Petroleum Technology (PETR)

Courses

PETR A155 Blueprint Reading 3 Credits
Introduces reading and sketching of process drawings, orthographic projections, and piping isometrics. Overview of measurement types and techniques, basic industrial mathematic calculations and conversions. Covers basic piping systems, tubing systems, welding types and practices. General overview of basic industrial hand tools, and their safe and effective use.
Prerequisites: MATH A055 with a minimum grade of C.

PETR A240 Industrial Process Instrumentation III 3 Credits
Presents details of the installation and application of continuous process instruments in closed feedback control loops. Includes practice of functional check-out procedures on physical hardware. Introduces ladder logic used for discrete control of processes.
Registration Restrictions: Degree-seeking Industrial Process Instrumentation or Process Technology students.
Prerequisites: PRT A144.

PETR A244 Industrial Process Instrumentation IV 3 Credits
Explores techniques used in designing and optimizing control loops. Develops methods for testing and optimizing feedback and feed forward control loops, and introduces loop implementation methods in digital control environments.
Prerequisites: PETR A240 with a minimum grade of C and MATH A105 with a minimum grade of C.