



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				
	SEIM 1103 Fundamentals of Industrial Maintenance	3				
2nd	SEGC 1133 Advanced Engine Technology	3				
ANY				CS 1013 Computer Literacy & Applications	3	
				MATH 1493 Math for Critical Thinking ^{★⊕} OR	3	
				MATH 1513 Pre-Calculus [⊕]		
				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				
	SEGC 1243 Gas Compressors	3				
2nd	SEGC 1313 Advanced Gas Compressors Prerequisite: SEGC 1243	3				
ANY				ENGL 1113 Freshman Composition I ^{★⊕} OR	3	
				ENGL 1033 Technical Writing I [⊕]		
				HIST 1483 US History to 1865 OR	3	
				HIST 1493 US History since 1865		

Third Semester (15 Hours)

	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	3	
				Prerequisite: ENGL 1113		
				ENGL 2033 Technical Writing II		
				Prerequisite: ENGL 1033		
				POLS 1113 US Government	3	

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

[★] Recommended

[⊕] Corequisite strategies course available. See advisor for details.

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* <u>OR</u> 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.

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