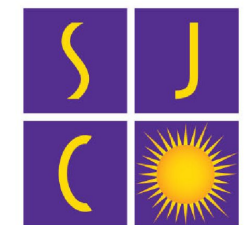




# The School of Energy

Today and Tomorrow

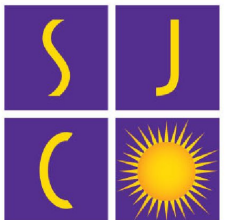


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# School of Energy Overview

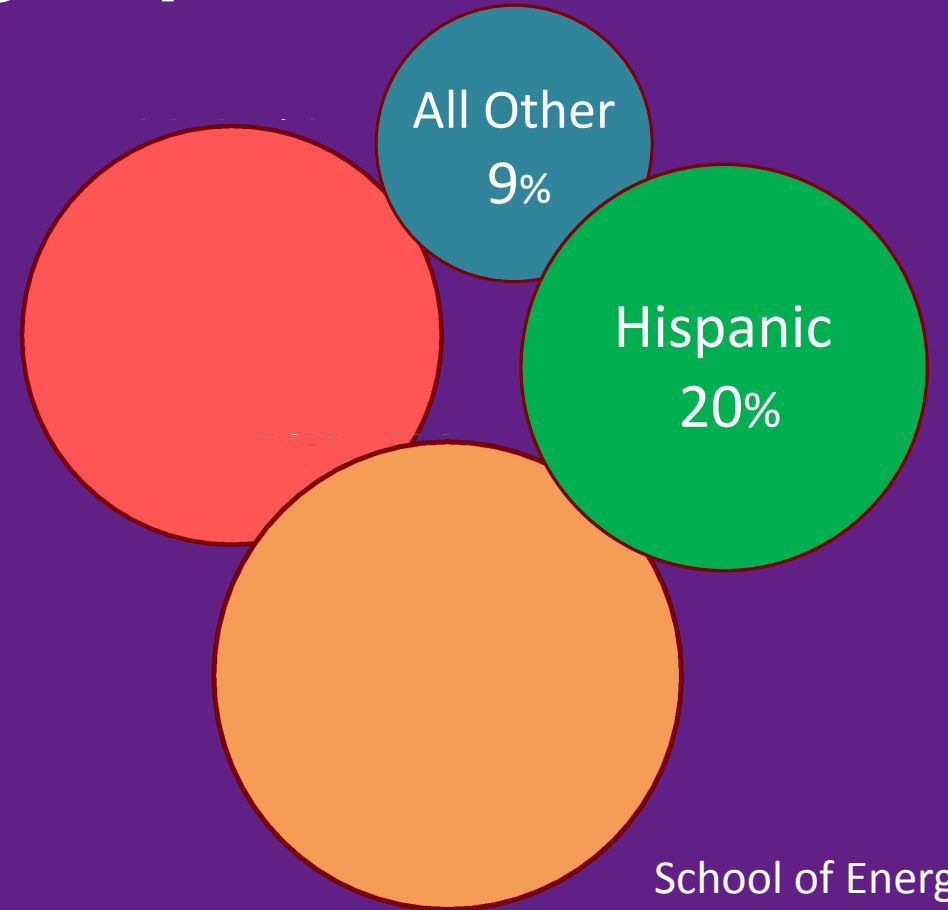
History of:

- Partnership with industry
- Program design collaborating with industry
- Just-in-time flexibility
- Certificate/Degree/Non-Credit Credential
- Majority-Minority Institution

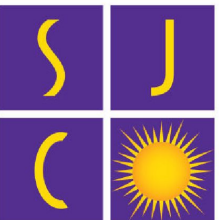


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# Student Demographics



School of Energy  
2019 - 2020

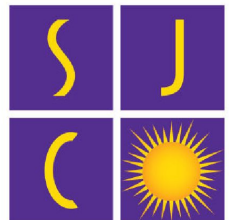


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# Academic Programs

## Degree or Certificate Programs:

- Advanced Petroleum Production
- Natural Gas Compression
- Instrumentation Controls Electrical Technology
- Industrial Process Operations
- Industrial Maintenance Mechanic
- Occupational & Commercial Construction Safety
- Tribal Energy Management Studies
- Commercial Drivers License



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# Center of Excellence

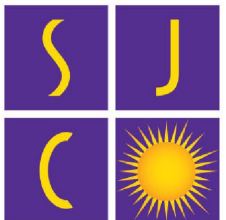
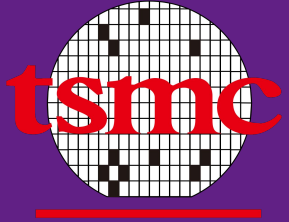
The Center of Excellence for Renewable Energy and Sustainability initially identified four areas of possibility.

They are:

- 1) Electric Vehicle Technology
- 2) The Recycling and Repurposing of Lithium Ion Batteries
- 3) Education of Issues Surrounding Water Security and Sustainability
- 4) Hydrogen and its Role in Providing Clean and Affordable Energy



# Partner Sampling



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# ENERGY, MANUFACTURING & TRANSPORTATION

## Associate of Applied Science, Industrial Process Operator

The Industrial Process Operator program is designed to prepare students for entry level positions as plant operators, operations technicians, multi-skilled operators of power generation, natural gas processing, refineries, mining, semiconductor, beverage, petrochemical and pharmaceutical processes.

### SALARY INFORMATION



Graduate Average

\$52,620

National Average  
\$47,760

### OCCUPATIONAL OUTLOOK

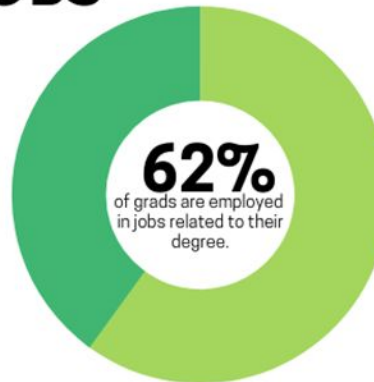
**7% Growth**

expected nationwide  
2019-2029



Information via the  
Bureau of Labor Statistics.

### DEGREE RELATED JOBS



**77%**

of graduates **Strongly Agreed** or **Agreed** that this degree prepared them well for their career.



### EMPLOYERS



HEAVY OIL SOLUTIONS



MATHESON  
ask. . .The Gas Professionals™



NAVAJO  
AGRICULTURAL  
PRODUCTS  
INDUSTRY



New Mexico  
GAS COMPANY

### WHAT OUR GRADUATES ARE SAYING...

"This is an awesome program! Thank you to San Juan College for helping me further my education."

Industrial Process Operator Graduate

Graduate information was collected from FA16-FA19 graduates.



# ENERGY, MANUFACTURING & TRANSPORTATION

## Associate of Applied Science, Occupational Safety

The Occupational Safety associate degree provides students with a through education in the growing field of safety. Students are prepared for entry level positions in a variety of industries, while providing seasoned professionals the opportunity to hone their knowledge and skills.

### SALARY INFORMATION



Graduate Average

\$71,315

National Average  
\$57,400

### OCCUPATIONAL OUTLOOK

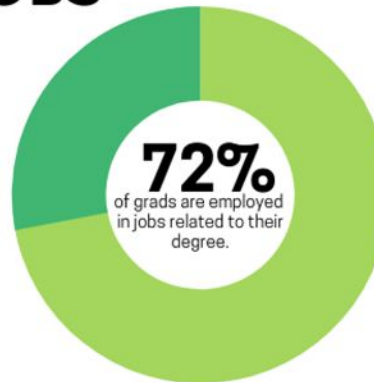
6% Growth

expected nationwide  
2019-2029



Information via the  
Bureau of Labor Statistics.

### DEGREE RELATED JOBS



76%

of graduates  
**Strongly Agreed**  
or **Agreed** that  
this degree  
prepared them  
well for their  
career.

### EMPLOYERS



Weatherford®

Graduates that were  
already employed prior  
to completing their  
degree experienced  
these **changes in their  
employment**:



- Pay Raise
- Promotion in Position Level
- Promotion to Permanent Position

Graduate information was collected from FA16-FA19 graduates.





# ENERGY, MANUFACTURING & TRANSPORTATION

## Certificate, Commercial Driver's License

The Commercial Driver's License program provides the training and skills necessary for individuals to pass the three-part CDL exam. Students learn in the classroom, on a simulator, in a truck on a the training course and in a truck on the highway.

### SALARY INFORMATION



Graduate Average

\$44,771

National Average  
\$45,260

### OCCUPATIONAL OUTLOOK

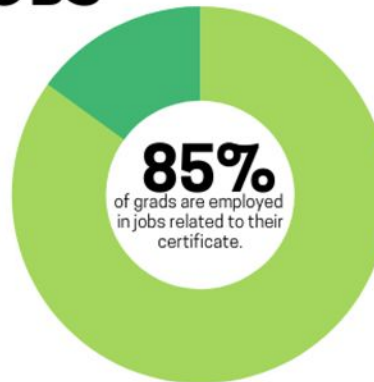
5% Growth

expected nationwide  
2019-2029



Information via the  
Bureau of Labor Statistics.

### DEGREE RELATED JOBS



# 70%

of graduates **Strongly Agreed** or **Agreed** that this degree prepared them well for their career.



### EMPLOYERS



### WHAT OUR GRADUATES ARE SAYING...

"The CDL instructors were very helpful and knowledgeable. Courses were fast paced but they took the time to answer any questions."

Commercial Driver's License Graduate

Graduate information was collected from FA16-FA19 graduates.



# ENERGY, MANUFACTURING & TRANSPORTATION

## Associate of Applied Science, Tribal Energy Management

The Tribal Energy Management associate degree focuses on Tribal Energy Management curriculum along with general education courses, online energy core curriculum courses and student-selected energy concentration courses.

### SALARY INFORMATION



Graduate Average

\$63,077

National Average  
\$46,540

### OCCUPATIONAL OUTLOOK

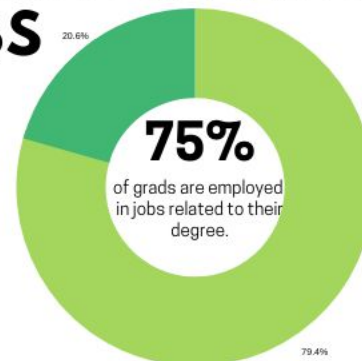
9% Growth

expected nationwide  
2019-2029



Information via the Bureau of Labor Statistics.

### DEGREE RELATED JOBS



75%

of graduates **Strongly Agreed** or **Agreed** that this degree prepared them well for their career.

### EMPLOYERS



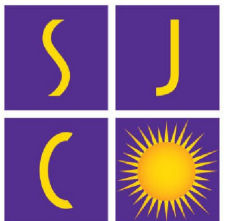
### WHAT OUR GRADUATES ARE SAYING...

"The Tribal Energy Management program at San Juan College is a top notch one of a kind program. I was very satisfied with the curriculum."

Tribal Energy Management Graduate

# Non-Credit Offerings

- Well Control
- Industrial Safety
- Tribal Energy Management Studies
- Specialized Stackable Certificates



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# Addressing the Future

- Forms and sources of energy
- Stackable credentials
- Employer collaborations





# Questions

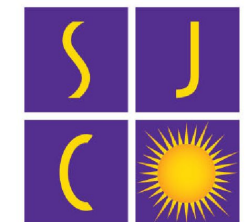
Alicia Corbell

Dean

School of Energy

(505) 566-4034

[corbella@sanjuancollege.edu](mailto:corbella@sanjuancollege.edu)



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