TEM

Tribal Energy Management Degree Program
San Juan Community College
School of Energy
Tribal Energy Management Degree Program

- A comprehensive degree program targeting Native American students, energy industry leaders, and government officials

- Designed to
  - Enhance management and entrepreneurial capacity in tribal communities
  - Increase industry and government understanding of how the energy business is conducted in tribal communities
  - Promote a collaborative relationship between government, industry, and tribal organizations in the development of tribal energy resources
Tribal Energy Management Degree Program

- Facilitated by professionals experienced in the tribal energy industry
- Incorporates guest lecturers from various facets of the tribal energy industry to share real-world experiences
- Designed in partnership with tribal organizations and industry
  - Tribes: Southern Ute, Jicarilla, Navajo, Ute Mt. Ute, Three Affiliated Tribes (Mandan, Hidatsa, Sahnish)
  - Industry: Arizona Public Service (APS); Navajo Transitional Energy Company (NTEC); Missouri River Resources Production Company (MRR); Navajo Agricultural Products Industry (NAPI); Navajo Nation Oil and Gas Company (NNOGC); Raytheon; Conoco Phillips; BP; A Plus Well Service; Southern Ute- AKA Energy; Southern Ute-Red Willow; Los Alamos National Lab
TEM Degree Program: Program Requirements

1. General Education (15 hrs.)
   • Delivered on campus or online

2. Energy Core (15 hrs.)
   • Delivered online

3. Area of Concentration (15-16 hrs.)
   • Student selects one topic
   • Delivered on campus and online

4. Tribal Energy Management (15 hrs.)
   • Delivered on campus in 5 one-week seminars
   • See next slide for additional information
### TEM Degree Program
#### Tribal Energy Management Requirements

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Seminar #</th>
<th>Description</th>
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<td>TEM 110</td>
<td>Seminar #1</td>
<td>Introduction to Federal Indian Policy</td>
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<td>- Emergent-Current</td>
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<td>TEM 211</td>
<td>Seminar #2</td>
<td>Introduction to Indian Energy Development</td>
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<td>TEM 210</td>
<td>Seminar #3</td>
<td>Introduction to Tribal Governance, Sovereignty, and Regulations</td>
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<td>TEM 212</td>
<td>Seminar #4</td>
<td>Introduction to Tribal Business, Finance, and Human Resources</td>
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<td>TEM 213</td>
<td>Seminar #5</td>
<td>Doing Business On Tribal Lands</td>
<td>A Practical Approach</td>
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This seminar presents an overview of the history of Federal Indian Policy from ‘emergent’ to current times. By presenting the eight (8) eras/periods, the student will better understand the evolving relationship between the US government and the Indian Tribes within its borders, illuminating the impact that past policies and treaties have on current protocols.

**Course Learning Objectives:**

The student will be able to:

- Sequence major historical events pertaining to Federal Indian Policy.
- Describe the general intent of US Congressional acts and legislation from 1776 to present.
- Explain the relevance of the evolving relationship between the US government and Indian tribes from pre-1776 to present day practices.
This seminar focuses on Indian Energy Resources, including land, minerals, and water. The seminar explores the basis for tribal ownership of energy resources and tribal management of these resources. The interface and potential conflict among tribal, state and federal agencies over the use and management of these resources is also discussed, along with the critical position that water holds in the delivery.

**Course Learning Objectives:**
The students will be able to:

- Describe the exploration, production/mining, transportation, and marketing of conventional and alternative energy sources.
- Demonstrate the ability to use basic legal and technical terms associated with tribal land rights and ownership.
- Describe title and ownership structures and the restrictions associated each. (tribal, allottee, fee simple)
- Explain the impact of federal jurisdiction on tribal land.
- Describe environmental issues regarding water and energy on tribal lands.
This seminar covers tribal sovereignty and governance, as well as regulatory topics legislated and enforced at a federal, state, and tribal level. It also includes a foundational view of permitting processes, drilling plan requirements, zoning restrictions, and other controls implemented by tribal governments with the purpose of protecting tribal resources and utilizing the resources in the best interest of the tribe.

**Course Learning Objectives:**
The students will be able to:

- Make distinctions between a federally recognized Indian Tribe, Alaska native, Hawaii native, and a pueblo, as well as the difference between Constitution and non-Constitution Tribes.
- Describe the evolution of tribal sovereignty to the current state.
- Explain various domains of Native American self-determination, including tribal direct service, contracts, compacts, and self-governance.
- Draw a simple flow chart showing how federal regulations are executed in tribal businesses.
- Describe the impact of state and tribal regulations on the energy business.
This seminar provides students with a basic understanding of the forms of business ownership and the language of business and managerial accounting on tribal and non-tribal lands. Using actual case studies, students experience how a strategic plan is created, and the unique challenges inherent to the tribal energy business. All topics emphasize ethical and social responsibility and specific issues experienced in energy development in tribal communities.

Course Learning Objectives:
The students will be able to:

- Analyze the environment in which business operates, the effect of economic conditions on business performance, and the role accounting plays in business.
- Explain the structure of four (4) tribal energy business models, including the financing, taxation treatment, and risk/reward of each.
- Describe how staffing, training, and performance management contribute to executing a successful business.
TEM Degree Program  
Tribal Energy Management Requirements  
Seminar #5

This seminar takes a comprehensive look at how business is executed on tribal land, including the recognition and appreciation of cultural influences and the importance of respecting local tribal leadership in conducting business activities. Students interface with tribal leaders in four (4) local tribes to cognize the elements necessary to organize, submit, and fulfill an energy project on tribal lands. Application of knowledge and theories from previous TEM courses are integrated in this course.

Course Learning Objectives:
The student will be able to:

• Articulate the diversity in tribal decision making processes between four (4) different tribes.
• Compare and contrast tribal energy operations in four (4) different tribes.
• Describe internal communication process between tribal programs and enterprises in four (4) different tribes.
• Describe four (4) tribe’s vision/strategy for human resource development.
• Describe the elements necessary to fulfill a project on tribal lands, in compliance with federal and tribal laws and regulations.
San Juan College: US Leader in Native American Education

• Over 30% of student body consists of Native American students

• Ranks 2nd among community colleges in the nation in number of associate degrees awarded to Native American students

• Effective Native American student success services
  o Native American Center, Tutoring and Career Advisement Centers

• Strong relationships with industry partners

• Affordable: Comparison/credit hour (resident; non-resident)
  o UNM- $235/811; Highlands University-$122/221; Central New Mexico CC- $50/270;
  SJC-$46/146
  o Source: Approved Institutional FY15 Operating Budgets
San Juan College: School of Energy Overview

- Successful industry partnerships contributed to construction of 65,000 square foot facility
  - State-of-the-art laboratories
  - Hands-on and cut-away equipment
  - Fully functioning wellsite
- Degree programs designed in collaboration with industry
  - Industrial Process Operations
  - Industrial Maintenance Mechanic
  - Advanced Petroleum Production Operations
  - Instrumentation and Controls Technology
  - Occupational Safety
San Juan College
School of Energy Contact Information

Dave Williams / CEO
Missouri River Resources
701 – 627 - 3058
ddwilliams@mhanation.com

Georgia Cortez
School of Energy Advisor
505- 566-3890
cortezg@sanjuancollege.edu