

**SYLLABUS** ENER 122 Introduction to Compression .5 credits

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| **CATALOG DESCRIPTION:** Course presents basic principles of the natural gas compression process and compressor skid design for production operations. Covers standard terminology of skid components to promote effective communication for identifying maintenance issues and potential malfunctions. By understanding and correctly identifying compressor skid components, design, and function, students will be able to perform basic troubleshooting.  Prerequisites: Must have completed 80% of ENGY Certificate requirements  Semester Offered: Spring, Summer, Fall |

**Course Learning Outcomes**

Common Student Learning Outcomes *Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in…*

## Broad and Specialized Learning

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

## Critical Thinking

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

## Cultural and Civic Engagement

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

## Effective Communication

Students will exchange ideas and information with clarity in multiple contexts.

## Information Literacy

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

## Integrating Technologies

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

*Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes.  For more information, please refer to the Dean of the appropriate School.*

Upon successful completion of the course, the student will be able to…

1. Identify skid components used with wellhead compressors.
2. Find basic compression terms.
3. Discuss the basic principles of normal production operations.
4. Identify compressor skid components causing most specific malfunctions.
5. Describe the types of compressors used in the natural gas Industry.