

INDUSTRIAL MAINTENANCE TECHNOLOGIES - NATURAL GAS COMPRESSION OPTION

ASSOCIATE IN APPLIED SCIENCE (70 CREDIT HOURS)

Students enrolled in OSUIT's Natural Gas Compression program receive individualized hands-on instruction on the industry's most current technologies. OSUIT's experienced faculty deliver the program in a 24,000 square foot state-of-the-art training facility and have designed it to prepare graduates for a long, successful career in the gas compression industry.

This five-semester program incorporates two semesters of mechanical systems training and two semesters of electrical, electronics, and instrumentation training, followed by one full semester of paid internship experience. The program internship serves to strengthen the student's technical education.

The Natural Gas Compression program receives strong industry support, and GPA/GPSA member companies serve to reinforce industry expectations for professional service technicians. Students participate in school-sponsored career fairs, advisory board meetings, and classroom training sessions. These industry-focused activities connect students with industry partners and assist in building meaningful networking relationships that lead to an internship and employment after graduation.

GPA/GPSA and GCA member companies provide learning opportunities through program internships. Internships allow students to apply what they have learned during the previous classroom/lab sessions in a real-world setting. The Natural Gas Compression program has a high job placement rate because OSUIT program graduates are in high demand in this industry. Most employers provide medical insurance, retirement benefits, transportation, and potential pay bonuses.

This program of study requires special program fees beyond OSUIT's current tuition and mandatory fees.

For current program information – including the required tool list – please contact a Natural Gas Compression advisor at 918-293-4742 or visit osuit.edu/gascompression.

PROGRAM REQUIREMENTS: 45 CREDIT HOURS

INDUSTRIAL MAINTENANCE TECHNOLOGIES CORE REQUIREMENTS (27 CREDIT HOURS)

SEIM	1103	Fundamentals of Industrial Maintenance
SEIM	1123	AC/DC Circuit Analysis
SEIM	1233	Instrumentation & Controls
SEIM	2423	Electronic Control Devices ^[C]
SEIM	2513	Programmable Logic Controllers (PLCs) ^[P]
SEIM	2533	Industrial Maintenance Capstone ^[P]
SEGC	2609	Gas Compression Internship ^[P] or
SEPM	2659	Plant Maintenance Internship ^[P]

NATURAL GAS COMPRESSION OPTION REQUIREMENTS (18 CREDIT HOURS)

SEGC	1123	Engine Principles
SEGC	1133	Advanced Engine Technology
SEGC	1213	Engine Air, Fuel & Starting Systems ^[C]
SEGC	1243	Gas Compressors
SEGC	1313	Advanced Gas Compressors ^[P]
SEGC	2523	Engine Electrical ^[P]



GENERAL EDUCATION REQUIREMENTS: 24 CREDIT HOURS

AMERICAN HISTORY & GOVERNMENT (6 CREDIT HOURS)

HIST	1483	US History to 1865 or
HIST	1493	US History since 1865
POLS	1113	US Government

COMMUNICATIONS (9 CREDIT HOURS)

Select from courses listed below or others as approved by program advisor.

ENGL	1113	Freshman Composition I and
ENGL	1213	Freshman Composition II ^[P] or
ENGL	1033	Technical Writing I and
ENGL	2033	Technical Writing II ^[P]
SPCH	1113	Introduction to Speech Communications or
SPCH	2313	Small Group Communications

COMPUTER LITERACY (3 CREDIT HOURS)

CS	1013	Computer Literacy & Applications
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HUMANITIES (3 CREDIT HOURS)

Select from courses designated with an "H" as approved by program advisor, including, but not limited to, course(s) listed below.

PHIL	1213	Ethics (H, S)
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MATHEMATICS (3 CREDIT HOURS)

Select from courses designated with an "A," including, but not limited to, courses listed below.

MATH	1493	Math for Critical Thinking (A)
MATH	1513	Pre-Calculus (A)

INTERDEPARTMENTAL REQUIREMENTS: 1 CREDIT HOUR

ORIENTATION (1 CREDIT HOUR)

ORIE	1011	College Strategies
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