

Program Objectives

Engineering Graphics Technology (EGT) Program

EGT graduates will demonstrate the following attributes 2-3 years after graduation:

1. Have the aptitude to identify and define a design problem from various angles, assess viability of potential solutions, propose alternative solution and techniques and anticipate impact of proposed solutions.
2. Knowledge of design-drafting principles which are fundamental to current industry standards and applications to mechanical components and systems as well as design of concrete, steel and wood structures.
3. Critical and creative thinking in solving complex problems in the three application areas of EGT, namely, computer aided design (CAD), engineering materials and solid mechanics.
4. Ability to produce project reports, deliver effective oral presentations, develop, prepare and interpret visual aids and communicate effectively in an individual or a group setting.
5. Commitment to continuous improvement in seeking knowledge and skills through advancing course work and training.
6. A global cultural awareness involving diversity in the workplace, acting in a professional manner, manifesting ethical and social responsibilities.

Mechanical Engineering Technology (MET) Program

MET graduates will demonstrate the following attributes 2-3 years after graduation:

1. Have the aptitude to identify the need and analyze a technical problem from all angles; assess viability of potential solutions, propose alternative solutions and techniques and anticipate the impact of proposed solutions.
2. Basic knowledge of mechanical engineering principles that are fundamental to the following application areas: Computer-aided-design, manufacturing processes, solid mechanics, fluid flow analysis and thermal sciences.
3. Critical and creative thinking in solving complex problems in the three application areas of MET, namely, engineering materials, solid mechanics, and applied fluid mechanics or thermal sciences.
4. Ability to produce project reports, deliver effective oral presentation, develop, prepare and interpret visual aids and communicate effectively in an individual or a group setting.

5. Commitment to continuous improvement in knowledge and skills through course work, workshop and advanced training.
6. Possess global cultural awareness involving diversity in the workplace, acting in a professional manner, manifesting ethical and social responsibilities.