

# Information Guide

# Pipeline Integrity Program

Associate in Applied Science Degree  
School of Energy Technologies

[http://go.osuit.edu/academics/energy\\_technologies/pipeline\\_integrity/](http://go.osuit.edu/academics/energy_technologies/pipeline_integrity/)



***INSTITUTE OF  
TECHNOLOGY***



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Oklahoma State University Institute of Technology  
Natural Gas Compression Program

CONTACT PERSONS

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## **Pipeline Integrity Program**

At the request of companies that have hired graduates from the Natural Gas Compression, Electrical/Electronics and Instrumentation programs at OSUIT for many years, the Pipeline Integrity program was developed. These companies providing critical input into the tasks and duties a graduate from the Pipeline Integrity program should be able to perform on the job. OSU Institute of Technology has formed a partnership to develop a Pipeline Integrity Associate in Applied Science degree to train skilled technologists that install, operate, maintain, repair, and manage corrosion, integrity and security of pipelines.

The purpose of this program is to develop a reliable and continuous source for technologists specifically trained in pipeline integrity and corrosion control to enter the petroleum industry. The curriculum is structured to assure that the technical competency of the graduates will allow them to not only be high-caliber entry level technologists, but will also enable them to advance in position with additional experience and to understand new systems and processes as they are introduced.

The program incorporates a full semester paid internship as an ongoing part of the program to allow students to use and reinforce in a real world setting what they have learned in their classrooms and labs.

### **Program Objective**

The Pipeline Integrity program is a cooperative five semester college level student education program which leads to an Associate in Applied Science degree with a major in Pipeline Integrity. The School of Energy Technologies at Oklahoma State University Institute of Technology, working in close relationship with companies, whose pipelines are regulated by Department of Transportation throughout the United States, to enable students to develop the skills and knowledge required to be successful in the pipeline industry.

### **Program Purpose**

The purpose of the programs are to upgrade the technical competency and professional level of incoming pipeline integrity technologists. It will develop the skills and knowledge required to be successful in the pipeline industry, including assessing pipeline damage and risk, corrosion control, regulations, safety, design, and integrity management. It will provide course content that will enable successful graduates to advance in position after additional experience, and to understand new systems and components as they are introduced.

## Program Structure

The two-year, five semester program incorporates four semesters designated for technical and academic education at Oklahoma State University Institute of Technology (OSUIT). The remaining semester is allocated for a paid Internship, on-the-job experience, at sponsoring company locations. A two semester block of technical education and general education course work is followed in the third semester by an internship experience that reinforces the technical education. During the fourth and fifth Students will attend classes at OSUIT before graduating.

It is essential for the success of the program that the students' education at OSU Institute of Technology and internship experiences at company facilities be closely aligned for maximum student learning and retention.

Since considerable time is spent at the company facility, it is a requirement of the program that students have a sponsoring company for the summer internship. The primary responsibility for the sponsoring company is to provide training-related employment for the students during their internship.

All tuition, fees, textbooks, travel expenses and housing costs are the responsibility of the student. Sponsoring companies may make other expense sharing agreements with students, at their desecration.

## Program Curriculum

Technical training includes; safety, pipeline facilities, materials and components, electrical and electronics, product processing and handling, corrosion control, pipeline construction, regulations and compliance, and integrity management.

In addition to the technical curriculum, courses will be offered in areas such as College Algebra, Freshman Composition/Technical Writing, Microsoft Office, Speech, U.S. History, U.S. Government, and Business Ethics to provide students with the background necessary for effective communication of ideas and the development of interpersonal skills.

## Purpose of the Internship

The internship allows students to apply, in a real world setting, what they have learned during the previous classroom/lab sessions. In addition, students become familiar with the company environment, its organizational structure, and the competencies that are expected of a professional pipeline integrity technologist.

## Student Qualifications

Prospective students must be:

1. 18 years of age (or older) by the time of the first internship.
2. High school graduate or equivalent.
3. Able to meet OSU Institute of Technology and Pipeline Company admission, academic and employment requirements.
4. Have ACT score of 19 or above in all components,
  - a. Compass score at or above 81 in Reading, 74 in English and 45 in College Algebra,
  - b. Accuplacer score at or above 77 or above in Reading, 80 or above in English and 74 or above in Elementary Algebra or
  - c. have removed all academic deficiencies before enrolling in the Pipeline Integrity program.
5. Possess a valid driver's license and maintain an employable driving record.
6. Willing to take a drug test when requested the Company sponsor.  
(NOTE: for many companies this is a requirement for internship and employment)

## Admissions Checklist

**Regular Admission** – applies to students who have never attended college. This also includes students who earned college credit through Cooperative Alliance or Concurrent Enrollment while in high school. GED, Home-Schooled, and students under 21 years of age who never attended college fall in this category.

- Complete and submit an OSU Institute of Technology Application for Admission on line at: <https://admissions.osuit.edu/apply/> .
- Obtain a Federal Student Aid ID (FSA ID) at <https://fsaid.ed.gov/npas/index.htm>  
Complete the Free Application for Federal Student Aid (FAFSA) available at <https://fafsa.ed.gov>  
**The OSUIT school code is 003172.** Once our office receives your information, we will notify you if additional information is needed and/or send you your award letter.
- Submit official high school transcript/GED
- Submit ACT or SAT scores.
- COMPASS testing may be required for placement purposes (all students will be required to take compass assessment unless they can prove proficient in a subject area with ACT sub scores in math, reading, writing or science scores of 19 or above or have transfer credits. Compass testing is a computer generated assessment administered through the Assessment Center at OSUIT. (918-293-5254)  
[http://www.osuit.edu/academics/assessment\\_center.php](http://www.osuit.edu/academics/assessment_center.php)  
Compass sample questions at: <http://www.act.org/compass/sample/>  
Additional Compass Skills Reviews at: <http://go.osuit.edu/student/assessment/compass>
- Provide a copy of Immunization records or complete the Immunization Record Form or the Certificate of Exemption. <http://go.osuit.edu/student/union/services/health>
- Residential Life: Complete room and board contract – Single and Nontraditional Students Room and Board Contract for single students, Family Housing University apartments Contract if you plan to have your family with you at OSUIT. (918-293-4939) [https://go.osuit.edu/student/residential\\_life/prospective\\_residents](https://go.osuit.edu/student/residential_life/prospective_residents)  
Students making application for campus housing are encouraged to apply early. To reserve space in campus housing students must make a deposit of \$150 (\$500 for family apartments) through the Bursar's office. (918-293-5226)
- Veterans need to visit with the OSUIT Veteran Service Office. (918) 293-4972.or email [vetservices@okstate.edu](mailto:vetservices@okstate.edu)
- Schedule interview with Pipeline Integrity Faculty.
- Provide copy of driving record obtained at student's local DMV. Typical cost is \$25.00
- Take Bennett Mechanical Comprehension Test administered through the Assessment Center at OSUIT. (918-293-5254). Cost to student \$20.00.
- Complete enrollment through the School of Energy (918) 293-5433, (918) 293-3812, or (918) 293-3800
- Have your student ID card made. Take your class schedule to the front desk of the Grady W. Clack Center.
- Visit MyOSUIT and activate your O-Key account. This allows you to access your OSUIT email account, check your grades, view your schedule, modify your enrollment, pay your bill, access the online classroom and receive OSUIT notifications/alerts this gives you 24/7 access to your information.  
[www.osuit.edu/my\\_osuit](http://www.osuit.edu/my_osuit)

## Admission of Transfer Students

View admission criteria at: [http://go.osuit.edu/student/admissions/requirement\\_criteria](http://go.osuit.edu/student/admissions/requirement_criteria)

## Important Dates

### Fall Classes

#### January, 2016

- 2016-2017 Financial Aid Applications Are Available
- Oklahoma State University Institute of Technology Scholarship Applications Available
- Oklahoma State University Institute of Technology Admission Applications Available

#### January 31, 2016

- Families Receive W-2 Forms And Begin To Prepare Tax Returns So Financial Aid Applications Can Be Completed.

#### February 1, 2016

- Students Begin Submitting Oklahoma State University Institute of Technology Admission Applications
- Begin Completing Free Application For Federal Student Aid (FAFSA)
- Students Should Be Making Plans To Take The ACT or SAT Test

#### May 27, 2016

- Enrollment Begins For Fall 2016 Term. Enrollment Will Continue through September 6, but these classes typically fill earlier.

### Fall Classes

#### September 6, 2016

- Move-in Day for Pipeline Integrity Students Beginning Fall Semester Classes

#### September 7, 2016

- First Day of Classes for Pipeline Integrity Students Beginning Classes Fall 2015 Term

#### December 16, 2016

- Final day of the fall term

#### ***For More Information please call:***

Roy Achemire.....	(918) 293-3800
Joe Bartlett.....	(918) 293-5433
Paula Harrold.....	(918) 293-3812
Student Financial Services.....	(918) 293-4684
Admissions Office.....	(918) 293-4680

### Tobacco use in University Buildings and Grounds

It is the intent of Oklahoma State University to promote the health, well-being and safety of all students, faculty, staff and visitors. As such, effective July 1, 2010, OSU Institute of Technology is designated as a tobacco-free environment. **Smoking and the use of all tobacco products are prohibited. Tobacco use is even prohibited in vehicles on grounds owned or under the control of Oklahoma State University.**

Residential Life will designate a limited number of facilities that will be exempt from this policy. Residential Life officials charged with oversight of the exempt areas of campus where tobacco use is permitted must adopt and post internal policies.

# RESPONSIBILITIES OF PARTICIPANTS

## OKLAHOMA STATE UNIVERSITY INSTITUTE OF TECHNOLOGY

1. Provide faculty dedicated to the Pipeline Integrity Program.
2. Provide necessary time to initially train and update the faculty.
3. Provide facility dedicated to the Pipeline Integrity Program; classrooms, labs, etc.
4. Provide advisement for Pipeline Integrity Program students.
5. Maintain up-to-date tools and equipment.
6. Grant the Associate of Applied Science degree in Pipe Line Integrity to graduates.
7. Inform sponsoring companies of student progress.
8. Assist companies with student selection and recruitment.
9. Work with companies to assure involvement in internships.
10. Assist students in obtaining internships with pipeline companies.
11. Conduct student visitations during internships.
12. Establish a Pipeline Integrity Advisory Committee.
13. Schedule Advisory Committee meetings.

### ***Pipeline Companies***

1. Agree to act as a sponsoring member.
2. Recruit, interview and select prospective student(s)
3. Provide internship experience in accordance with the program schedule.
4. Provide internship experiences that supplement the student's most recent instruction.
5. Agree to pay the student during periods of internship.
6. Provide any other benefits in a manner consistent with company policy.
7. Assist in obtaining equipment and training aids.
8. Participate in the Advisory Committee meetings.

### ***Student***

1. Obtain and maintain a company sponsor throughout the internship.
2. Provide sponsoring company with responsible and productive work effort.
3. Participate in all learning activities at scheduled times.
4. Maintain academic standards and adhere to academic policies according to OSU Institute of Technology policy.
5. Adhere to company policies and procedures.
6. Be responsible for program cost: tuition, fees, books, tools, housing, etc.
7. Wear proper work clothing, safety glasses and use required/recommended personal safety equipment during campus class/labs and internship experiences.

### **Student Selection Process**

1. Those who wish to become students in the Pipeline Integrity Program should make application early since there are typically more applicants than openings in the program.
2. ALL STUDENTS MUST HAVE A COMPANY SPONSOR FOR INTERNSHIPS THAT ARE SCHEDULED FOR THE THIRD SEMESTER.

### **FINANCIAL ASSISTANCE**

Additional financial aid, through loans or grants, for tuition, books, tools, on-campus room and board, etc., may be available through various financial assistance programs. Students needing financial assistance are encouraged to complete the applications for financial aid as early as possible. Following application submittal, allow an 8-10 week period for processing. Early application assures availability of funds, if qualified, and allows the Financial Aid Office to prepare a realistic financial aid package.

Financial Aid information may be obtained by calling the Student Financial Services at 918.293.4684.

Note: Tools required for the Pipeline Integrity program are considered an educational expense and should be included in education costs when applying for student financial aid.



# ESTIMATED STUDENT EXPENSES

[http://www.osuit.edu/academics/new\\_tuition.html](http://www.osuit.edu/academics/new_tuition.html)

## 2016-2018 - Estimated Cost Per Semester

### Semester 1

\$1,926.00	Two Bedroom/One Bathroom Suite
\$150.00	\$150.00 single unit, \$500.00 family unit (refundable)
\$1,299.00	20 Meal Plan
\$2,720.00	Tuition & fees \$170.00/ch (16 credit hours)
	This is in-state tuition rate
\$550.00	Books (approximate per semester)
<b>\$6,645.00</b>	Estimated total semester educational expenses

### Semester 2

\$1,926.00	Two Bedroom/One Bathroom Suite
\$1,299.00	20 Meal Plan
\$2,550.00	Tuition & fees \$170.00/ch (15 credit hours)
	This is in-state tuition rate
\$550.00	Books (approximate per semester)
<b>\$6,325.00</b>	Estimated total semester educational expenses

### Semester 3

\$2,040.00	Tuition & fees \$170.00/ch (12 credit hours)
	This is in-state tuition rate
<b>\$2,040.00</b>	Estimated total semester educational expenses

### Semester 4

\$1,926.00	Two Bedroom/One Bathroom Suite
\$1,299.00	20 Meal Plan
\$2,550.00	Tuition & fees \$170.00/ch (15 credit hours)
	This is in-state tuition rate
\$550.00	Books (approximate per semester)
<b>\$6,325.00</b>	Estimated total semester educational expenses

### Semester 5

\$1,926.00	Two Bedroom/One Bathroom Suite
\$1,299.00	20 Meal Plan
\$2,890.00	Tuition & fees \$170.00/ch (16 credit hours)
	This is in-state tuition rate
\$550.00	Books (approximate per semester)
<b>\$6,665.00</b>	Estimated total semester educational expenses

**\$28,000.00** Estimated total in-state educational expenses

Cost of tuition and fees may change after Oklahoma State Regents meet in July.

\*\*If zero level courses are taken, a Remedial Supplemental Fee of \$18.50 per credit hour will be charged.

## Nonresident Academic Scholarship

Choosing OSU Institute of Technology for your education sets you on the right path toward a promising career. As the University of Jobs, OSUIT is committed to making the transition from classroom to career seamless while at the same time offering an affordable education that will pay you dividends upon graduation.

As Oklahoma's only university of applied technology, OSUIT prepares you for a high return on your investment:

- Nearly 100% career placement rate in technical degree programs
- Low tuition costs, a wide variety of additional scholarship opportunities and financial aid available
- Paid internships that help pay for school as you go and often lead to full-time employment

In an effort to keep out-of-state costs low, OSUIT's Nonresident Academic Scholarship helps offset your educational expenses, making it the most affordable option in the region.

### OSUIT Scholarship Award by Credit Hour

Nonresident Incoming GPA	Total Tuition & Mandatory Fees	Scholarship per credit hour	Student portion per credit hour
3.50 to 4.00	\$357.00 -	\$155.00 =	\$202.00
3.00 to 3.49	\$357.00 -	\$145.00 =	\$212.00
2.50 to 2.99	\$357.00 -	\$135.00 =	\$222.00
2.00 to 2.49	\$357.00 -	\$125.00 =	\$232.00

*Calculations based on FY15 Undergraduate Tuition & Mandatory Fees. Number of scholarships awarded determined by availability of funding. Effective January 2014.*

Scholarship is available to full-time OSUIT students and is renewable for a maximum of 6 consecutive terms. Credit hour award will be recalculated according to student's OSUIT GPA during the fourth term, potentially increasing scholarship funding.

*Example: Incoming student Pistol Pete's GPA was 2.4, resulting in a scholarship of \$125 per credit hour. At the end of the third term, Pete's GPA is 3.2, resulting in a scholarship increase to \$145 per credit hour.*

Contact OSUIT Prospective Student Services at [information@okstate.edu](mailto:information@okstate.edu), or call 1-800-722-4471 for full scholarship details.

The table below shows the additional non-resident costs and the estimated total program costs, assuming the student maintains the same GPA as the student entered OSUIT with.

	Tuition & Fees	Additional Non-Resident Tuition & Fee Costs	Estimated Total Cost
Oklahoma Resident tuition and fees	\$12,750.00		\$28,000.00
Non Resident with incoming GPA 3.50 to 4.00	\$15,150.00	\$2,400.00	\$30,400.00
Non Resident with incoming GPA 3.00 to 3.49	\$15,900.00	\$3,150.00	\$31,150.00
Non Resident with incoming GPA 2.50 to 2.99	\$16,650.00	\$3,900.00	\$31,900.00
Non Resident with incoming GPA 2.00 to 2.49	\$17,400.00	\$4,650.00	\$32,650.00

## **PIPELINE COMPANY INFORMATION**

### ***How will the program benefit your Business?***

This program is an answer to the skilled technologist shortage. It responds to the needs of pipeline companies for highly qualified, motivated and skilled technologists. Technologists who are...

1. Trained on current equipment, processes, and products.
2. Trained in the latest diagnostic and servicing procedures.
3. Trained to "do it right the first time!"
4. Trained with a positive attitude about their job.
5. Productive before they complete their training.
6. Educated in the important areas of communication, reading, mathematics, and business ethics, etc.

This program is a planned personnel development program. It combines the resources of the many pipeline companies with the expertise of the faculty at OSU Institute of Technology to build a true educational partnership! A partnership designed to focus on the success of your potential employee, the Pipeline Integrity student. This program, along with additional experience and guidance helps you develop future Master Technologists, Foremen and Managers.

**It is cost-effective!** The best news is that there is no required up-front cost for the companies. Your investment is minimal. Here's why:

1. You select and supervise the student as a productive employee of your business. The internship occurs at your location, under your supervision and direction.
2. The student is responsible for the cost of tuition, fees, books and the required basic tool set.
3. You and the student agree on the wage rate during the internship experience. You are not required to pay them while they are attending classes at OSU Institute of Technology.
4. You may elect to provide incentives or financial help to your student, at your option.

### ***How are Pipeline Integrity students recruited?***

OSU Institute of Technology will assist in recruiting students. It is the Company's responsibility, however, to select the "right" student. You should actively recruit a student from your area. Some good sources are:

- |                      |                                |                 |
|----------------------|--------------------------------|-----------------|
| 1. Current employees | 2. Employees friends, families | 3. Customers    |
| 4. High Schools      | 5. Vo-Tech Schools             | 6. FFA Chapters |
| 7. Skills USA        | 8. High School Coaches         |                 |

Once you have identified a student you believe will be a good applicant, bring the student to visit the campus at OSU Institute of Technology to tour the facilities, interview with the faculty, and complete assessment. Upon completion and with further discussion, a final decision should be made regarding sponsorship. It is also a good idea to offer the student some type of summer employment before they begin college classes. This will allow both of you to verify that you have made the right decision, before the program begins.

### ***What are the responsibilities of a participating Company?***

1. Indicate interest in becoming a sponsoring company.
2. Recruit, interview and select prospective students.
3. Provide company coordinated internship experiences in areas of technical education that were conducted at OSU Institute of Technology.
5. Pay wages to the student during periods of internship with the company. This will instill in the student a sense that their employment is necessary to the company and promote company loyalty.
6. Provide uniforms for the student, consistent with company policy.
7. Complete student evaluation forms during each internship.
8. Advise school of concerns or changes in student status with the company.

### ***What is the wage rate for Pipeline Integrity Interns?***

The rate of pay is, negotiable and is between you and the student. Pipeline Integrity students base their value to the company on two important factors; the quality of training that is provided while on internship and prevailing wages. Successful people are motivated by a variety of things, but most expect to be rewarded in the form of an increase in salary. This is especially true when they are performing jobs well and continue to improve their skills and abilities. Pipeline Integrity students are no different. A pay plan that rewards them for maintaining acceptable grades, doing good work, and improving productivity and efficiency is essential.

Pipeline Integrity students understand that they are trainees, and do not expect to be paid a journeyman wage during the training program. However, many of the best students have bills to pay, and families to support. Please consider the student's situation to arrive at an acceptable starting wage, and when developing a progressing pay plan or any incentive schedule.

### ***What can the company expect?***

In today's increasingly competitive market, customer satisfaction and customer loyalty are the keys to success and survival. For participating companies, the key to customer satisfaction is your level of service. Where do you find the right employees? The answer is to attract and develop new technologists through the Pipeline Integrity Program at OSUIT.

At the completion of the Pipeline Integrity Program, you have a potential employee that is familiar with you, and the equipment you maintain and service. You have selected individuals you want to hire and you have taught them your way of doing business. The objective of the Pipeline Integrity Program is simple; to select the best people to work on the best equipment, and provide the best customer service possible.



# ***INSTITUTE OF TECHNOLOGY***

## **School of Energy Technologies**

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[www.osuit.edu](http://www.osuit.edu)

# **Pipeline Integrity**

Degree Awarded  
**Associate in Applied Science  
Pipeline Integrity**  
General Requirements  
**75 Credit hours**  
**2.0 Minimum Overall Grade Point Average**

**Typical Schedule for  
Pipeline Integrity  
Plan of Study  
SEPL-166**

### **1st Semester - 16 Credit Hours**

SEPL 1113 Intro to Pipelines & Facilities  
SEPL 1123 Pipeline Materials & Components  
ORIE 1011 College Strategies  
**ENGL 1033 Technical Writing 1 (or)**  
**ENGL 1113 Freshman Composition I**  
**HIST 1493 U.S. History Since 1865**  
**MATH 1513 College Algebra**

### **2nd Semester - 15 Credit Hours**

SEPL 1213 Processing & Product Handling  
SEPL 1223 Intro to Corrosion Control  
SEGC 2413 DC/AC Circuit Analysis  
**CS 1013 Computer Literacy & Applications**  
**ENGL 2033 Technical Writing II (or)**  
**ENGL 1213 Freshman Composition II**

### **3rd Semester - 12 Credit Hours**

SEPL 2112 Internship

### **4th Semester - 15 Credit Hours**

SEPL 2413 Regulations and Compliance  
SEPL 2423 Integrity Management Concepts I  
SEPL 2563 Project Management  
**PHIL 1213 Ethics**  
**SPCH 1113 Introduction to Speech or**  
**SPCH 2313 Small Group Communication**

### **5th Semester - 17 Credit Hours**

SEPL 2513 Pipeline Hazard Recognition & Risk  
Management  
SEPL 2523 Pipeline Maintenance & Repair  
SEPL 2533 Integrity Management Concepts II  
SEPL 2542 NACE CP1 Prep  
SEPL 2553 Capstone  
**POLS 1113 U. S. Government**

## **First Year Pipeline Integrity Courses**

### **SEPL 1113 - Introduction to Pipelines and Facilities**

An introduction to the basics of the pipeline industry and the duties of a Pipeline Integrity Technologist. Students will gain an understanding about pipelines, products transported in pipelines, basic pipeline design and pipeline terminology. Theory/Lab. Corequisite MATH 1513

### **SEPL 1123 - Pipeline Materials and Components**

A study of the physical basics of a pipeline. Materials, processes used to manufacture pipe, and basic maintenance will be discussed in detail. Theory/Lab. Corequisite MATH 1513

### **SEGC 2413 - DC/AC Circuit Analysis**

This course covers the basic principles of DC/AC electrical circuits. Subjects to be included: operating characteristics of the circuits various components, electrical laws, series circuits, parallel circuits, series-parallel circuits, magnetism, impedance, and resonance. Theory/Lab.

### **SEPL 1213 - Processing and Product Handling**

Students explore pipeline equipment maintenance schedules, operations and maintenance activities, failure investigation and a variety of maintenance and repair topics. Theory/Lab.

### **SEPL 1223 - Introduction to Corrosion Control**

An introduction to various types of corrosion found in the pipeline industry. Students study different types of corrosion, the basics of cathodic protection, in-line inspections, coatings, and a variety of pipeline inspection techniques. Students also examine both the application and management of pipeline corrosion, as well as learn appropriate assessment and repair methods for pipeline corrosion. Theory/Lab  
Prerequisite MATH 1513

### **SEPL 2112 – Internship**

A cooperative agreement between industry and education which allows students to utilize and refine skills previously learned in their educational process. All work is performed in accordance with industry standards and guidelines, and supervised by industry and school representatives. Lab. Prerequisites: Student must have successfully completed all Pipeline Integrity, and Arts and Sciences courses as listed in the program Information Guide, have a minimum 2.5 institutional GPA, a valid driver's license or Dean of the School of Energy Technologies approval.

## **Second Year Pipeline Integrity Courses**

### **SEPL 2513 - Pipeline Hazard Recognition & Risk Management**

This course teaches pipeline construction site safety procedures, work practices and controls, including work site preparation, safety data sheets (SDS) review, hazard recognition, front end operational hazards, rigging and hoisting, on ground and in trench pipe hazards, pipe assembly and coating hazards. Theory

### **SEPL 2413 - Regulations and Compliance**

Students will examine the federal regulations that govern the operation of liquid and gas pipelines. Also included are industry specifications and guidelines applicable to pipeline integrity assessment. Theory Lab. Prerequisites SEPL 1223

### **SEPL 2423 - Integrity Management I**

An examination of methodologies used to identify and evaluate pipeline defects. Topics covered include pipeline evaluation techniques including pigging, ultrasonic, sampling, and leak detection surveys. Theory/Lab. Prerequisites SEPL 1223

### **SEPL 2523 - Pipeline Maintenance and Repair**

Students examine general pipeline repair activities, mitigation/remediation of exposed pipeline, coatings and the creation of assessment reports. Theory/Lab. Prerequisite SEPL 2413

### **SEPL 2533 - Integrity Management II**

Students create assessment reports, inline inspection programs, document predictive vs. actual anomalies, identify preventative/mitigative measures and explore requirements necessary to prevent pipeline incidents. Theory/Lab. Prerequisites SEPL 2423

### **SEPL 2542 - NACE CP1 Preparation**

Students prepare for the National Association of Corrosion Engineers level one examination. Theory/Lab. Prerequisites SEPL 1223, SEPL 2212 & SEPL 2423

### **SEPL 2553 - Pipeline Capstone**

The culminating experience in Pipeline Integrity Technology. The course includes the fundamental theories and practices of pipeline integrity, and it expands the concepts presented in previous work through simulation and actual problem resolution. Theory/Lab. Prerequisites: program instructor approval and a minimum overall GPA of 2.5. Theory/Lab. Prerequisites SEPL 2212 & SEPL 2423

## FINANCIAL AID WEB SITES

### Scholarship Resources on the Web

[www.fastweb.com](http://www.fastweb.com)

[www.collegefunds.net](http://www.collegefunds.net)

[www.wiredscholar.com/](http://www.wiredscholar.com/)

[www.freschinfo.com](http://www.freschinfo.com)

[www.mach25.com](http://www.mach25.com)

[www.scholarships.com/](http://www.scholarships.com/)

Mapping Your Future – [www.mapping-your-future.org](http://www.mapping-your-future.org)

College Board Scholarship Search – [http://apps.collegeboard.com/cbsearch\\_ss/welcome.jsp](http://apps.collegeboard.com/cbsearch_ss/welcome.jsp)

Oklahoma Student Loan Authority (OSLA) – [www.oslat.org](http://www.oslat.org)

### GRANTS AND SCHOLARSHIPS:

FAFSA Express – [www.FAFSA.ed.gov](http://www.FAFSA.ed.gov)

Missouri Higher Education Loan Association (MOHELA) – [www.mohela.com](http://www.mohela.com)

Oklahoma Guaranteed Student Loan Program (OGSLP) – [www.ogslp.org](http://www.ogslp.org)

Oklahoma State Regents for Higher Education – [www.okhighered.org](http://www.okhighered.org)

Oklahoma Tuition Aid Grant (OTAG) – [www.otag.org](http://www.otag.org)

### GENERAL INFORMATION:

National Association of Student Financial Aid Administrators – [www.nasfaa.org](http://www.nasfaa.org)

National Council of Higher Education Loan Programs – [www.nchelp.org](http://www.nchelp.org)

Oklahoma State Department of Vo-Tech – <http://www.okcareertech.org/>

Project EASI – [www.easi.ed.gov](http://www.easi.ed.gov)

The Financial Aid Information Page – [www.finaid.org](http://www.finaid.org)

US Department of Education – [www.ed.gov](http://www.ed.gov)

## **Sponsoring Companies**

The companies listed below participate in Pipeline Integrity program advisory meetings, career fairs, and/or have been internship sponsors.

Aegion Companies ( Corrpro, CRTS )	<a href="http://www.aegion.com">www.aegion.com</a>
Chesapeake Energy Corporation	<a href="http://www.chk.com">www.chk.com</a>
DCP Midstream	<a href="http://www.dcpmidstream.com">www.dcpmidstream.com</a>
Koch Pipeline	<a href="http://www.kochpipeline.com">www.kochpipeline.com</a>
Mesa Products	<a href="http://www.mesaproducts.com">www.mesaproducts.com</a>
McElroy Manufacturing	<a href="http://www.mcelroy.com">www.mcelroy.com</a>
Oneok	<a href="http://www.oneok.com">www.oneok.com</a>
Onegas	<a href="http://www.onegas.com">www.onegas.com</a>
Phillips 66	<a href="http://www.phillips66.com">www.phillips66.com</a>
Pipeline Equipment Company	<a href="http://www.pipelineequipment.com">www.pipelineequipment.com</a>
Quanta Pipeline Services	<a href="http://www.quantaservices.com">www.quantaservices.com</a>
Rosen USA	<a href="http://www.rosen-group.com">www.rosen-group.com</a>
Semgroup	<a href="http://www.semgrouppcorp.com">www.semgrouppcorp.com</a>
Shafer Kline and Warren	<a href="http://www.skw-inc.com">www.skw-inc.com</a>
Shell Pipeline	<a href="http://www.shell.us.com">www.shell.us.com</a>
TD Williamson	<a href="http://www.TDWilliamson.com">www.TDWilliamson.com</a>
US Dept. of Transportation	<a href="http://www.phmsa.dot.gov">www.phmsa.dot.gov</a>
Williams Energy	<a href="http://www.williams.com">www.williams.com</a>