

Industrial Arts

IND2012, Basic Welding and Allied Processes, 2 hours.

This course teaches students the basic fundamentals and general practice in the use of SMAW (stick), GMAW (mig), FCAW (flux), and GTAW (fig) welding, and use of cutting equipment such as oxy-acetylene torch and plasma cutting.

IND2403, COMPUTER AIDED DRAFTING, 3 hours.

IND2413, COMPUTER AIDED DRAFTING II, 3 hours.

This course teaches students to use modern CAD software to produce two-dimensional drawings for manufacturing applications. It also covers coordinating systems, proper dimensioning, use of sectioning and projections for visualization, symbol libraries, file management, and collaborative techniques. It also demonstrates basic principles of Computer Aided Manufacturing (CAM) to show how 2D CAD designs are converted to Computer Numeric Control (CNC) programs to direct automated machining equipment.

T This course is approved by the Kansas Board of Regents for System Wide Transfer among all Kansas public postsecondary institutions offering an equivalent course. Additional courses may also be eligible for transfer. Please visit the FSCC Registrar to learn more. *Offered on demand only. +Offered in 1 to 3 hour increments.