



First Semester (16 Hours)

Program Requirements		Hours	✓	General Education Courses		Hours	✓
ANY				CS 1013 Computer Literacy & Applications		3	
				MATH 1493 Math for Critical Thinking [★] <u>OR</u> MATH 1513 Pre-Calculus [⊕]		3	
1 st	SEGC 1123 Engine Principles	3		GTGE 1111 College Cornerstone <u>OR</u> ORIE 1011 College Strategies		1	
	SEIM 1103 Fundamentals of Industrial Maintenance	3					
2 nd	SEGC 1133 Advanced Engine Technology	3					
				Cowboy Up! New Student Orientation		0	

Second Semester (15 Hours)

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

Third Semester (15 Hours)

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

Fourth Semester (15 Hours)

Program Requirements		Hours	✓	General Education Courses		Hours	✓
ANY				Approved Humanities Elective PHIL 1213 Ethics [★]		3	
				SPCH 2313 Small Group Communications [★] <u>OR</u> SPCH 1113 Intro to Speech Communications		3	
1 st	SEIM 2513 Programmable Logic Controllers (PLCs) Prerequisite: SEIM 2423	3					
2 nd	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 = Any Term; FULL = Full Semester Class; 1st = 1st Half Class; 2nd = 2nd Half Class [★] Recommended [⊕] Corequisite strategies course available. See advisor for details.

~ continued on following page ~

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; **1*** = 1st Half Class; **2nd** = 2nd Half Class ***** Recommended **⊕** Corequisite strategies course available. See advisor for details.

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