

NEW MEXICO JUNIOR COLLEGE
ASSOCIATE OF APPLIED SCIENCE
in ENERGY TECHNOLOGY



NAME: _____

A# : _____

GENERAL EDUCATION REQUIREMENTS - 17 Credit Hours

COURSE	TITLE	CREDITS	SEMESTER	GRADE	COURSE	TITLE	CREDITS	SEMESTER	GRADE
CHEM 1120 or CHEM 1215C (CH 114 or 114A)	Introduction to Chemistry or General Chemistry I	4			MATH 1220 (MA 113)	College Algebra	3		
ENGL 1110 (EN 113)	Composition I	3			MATH 1350 (MA 113B)	Statistics	3		
					PHYS 1115C or 1230C (PH 114C or 114)	Survey of Physics or Algebra-based Physics I (Intro. to Physics OR General Physics I)	4		

DEPARTMENTAL REQUIREMENTS - 30 Credit Hours

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

DEPARTMENTAL ELECTIVES - Select 3 Credit Hours

COURSE	TITLE	CREDITS	SEMESTER	GRADE	COURSE	TITLE	CREDITS	SEMESTER	GRADE
BU 243	Business Communication	3			ENGT 236	Energy Technology Internship	6		
ENGT 223F	Process Management	3			MATH 1230 (MA 123)	Trigonometry (Plane Trigonometry)	3		
ENGT 233	Energy Technology Internship	3			MATH 1510 (MA 144)	Calculus I (Calculus & Analytic Geometry I)	4		

EMPHASIS AREAS - Select 1 Emphasis

Nuclear Energy Emphasis - 12 Credit Hours

COURSE	TITLE	CREDITS	SEMESTER	GRADE	COURSE	TITLE	CREDITS	SEMESTER	GRADE
ENGT 213G	Fundamentals of Radiological Control	3			ENGT 223	Fundamentals of Nuclear Science	3		
ENGT 213H	Radiological Control Systems	3			ENGT 223G	Radiological Instrumentation	3		

OR

Petroleum Technology Emphasis - 13 Credit Hours

COURSE	TITLE	CREDITS	SEMESTER	GRADE	COURSE	TITLE	CREDITS	SEMESTER	GRADE
ENGT 203	Introduction to Oil and Gas	3			ENGT 213D	Drilling Technology and Operations	3		
ENGT 213E	Petroleum Recovery and Production Methods	3			GEOL 1110C (GE 114)	Physical Geology	4		

Total credit hours required for this AAS: 62 or 63

Total Credit Hours Acquired: _____

Cumulative GPA: _____

All courses, including 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 program.

When the student has fulfilled all requirements of the degree plan (or will fulfill this semester) the advisor should verify completion (by reviewing the student's transcript), sign and date this section, and notify the Registrar via email.

Advisor's Signature *

Date:

Degree is not official until final confirmation by the Registrar.

This section for Registrar's use:

Official Degree Conferral Date

Diploma Print Date

Registrar or Designee Signature *

**Typing of the signature by the advisor, registrar or registrar's designee will act as the official signature on this document.*