

Engineering Technology

Award Type: Associate in Science

The associate degree in engineering technology provides a background for employment as a technician or engineering assistant in support of and under the direction of a professional engineer. The major industries of mining, construction, petroleum, manufacturing, transportation, communications, and public utilities require engineering technologists.

The graduate of the Associate in Science in Engineering Technology will:

- Develop graphic communication skills including orthographic projection; detail and assembly drawings; auxiliaries; sections; dimensioning; and surface development.
- Be able to use computer-aided drafting and design CADD software to create, modify, delete, transfer, and plot graphic files used to produce complete engineering drawings.
- Develop familiarity with the principles and application of engineering drawing, including, freehand sketching, pictorial drawings, engineering lettering, dimensioning, sections, auxiliary, surface finish, standard and geometric tolerancing, threads, and fasteners.
- Develop the ability to use advanced technical drawing techniques on a CAD system to solve design component problems requiring details and assemblies.

Program Requirements

A major of 24 units is required for the degree.

Course Number	Course Title	Units
CS 111	Fundamentals of Programming 1	4.0
ET 100	Computer Aided Drafting and Design	3.0
ET 140	Engineering Drawing	3.0
ET 145	Advanced Engineering Drawing	3.0
ET 117	Print Reading and Interpretation	3.0
PHYS 141	General Physics 1	4.0
PHYS 142	General Physics 2	4.0