
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 Technology

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

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: explain the gas tungsten arc welding process (GTAW); demonstrate the safe and correct set up of the GTAW workstation; relate GTAW electrode and filler metal classifications with base metals and joint criteria; build proper electrode and filler metal selection and use based on metal types and thicknesses; build pads of weld beads with selected electrodes and filler material in the flat position; build pads of weld beads with selected electrodes and filler material in the horizontal position; perform basic GTAW welds on selected weld joints; and perform visual inspection of GTAW welds.

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 use based on metal types and thicknesses; build pads of weld beads with selected electrodes in the flat position; build pads of weld beads with selected electrodes in the horizontal position; perform basic SMAW welds on selected weld joints; and perform visual inspection of welds