

**NEW MEXICO JUNIOR COLLEGE**  
**ASSOCIATE OF APPLIED SCIENCE**  
in ENERGY TECHNOLOGY



**GENERAL EDUCATION REQUIREMENTS - 17 Credit Hours**

COURSE	TITLE	CREDITS	SEMESTER	GRADE
ENGL 1110 (EN 113)	Composition I	3		
	Introduction to Chemistry or General Chemistry I	4		
	Mathematics	3		
		3		
	Survey of Physics or Algebra-based Physics I	3		

**DEPARTMENTAL REQUIREMENTS - 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**

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

**Nuclear Energy Emphasis - 12 Credit Hours**

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

**Total credit hours required for AAS: 62**

**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.