SCHOOL OF
ENGINEERING &
CONSTRUCTION
TECHNOLOGIES
OSU Institute of Technology

INDUSTRIAL MAINTENANCE TECHNOLOGIES
NATURAL GAS COMPRESSION OPTION

Associate in Applied Science
70 Credit Hours
Fall or Spring Start

First Semester (16 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL				ORIE 1011 College Strategies	1	
1st	SEGC 1123 Engine Principles	3				
1st	SEIM 1103 Fundamentals of Industrial Maintenance	3				
2nd	SEGC 1133 Advanced Engine Technology	3				
ANY				CS 1013 Computer Literacy & Applications	3	
ANY				MATH 1493 Math for Critical Thinking *⊕ OR MATH 1513 Pre-Calculus ⊕	3	
				COWBOY UP! New Student Orientation	0	

Second Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
1st	SEGC 1213 Engine Air, Fuel & Starting Systems Corequisite: SEGC 1243	3				
1st	SEGC 1243 Gas Compressors	3				
2nd	SEGC 1313 Advanced Gas Compressors Prerequisite: SEGC 1243	3				
ANY				ENGL 1113 Freshman Composition I *⊕ OR ENGL 1033 Technical Writing I ⊕	3	
ANY				HIST 1483 US History to 1865 OR HIST 1493 US History since 1865	3	

Third Semester (15 Hours)

ANY = Any Term | FULL = Full Semester Class | 1st = First Half Class | 2nd = Second Half Class

* Recommended

⊕ Corequisite strategies course available. See advisor for details.

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
1st	SEIM 1123 AC/DC Circuit Analysis	3				
	SEIM 2423 Electronic Control Devices Corequisite: SEIM 1123	3				
2nd	SEIM 1233 Instrumentation & Controls	3				
ANY				ENGL 1213 Freshman Composition II* OR Prerequisite: ENGL 1113 ENGL 2033 Technical Writing II Prerequisite: ENGL 1033	3	
				POLS 1113 US Government	3	

Fourth Semester (15 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
1st	SEIM 2513 Programmable Logic Controllers (PLCs) Prerequisite: SEIM 2423	3				
2nd	SEGC 2523 Engine Electrical Prerequisites: SEGC 1213 and SEIM 1123	3				
	SEIM 2533 Industrial Maintenance Capstone Prerequisites: Completion of all previous program requirements, valid driver's license, departmental approval and a 2.0 GPA or higher	3				
ANY				SPCH 2313 Small Group Communications* OR SPCH 1113 Intro to Speech Communications	3	
				Approved Humanities Elective PHIL 1213 Ethics*	3	

Fifth Semester (9 Hours)

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	SEGC 2609 Internship Prerequisites: Completion of all previous program requirements, valid driver's license, departmental approval and a 2.0 GPA or higher	9				

ANY = Any Term | FULL = Full Semester Class | 1st = First Half Class | 2nd = Second Half Class * Recommended ⊕ Corequisite strategies course available. See advisor for details.

For information about OSUIT degrees & majors and how to contact a Student Success & Career Advisor, visit www.osuit.edu.

Disclaimer: The OSUIT plan of study provides a general guide of courses for a given major. It does not constitute a legal contract between OSUIT and other persons or entities. Although every effort is made to ensure this document is current, students are encouraged to seek information specific to their own situation by referring to the official OSUIT Academic Catalog and visiting with a Student Success & Career Advisor. Determinations regarding transfer credits, prior learning credit, and the like will be reviewed on a case-by-case basis. If you have any questions or would like further information, contact us at osuit.academics@okstate.edu.