

# NATURAL GAS COMPRESSION TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

The Natural Gas Compression Associate of Applied Science Degree is a program that provides the technical basics and knowledge of gas compression procedures, skills, maintenance, and the use of equipment to prepare for entry-level employment, it covers the safety procedures in the workplace, troubleshooting, repairing and operating the natural gas engines and relative materials.

Students must complete all College degree requirements, which include: General Education requirements and elective credits to total at least 61-62 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
<b>General Education</b>		
<i>This degree requires courses from Area I, II, IV, and V; students do not need to take any additional General Education courses to meet the requirement</i>		13-14
Area I: Communications		
ENGL 1110G	Composition I	
Area II: Mathematics		
Any Area II Mathematics course for 3-4 credits <sup>1</sup>		
Area IV: Social/Behavioral Sciences		
An Area IV course for 3 credits from the list in the footnote <sup>2</sup>		
Area V: Humanities		
HIST 1110G	United States History I	
<i>General Education Elective</i>		
ENGL 2210G	Professional & Technical Communication	3
<b>Core Requirements</b>		
HIST 1120G	United States History II	3
INMT 237	Hydraulics I	2
INMT 165	Equipment Processes	4
INMT 205	Programmable Logic Controllers and Applications	4
NGEC 133	Natural Gas Engine Repair Technology	5
NGEC 175	Natural Gas Compression Technology I	4
NGEC 245	Natural Gas Engine Management and Control Technology	5
NGEC 185	Natural Gas Compression Technology II	4
NGEC 246	Fuel and Emissions Technology	5
OEET 110	Basic Electricity and Electronics	4
OETS 100	Industrial/Construction Safety	2
OETS 118	Mathematics for Technicians	3
<b>Total Credits</b>		<b>61-62</b>

<sup>1</sup> See the General Education section of the catalog for a full list of courses.

<sup>2</sup> The Area IV courses that are recommended for this degree:

- ANTH 1115G Introduction to Anthropology
- ECON 1110G Survey of Economics
- ECON 2110G Macroeconomic Principles
- ECON 2120G Principles of Microeconomics
- GEOG 1120G World Regional Geography
- GEOG 1130G Human Geography
- POLS 1120G American National Government
- POLS 1110G Introduction to Political Science
- SOCI 1110G Introduction to Sociology

## A Suggested Plan of Study

Additional classes may be needed based on placement test results and course prerequisites. Visit with an advisor for help with creating a customized plan.

<b>First Year</b>		
<b>Fall</b>		<b>Credits</b>
OETS 100	Industrial/Construction Safety	2
OETS 118	Mathematics for Technicians	3
INMT 237	Hydraulics I	2
ENGL 1110G	Composition I	4
Area IV: Social/Behavioral Sciences Course <sup>1</sup>		3
<b>Credits</b>		<b>14</b>
<b>Spring</b>		
OEET 110	Basic Electricity and Electronics	4
INMT 165	Equipment Processes	4
ENGL 2210G	Professional & Technical Communication	3
NGEC 133	Natural Gas Engine Repair Technology	5
<b>Credits</b>		<b>16</b>
<b>Second Year</b>		
<b>Fall</b>		
INMT 205	Programmable Logic Controllers and Applications	4
NGEC 175	Natural Gas Compression Technology I	4
NGEC 245	Natural Gas Engine Management and Control Technology	5
HIST 1110G	United States History I	3
HIST 1120G	United States History II	3
<b>Credits</b>		<b>19</b>
<b>Spring</b>		
NGEC 185	Natural Gas Compression Technology II	4
NGEC 246	Fuel and Emissions Technology	5
Area II: Mathematics Course <sup>1</sup>		3-4
<b>Credits</b>		<b>12-13</b>
<b>Total Credits</b>		<b>61-62</b>

<sup>1</sup> See the General Education section of the catalog for a full list of courses.

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- ANTH 1115G Introduction to Anthropology
- ECON 1110G Survey of Economics
- ECON 2110G Macroeconomic Principles
- ECON 2120G Principles of Microeconomics
- GEOG 1120G World Regional Geography
- GEOG 1130G Human Geography
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