ENGINEERING DESIGN GRAPHICS MECHANICAL SPECIALTY, ASSOCIATE OF APPLIED SCIENCE

Information

Engineering Design Graphics (EDG) is a technical field where engineering data is communicated through drawings and three-dimensional models. Drafters provide support to designers, architects, and all types of engineers, preparing documentation and creating finished drawings for production in the engineering, construction, or manufacturing industries. Drafters translate the ideas of engineers and architects from rough sketches, design layouts, specifications, and calculations into working drawings, maps, plans, illustrations, and 3D models that are used in producing marketable products. They prepare drawings and/or 3D models using computer-aided drafting, design, and 3D modeling software in the fields of mechanical, petrochemical, architectural, civil, and structural engineering.

The EDG department provides several certificate levels and Associate of Applied Science (AAS) degree options. Working with local industry, courses have been clustered into specialty disciplines that provide concentration in specific areas of study. They include: Architectural/Civil/Structural, General, Mechanical, and Petro/Industrial.

Students enrolling into San Jacinto College programs with external learning experiences (i.e., clinical, practicum, externship, cooperative, etc.) will be required to comply with the immunization requirements and policies of the clinical/external learning sites to engage in all clinical/external learning experiences. Vaccination requirements at clinical/external learning sites are implemented pursuant to the independent authority of such facilities and are not mandated by San Jacinto College. Failure to meet the immunization requirements mandated by clinical/external learning sites may limit a student's ability to complete the program and/or may delay the student's graduation date. San Jacinto College does not process exemptions, and students should address potential vaccination exemptions directly with the clinical/external learning site.