
Student Success Center

LEAR 101 (0828) College Success Skills

Prerequisite: None

Credit Hours: 1

An introduction to the College, its personnel, its support systems, and its extracurricular activity opportunities for new students.

LEAR 102 Research Skills

Prerequisite: None

Credit Hours: 1

This course is an introductory course to print and electronic research skills. The students will learn to access, evaluate, and use various research tools effectively.

LEAR 103 (1601) Information Literacy

Prerequisite: None

Credit Hours: 2

An introduction to information and its effect on society. The students will learn to access information in various formats, evaluate information for various uses, and effectively and ethically use information for research and in everyday situations.

Welding

WELD 120 Oxy Acetylene and Safety

None Prerequisite: INDU 155 OSHA 10 General Industry or concurrently enrolled

Credit Hours: 3

Skills to be obtained include, but are not limited to, oxyacetylene welding, cutting, and repair. Safety will be emphasized along with interpreting safety rules for using Oxy-Acetylene equipment. This class will include extensive studies in the technology of systems used in today's field of welding-manufacturing, construction, power/energy, transportation, fabrication, and piping processes. The format is lecture, demonstration, student application, and evaluation.

WELD 130 Gas Tungsten Arc Welding Reading

Prerequisite: INDU 155 OSHA 10 General Industry or concurrently enrolled

Credit Hours: 3

This course is a lab course designed to give students practical work experience in Gas tungsten Arc Welding (GTAW or TIG). Students will learn to properly set up and operate TIG welding equipment to weld in all positions on pipe.

WELD 140 Shielded Metal Arc Welding

Prerequisite: INDU 155 OSHA 10 General Industry or concurrently enrolled

Credit Hours: 3

Through classroom and/or lab/shop learning and assessment activities, students in this course will: describe the Shielded Metal Arc Welding process (SMAW); demonstrate the safe and correct set up of the SMAW workstation; associate SMAW electrode classifications with base metals and joint criteria; demonstrate proper electrode selection and perform basic SMAW welds on selected weld joints; and perform visual inspection of welds.

WELD 160 Gas Metal Arc Welding

Prerequisite: INDU 155 OSHA 10 General Industry or concurrently enrolled

Credit Hours: 3

This course is a lab course designed to give students practical work experience in Gas Metal Arc Welding. Students will study the various components of this welding process, will learn to properly set up and operate MIG welding equipment to weld 1F, 1G, 2F, and 2G positions and produce quality pipe welds.