

# ENGINEERING DESIGN GRAPHICS MECHANICAL SPECIALTY, ASSOCIATE OF APPLIED SCIENCE

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## 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.

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, Mechanical, and Petro/Industrial.