a hands on environment. Industry grade trainers will be used by students to assemble, test and problem solve hydraulic and electrical systems. Students will be able to demonstrate their understanding of these concepts through hands on experiences.

Why this course is important:

In today's rapidly advancing technological landscape, hydraulic and electrical systems play a pivotal role in shaping the future of engineering, technology, and manufacturing. This course provides students with essential skills and knowledge that are highly relevant to several industries. From Modern manufacturing environments to heavy equipment, automobiles, aircraft, and building power systems, hydraulic and electrical systems are key technologies in our modern world. The skills acquired in this course will contribute to highly employable people who can function in the modern workforce.