

NEW MEXICO JUNIOR COLLEGE
ASSOCIATE OF APPLIED SCIENCE
in ENERGY TECHNOLOGY



GENERAL EDUCATION REQUIREMENTS - 17 Credit Hours				
COURSE	TITLE	CREDITS	SEMESTER	GRADE
ENGL 1110	Composition I	3		
	Introduction to Chemistry or General Chemistry I	4		
	College Algebra	3		
	Statistics	3		
	Survey of Physics or Algebra-based Physics I	4		

MAJOR ENERGY TECHNOLOGY - 30 Credit Hours				
COURSE	TITLE	CREDITS	SEMESTER	GRADE
ENGT 213A	Environmental Health & Safety	3		
ENGT 213B	Fundamentals of Instrumentation & Controls	3		
ENGT 213C	Programmable Logic Controllers	3		
ENGT 213F	Fundamentals of Prints & Drawings for Tech.	3		
ENGT 223A	Thermodynamics, Heat Transfer & Fluid Flow	3		
ENGT 223B	Mechanical Science	3		
ENGT 223C	Fundamentals of Vacuum Technology	3		
ENGT 223D	Material Science for the Energy Industry	3		
ENGT 223E	Electrical Theory	3		
ENGT 213	Cyber Security for the Energy Industry	3		

DEPARTMENTAL ELECTIVES - Select 3 Credit Hours				
BUSA 2110	Business Communication	3		
ENGT 223F	Process Management	3		
ENGT 233	Energy Technology Internship	3		
ENGT 236	Energy Technology Internship	6		
MATH 1230	Trigonometry	3		
MATH 1510	Calculus I	3		

Petroleum Technology Emphasis - 13 Credit Hours				
COURSE	TITLE	CREDITS	SEMESTER	GRADE
ENGT 203	Introduction to Oil and Gas	3		
ENGT 213E	Petroleum Recovery and Production Methods	3		
ENGT 213D	Drilling Technology and Operations	3		
GEOL 1110C	Physical Geology	4		

Total credit hours required for AAS: 63 **Total Credit Hours Acquired:**

Cumulative GPA:

All courses, other than General Education requirements, must be completed with a "C" or better.
The student must have a cumulative grade point average of at least 2.0.
A minimum of 15 semester hours must be earned at NMJC. The remainder may be acceptable transfer credits.
Transitional and / or developmental courses do not fulfill any of the above requirements.
Students will not be permitted to graduate if they have unresolved incomplete (I) grades on their academic record.
Although college officials will provide assistance, it is the final responsibility of the student to check all phases of his or her degree completion.

Updated Fall 2023