

**NEW MEXICO JUNIOR COLLEGE DEGREE PLAN
ASSOCIATE OF APPLIED SCIENCE IN ENERGY TECHNOLOGY**

NAME: _____

ID # _____

EMPHASIS: _____

Minimum credit hours required (Radiological Control) 73-76 hours

Minimum credit hours required (Nuclear Technician) 68-71 hours

Total hours acquired: _____

A minimum of 12 semester hours must be earned at NMJC. The remainder may be acceptable transfer credits

The student must have a cumulative grade point average of at least 2.0

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

INSTITUTIONAL REQUIREMENT					
		GRADE			GRADE
PS 110	College Orientation	(0)	_____	PS 113A, Freshman Seminar	(3) _____

GENERAL EDUCATION REQUIREMENTS - 19-22 credit hours					
		GRADE			GRADE
EN 113	Composition & Rhetoric	(3)	_____	MA Math Elective (<i>MA Prefix</i>)	(3) _____
EN 123A	Report Writing for Technicians	(3)	_____	CH 114 Current Concepts of Chemistry <u>or</u>	(4) _____
SE 103	Applied Communications	(3)	_____	PH 114C Introduction to Physics	(4) _____
MA	Math Elective (<i>MA Prefix</i>)	(3)	_____		

DEPARTMENTAL REQUIREMENTS - 30 credit hours					
		GRADE			GRADE
HM 223	Environmental Health & Safety	(3)	_____	INDT 123 Introduction to Thermodynamics, Heat Transfer, and Fluid Flow	(3) _____
HM 233B	Transportation of Hazardous Material	(3)	_____		
INDT 113E	Basic Electrical Theory	(3)	_____	INDT 123A Introduction to Programmable Logic Controllers	(3) _____
INDT 113F	Fundamental of Instrumentation and Controls	(3)	_____	INDT 213A Fundamentals of Prints and Drawings for Technicians	(3) _____
INDT 113G	Computer Applications for Energy Technicians	(3)	_____	INDT 213B Material Science for the Energy Industry	(3) _____
				INDT 223 Introduction to Process Management	(3) _____

EMPHASIS AREAS					
Radiological Control - 24 credit hours					
		GRADE			GRADE
INDT 113N	Fundamental of Nuclear Science	(3)	_____	RW 213 Radiological Control Systems	(3) _____
RW 113A	Introduction to Radiological Control	(3)	_____	RW 213A Radiological Monitoring & Protection	(3) _____
RW 123	Fundamentals of Radiological Control	(3)	_____	RW 223 Radiological Transportation & Emergencies	(3) _____
RW 133	Standards & Theory of Radiological Control	(3)	_____	RW 223A Radiological Instrumentation	(3) _____

Nuclear Technician - 19 credit hours					
		GRADE			GRADE
INDT 113D	Nuclear Chemistry	(3)	_____	INDT 213 Fundamentals of Vacuum Technology	(3) _____
INDT 113N	Fundamentals of Nuclear Science	(3)	_____	INDT 223A Nuclear Safety and Reliability	(3) _____
INDT 123B	Nuclear Physics and Reactor Theory	(3)	_____	INDT 224 Nuclear Technician Applications	(4) _____

STUDENT SIGNATURE:

ADVISOR SIGNATURE:

DEAN'S SIGNATURE:

REGISTRARS OFFICE:

OFFICIAL DEGREE PLAN FILING DATE

Although college officials will give every assistance possible, it is the final responsibility of the student to check all phases of his or her degree.