

Fall Semester of the First Year		On-Campus	Online
PTAP 210	Principles of Rehabilitation	5	
PTAP 230	Clinical Externships (Acute)	4	
PTAP 250	PTA Procedures III	4	
PTAP 260	Seminar	2	
PTAP 140	Therapeutic Exercise (L)		3
PTAP 160	PTA Procedures II (L)		3
	Total	15	6
Spring Semester of the Second Year		On-Campus	Online
PTAP 210	Principles of Rehabilitation (L)		5
PTAP 260	Seminar		2
PTAP 270	Clinical Externships (Outpatient)	7	
PTAP 290	Clinical Externships (Rehab)	7	
	Total	14	7
Total PTA Program On-Campus		49	
Summer Semester of the Second Year		On-Campus	Online
PTAP 230	Clinical Externships (Acute)		4
PTAP 250	PTA Procedure III (L)		4
	Total		8
Fall Semester of the Second Year		On-Campus	Online
PTAP 270	Clinical Externships (Outpatient)		7
PTAP 290	Clinical Externships (Rehab)		7
	Total		14
Total PTA Program Online			49

RENEWABLE ENERGY

Photovoltaic and Solar Thermal Systems

Associate of Applied Science and Certificate

The Photovoltaic and Solar Thermal Systems degree is appropriate for students who want to earn a degree in the renewable energy field and who want to pursue further education. The Renewable Energy Program at San Juan College gives the student a solid foundation in the science, as well as in the design and installation techniques required to work with renewable energy technologies. Students will gain the knowledge and skills necessary to design and safely install electrical energy systems based on the latest photovoltaic and power conditioning equipment as well as the design and application of passive and active solar systems.

One-Year Certificate

San Juan College's Renewable Energy program offers a one-year certificate in Photovoltaic System Design and Installation, which is appropriate for students who already have a college degree, or who currently work in a related industry.

Associate of Applied Science

To earn the Associate of Applied Science degree, students must complete the course requirements for the one-year certificate in addition to general education courses. Students may enroll in general education courses prior to admission to the program, but taking the general education courses that apply to the Renewable Energy curriculum does not guarantee acceptance into the program.

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Renewable Energy is a selective program. Enrollment in RENG courses is limited to those who have been accepted into the program. Specific requirements must be met in order to enter the Renewable Energy Program. Contact the School of Energy or the program coordinator for further information.

For the latest program changes and selection process that may supersede the printed catalog, see the program’s web pages at <http://www.sanjuancollege.edu/reng>. If you do not have internet access contact the School of Energy or the program coordinator at 505-327-5705.

This program requires students to have their own tools. To obtain a list of the required tools, contact the School of Energy or the program coordinator.

PROGRAM SELECTION REQUIREMENTS

To be eligible for the Renewable Energy Program selection process, students must have:

1. Achieved a minimum high school or college cumulative GPA of 2.50 or comparable GED scores. The GPA requirement must be fulfilled before being admitted into the program. (College GPA is based on a minimum of 12 non-remedial credits, those numbered 110 or higher.)
2. Met the admission requirements as found at the program’s web pages at <http://www.sanjuancollege.edu/reng>. If you do not have internet access contact the School of Energy or the program coordinator at 505-327-5705.

A student must earn a grade of C or higher in all courses to obtain a certificate or degree.

Prerequisites Note: Many courses require prior mathematical and computer software experience. MATH 115 and COSC 116 are prerequisites for the one-year certificate. Transfer credits are acceptable for substitution.

AAS = Associate of Applied Science

C = Certificate

Prerequisites		AAS	C
MATH 115	Intermediate Algebra and Applications	4	4*
COSC 116	Spreadsheets	3	3*
ENGL 118	Technical Composition	3	
ENGL 218	Advanced Technical Composition	3	
CHEM 110	Introductory Chemistry	4	
COMM 110	Public Speaking OR		
COMM 120	Business and Professional Communication	3	
	Humanities/Social Science Elective	3	
	Total	23	7
Summer Session		AAS	C
INST 140	Applied Basic DC Circuits	3	3
PHYS 111	Introduction to Physics	4	4
	Total	7	7
1st Semester		AAS	C
INST 144	National Electrical Code	3	3
INST 145	Applied Basic AC Circuits	3	3
INST 175	Renewable Energy Instrumentation	3	3
RENG 242	Photovoltaic Installation and the NEC I	3	3
RENG 242L	Photovoltaic Installation and the NEC I Lab	2	2
RENG 252	Passive Solar Design and Analysis	4	4
	Total	18	18

2nd Semester		AAS	C
INST 215	Renewable Energy AC and DC Machines	3	3
RENG 150	Modeling with Google SketchUp	3	3
RENG 220	Photovoltaic Theory and System Design	4	4
RENG 243	Photovoltaic Installation and NEC II	3	3
RENG 243L	Photovoltaic Installation and the NEC II Lab	2	2
RENG 260	Solar Thermal Design and Application	3	3
	Total	18	18
	Total Credits	66	43

*Prerequisites before enrolling in the one year certificate program.

RESPIRATORY THERAPY

Associate of Applied Science

This is an associate degree program that prepares students with the knowledge, clinical, and behavioral skills essential to providing competent and caring services consistent with community and employer expectations. Students acquire skills in patient assessment, clinical data evaluation, blood gas analysis, pulmonary function testing, therapeutic techniques, emergency and critical care management, pulmonary rehabilitation and home care, and other special cardiopulmonary procedures.

The Respiratory Therapy program, NM, holds a Letter of Review from the Commission on Accreditation for Respiratory Care (CoARC) (www.coarc.com). Phone: (817) 283-2835
Address: Commission on Accreditation for Respiratory Care
1248 Harwood Road, Bedford, Texas 76021-4244

Admission Requirements:

Admission into the program is limited and competitive. The Respiratory Therapy admissions scoring criteria will be used in the selection process. An applicant must have a high school diploma or equivalent. The criteria includes the following:

A. Prerequisites: (45%)

BIOL 121	Introductory Biology I	4
CHEM 110	Introductory Chemistry	4
MATH 114	Math for Health Careers*	3
ENGL 111	Freshman Composition	3
COMM 110	Public Speaking -OR-	
COMM 111	Interpersonal Communications	3

*Intermediate Algebra taken by an applicant before may be considered.

B. Admissions Test (20%)

Health Occupations Admission Test (HOAT) is the prescribed admissions test.

Other tests will be considered such as TEAS or HOBET. Applicants who have completed and earned an associate degree or higher are not required to take the admissions test.

C. Recommendations, previous education and training, CPR, work experience, and job shadowing (35%)

D. Criminal Background Check, Immunization Record/ Health Certificate, and Drug Screen

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