

Bachelor of Science in Industrial Management and Applied Engineering Technology
 With a Certificate in Business Administration
 College of Engineering, Texas A&M University-Kingsville

This degree program prepares students for technical and managerial positions within three industries, construction, oil field service, and manufacturing. This field of study is not defined by one position title but a multitude of position titles including ones within the area of safety and risk management. Some common position titles for our graduates are project manager; field engineer; cost estimator; production supervisor or manager; quality technicians and supervisors; and safety coordinator, supervisor, or manager. Starting salaries within this career field range from 40-60 thousand depending on the industry and position hired for.

General Education (32 hr)

ENGL 1301 Rhet & Comp(3 hr)
 ENGL 1302 Rhet & Comp(3 hr)
 HIST 1301 US History.....(3 hr)
 HIST 1302 US History.....(3 hr)
 POLS 2301 US Govt(3 hr)
 POLS 2302 Texas Govt(3 hr)
 ^Cultural Elective.....(3 hr)
 ^Creative Arts Elective.....(3 hr)
 ^Communication Elective.....(3 hr)

Mathematics (6 hr)

MATH 1314 or 1324 (3 hr)
 MATH 1316 or 1325..... (3 hr)

Science (7-8 hrs)

Any CHEM with lab.....(3-4 hr)
 Any PHYS with lab(3-4 hr)

Business Component (12 or 18 hrs)

Industrial Management & Tech (51 or 57 hrs)

ITEN 1311 Technical CAD.....(3 hr)
 ITEN 1315 Intro to Manuf Processes(3 hr)
 ITEN 2301 Industrial Electronics.....(3 hr)
 ITEN 2322 Measurement & Materials(3 hr)
 ITEN 2330 OSHA for General Industrial.....(3 hr)
 ITEN 3306 Manufacturing Processes(3 hr)
 ITEN 3313 Energy Systems(3 hr)
 ITEN 3323 Cost Estimating(3 hr)

Course Descriptions: Department of Industrial Management and Technology

ITEN 1311. Technical CAD.

3 hr credit (3 hr lec - 1 hr lab)

An introduction to a variety of mechanical drafting applications and techniques, including orthographic projection, pictorials, and geometric dimensioning and tolerancing in pencil, and Computer Assisted Drafting and Design.

ITEN 1315. Introduction to Manufacturing Processes.

3 hr credit (3 hr lec - 1 hr lab)

An introduction to manufacturing processes of products using metal, plastic and wood. Laboratory experiences include projects related to machine tool operations, injection molding, thermoforming, CNC lathe, and milling machining

ITEN 2301. Industrial Electronics.

3 hr credit (3 hr lec - 1 hr lab)

Industrial applications of electronics, including passive components, power utilization, solid state devices and electronic production techniques.

ITEN 2322. Measurements and Materials.

3 hr credit (3 hr lec - 1 hr lab)

An introduction to measurement and the sources, properties and testing of a variety of industrial 3(ut)-54(iv0.0005 89.3 reW*n0 Gdt)-54(iv0.0005 89.3 reW*n0 Gdt)-54(i