

ME Oil/Gas Track Outline Certificate Program (15 hrs)

(no increase on the total number of hours to a BS ME degree)

Track Outline:

The Oil/Gas Certificate is designed to prepare mechanical engineering degree seeking students and non-degree seeking students with mechanical engineering background with the fundamental engineering knowledge necessary for successful careers in Oil/Gas Industry. It certifies to employers that students awarded the certificate have completed coursework essential to Oil/Gas industry.

Eligibility requirements:

- Meet the prerequisite courses for the certificate program

To earn a Oil/Gas Certificate –students must earn 15 semester credit hours as follows:

1. ME 3113 Measurements and Instrumentation (required)
2. ME 3823 Machine Element Design I (required)
3. ME Electives (9 semester credit hours) three courses selects from the following list
 - a. ME 4653 Oil and Gas Engineering and Reservoir Geomechanics (new course)
 - b. ME 4643 Pressure vessel and piping design (new course)
 - c. ME 4353 Separations Processes (new course)
 - d. ME 3323 Mechanical Vibration (existing technical elective)

To earn an Oil/Gas certificate, students must satisfy the following requirements

1. Complete all the requirements of the certificate program.
2. Receive a grade of “C-” or better in each course used to satisfy the requirements of the certificate program.
3. Achieve at least a 2.5 grade point average (on a 4.0 scale) in all courses used to satisfy the requirements of the certificate program.

Undergraduates who are currently enrolled in baccalaureate degree program in mechanical engineering or enrolled as non-degree-seeking students and who wish to earn undergraduate certificates are eligible to seek enrollment in the certificate programs. An undergraduate wishing to enroll in a certificate program should contact the Mechanical Engineering Certificate Program Advisor and request permission to enter into the

program. An approval is needed to enter into a certificate program and must be granted by the Certificate Program Advisor and the Dean of the College of Engineering.

Students not currently admitted to UTSA who wish to earn an Oil/Gas undergraduate certificates will be required to apply for admission to UTSA as non-degree-seeking, special students at the undergraduate level, and indicate in the application process their desires to pursue the requirements for an undergraduate Oil/gas certificate program. Applicants will be required to meet University admission requirements for special students at the undergraduate level. After the student is admitted to UTSA as a special undergraduate, the student needs to contact the Certificate Program Advisor and request permission to enter into the certificate program. Approval to enter into a certificate program must be granted by the Certificate Program Advisor and the Dean of the College of Engineering.

Students who are pursuing a certificate as non-degree-seeking students will not be eligible for financial aid or Veterans Administration educational benefits.

Graduate students may enroll in the undergraduate certificate programs, provided they meet the requirements for enrollment in a graduate certificate program

For inquiry regarding this program, please contact Dr. Karimi at (210)458-5514.