



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### DECEMBER

#### **BSEET Offshore Incident Investigation Training Program (OIITP) (38 Hrs):**

**This course is held at the Federal Law Enforcement Training Center (FLETC) in Charleston S.C.**

This course will provide a practical understanding of how to plan, conduct and conclude an incident investigation. This course will describe the methods and techniques used for data gathering, interviewing, and reporting investigative findings. The participants will be provided classroom instruction, workshops, case studies and a “hands on” practical.

**Note:** *For students enrolled in this course meals and lodging are provided at FLETC for the duration of the class. Transportation from Charleston International Airport to FLETC is also provided. Entry on to FLETC requires additional registration steps. Once you receive confirmation of enrollment in DOI Learn, you must contact Special Investigator Michael Idziorek from BSEE SIID @202-208-4858 or [Michael.Idziorek@bsee.gov](mailto:Michael.Idziorek@bsee.gov)*

Target Audience: Inspectors (Level 3)

Date: December 5-9, 2016

Time: M-TH 7:30 to 4:30 Fri: 7:30 to 2:30

Location: Federal Law Enforcement Training Center Charleston S.C.

Class Capacity: 20

Vendor: FLETC/BSEE

Enroll: DOI Learn [BSEET Offshore Incident Investigation Training Program](#)

#### **BSEET API Q1 Essentials (24 Hrs):**

This course covers the entire Q1 Body of Knowledge (BOK) including, scope, exclusion, documentation, organizational resource requirements; contract review, planning, risk management, design & development contingency, procurement, product realization, calibration, product release, non-conformance's management of change, internal audits, and management review.

Target Audience: Engineers (Specialized)

Date: December 6-8, 2016

Location: BSEE Engineering Technology Assessment Center 1919 Smith Street Houston, TX

Class Capacity: 20

Vendor: Wollam Petroleum Advisory Group

Enroll: DOI Learn [BSEET API Q1 Essentials](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### **BSEET Introduction to Schematics Reading and SUBSEA BOP Control Systems (24 Hrs):**

This course will provide the student with the knowledge base and intuitive skill sets needed to understand and interpret schematic diagrams accurately; The course will cover Fluid Control and Power system symbols; fluid Power Schematics, Electrical Control symbols and schematics; BOP control Schematics; Schematic view and tracking Electrically and Hydraulically and Emergency Control Systems.

Target Audience: Engineers (Specialized); Inspectors (Add)

Date: December 6-8, 2016

Location: SUBSEA Solutions, 16285 Park Ten Place Suite 230, Houston, TX 77084

Class Capacity: 12

Vendor: SUBSEA Solutions

Enroll: DOI Learn [BSEET Introduction to Schematics Reading and SUBSEA BOP Control Systems](#)

### **BSEE Rigless Interventions (32 Hrs):**

This course will enable the participant to describe common applications of Slickline, non-conductive braided cable and e-line (logging cable). In addition, pressure control equipment and to gain entry in to a live well, rig up limitations, configuration of basic wireline toolstring and it is manipulated, most common wireline problems and how to avoid them. The participant will be provided with an introduction to the newest slickline intervention techniques currently available.

Target Audience: Engineers (Specialized)

Date: December 12-16, 2016

Location: Lafayette District Office 201 St. Patrick Suite 200 Lafayette, LA

Class Capacity: 12

Vendor: petroEDGE®

Enroll: DOI Learn [BSEET Rigless Interventions](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### JANUARY

#### **BSEET Hands On BOP for Surface Rigs (40 Hrs):**

This course is designed to provide information specific to the Blowout Preventer (BOP) and main drilling equipment. This course explains the most common faults of BOPs on surface rigs and introduces basic maintenance procedures with a focus on safe working practices. This course will enable the participant to understand and explain the operation of the main components of well control equipment.

Target Audience: Inspectors (Level 3)

Date: January 9-13, 2017

Location: LR Energy 15740 Park Row Rd Suite 500 Houston, TX

Class Capacity: 6

Vendor: LR Energy

Enroll: DOI Learn [BSEET Hands On BOP for Surface Rigs](#)

#### **BSEET Production Safety Systems -T2 (24 Hrs):**

A three-day course that provides the students with an understanding of the oil and gas production facility offshore with the concentration on the safety systems. The students are given the knowledge through open class discussions and demonstrations.

**\*\*This class begins at 7:30am**

Target Audience: Inspectors (Level 2) and Engineers (Level 2)

Date: January 10-12, 2017

Location: Shell Robert Training and Conference Center, Robert LA

Class Capacity: 12

Vendor: Shell Robert

Enroll: DOI Learn [BSEET Production Safety Systems – T2](#)

#### **BSEET Coil Tubing, Wireline and Snubbing Operations (40 Hrs):**

This course provides the Reasons and Definitions of Completions and Workovers, Coil Tubing Operations and equipment, types of wireline and procedures, complications and solutions, and Snubbing procedures and equipment.

Target Audience: Inspectors (Level 3); Engineers (Level 3)

Date: January 23-27, 2017

Class Capacity: 12

Location: WCS 425 Settlers Trace Boulevard, Lafayette, LA

Enroll: DOI Learn [BSEET Coil Tubing, Wireline, and Snubbing Operations](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### **BSEE Technical Writing (24 Hrs):**

Technical writing involves two significant skills; the first is the ability to understand technical language; the second is being able to express that knowledge in a clear, concise and comprehensible style. The participant will be presented the skills required to write technical reports and correspondence using offshore cases studies specific to BSEE. This course is based on the presenter's extensive experience in reporting for international oil companies and consulting companies.

Note: Participants will be expected to write and present their writing to their colleagues in the class. Personal computers will be useful to the participants, but old fashioned pencil or pen and paper are also acceptable.

Target Audience: Engineers and Inspectors

Date: January 24-26, 2017

Location: New Orleans

Class Capacity: 12

Vendor: petroEDGE®

Enroll: DOI Learn [BSEE Technical Writing](#)

### **BSEET Hands On BOP for Surface Rigs (40 Hrs):**

This course is designed to provide information specific to the Blowout Preventer (BOP) and main drilling equipment. This course explains the most common faults of BOPs on surface rigs and introduces basic maintenance procedures with a focus on safe working practices. This course will enable the participant to understand and explain the operation of the main components of well control equipment.

Target Audience: Inspectors (Level 3)

Date: January 30- February 3, 2017

Location: LR Energy 15740 Park Row Rd Suite 500 Houston, TX

Class Capacity: 6

Vendor: LR Energy

Enroll: DOI Learn [BSEET Hands On BOP for Surface Rigs](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### FEBRUARY

#### **BSEET Advanced Well Control (28 Hrs):**

This course is an IADC Wellsharp course designed to improve the understanding of well intervention and completion well control. The course will cover well control requirements for completion, workover, and intervention on both live and killed wells. The consequences of a loss of well control and therefore the importance of ensuring that the correct controls are in place and maintained throughout the operation. To properly identify the risks associated with working on live wells and to further ensure that the necessary mitigation is in place to reduce risk to an acceptable level.

Target Audience: Engineers (Specialized) Inspectors (Level 4)

Date: February 6-9, 2017

Location: Well Control School, 425 Settlers Trace Boulevard, Lafayette, LA 70508

Vendor: WCS

Class Capacity: 12

Enroll: DOI Learn [BSEET Advanced Well Control](#)

#### **BSEET Basic Instrumentation (24 Hrs):**

This course provides the student with an introduction to Instrumentation and Control, pressure control systems and control valves, Level control systems, and PLC, DCS, and SCADA. The participant will be provided the correct installation and operation of the various devices, perform maintenance, repairs, and calibration to safety equipment, and diagnose and trouble shoot common malfunctions of equipment that is covered in this course.

Target Audience: Inspectors (Level 3); Engineers (Level 3)

Date: February 14-16, 2017

Location: Shell Robert Training Facility, Robert, LA

Class Capacity: 12

Enroll: DOI Learn [BSEET Basic Instrumentation](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### **BSEE Electronic Safety Shutdown System (16 Hrs):**

This course provides information and practice to understand the use of the Master Status Panel (MSP) and Local Control Panels (LCP's ) to locate and tag the first-out process shutdown event, subsequent shutdown events, manual bypasses, classes A, B, C, and C/B bypasses, process alarms, and miscellaneous shutdowns.

Target Audience: Inspectors (Level 4)

Date: February 22-23, 2017

Location: Shell Robert Training Center, Robert, LA

Class Capacity: 12

Vendor: Shell Robert Training Center

Enroll: DOI Learn [BSEE Electronic Safety Shutdown System](#)

## MARCH

### **BSEET Advance Production Processing (40 Hrs):**

This course covers a wide spectrum of production-related topics from reservoir through initial separation and treating through measurements of oil and gas. Emphasis is placed on production equipment operation and troubleshooting. Instruction is divided between classroom lecture and hands-on exercises utilizing actual production equipment with air and water to simulate produced fluids.

Target Audience: Engineers (Level 4)

Date: March 6-10, 2017

Location: Shell Robert Training Facility, Robert, LA

Class Capacity: 12

Enroll: DOI Learn [BSEET Advance Production Processing](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### **BSEET Production Safety Systems -T2 (24 Hrs):**

A three-day course that provides the students with an understanding of the oil and gas production facility offshore with the concentration on the safety systems. The students are given the knowledge through open class discussions and demonstrations.

**\*\*This class begins at 7:30am**

Target Audience: Inspectors (Level 2) and Engineers (Level 2)

Date: March 7-9, 2017

Location: J. Schneiders & Associates, Ltd, 325 Industrial Parkway, Lafayette, LA

Class Capacity: 15

Vendor: J. Schneiders & Associates, Ltd

Enroll: DOI Learn [BSEET Production Safety Systems – T2](#)

### **BSEET Completions and Workovers (32 Hrs):**

This course will enable the participant to understand the different types of completions as well as the applications for specific completion equipment including installation and workover methods. The course includes the following: well data needed for well completion activities; different types of completions; the application of different completion fluids; down hole and surface completion equipment; the procedures for running a completion; the different methods of well workovers; wellheads, trees, valves and chokes; subsurface safety valve design, selection and operation; packer selection and forces on packers; landing nipples and plug;

Target Audience: Engineers (Level 3)

Date: March 27-31, 2017

Location: Well Control School 425 Settlers Trace Lafayette, LA

Class Capacity: 12

Vendor: Well Control School

Enroll: DOI Learn [BSEET Completions and Workovers](#)



**OFFSHORE TRAINING BRANCH  
COURSE SCHEDULE  
FY 17**

December 2, 2016

**APRIL**

**BSEET Hands On BOP for Surface Rigs (40 Hrs):**

This course is designed to provide information specific to the Blowout Preventer (BOP) and main drilling equipment . This course explains the most common faults of BOPs on surface rigs and introduces basic maintenance procedures with a focus on safe working practices. This course will enable the participant to understand and explain the operation of the main components of well control equipment.

Target Audience: Inspectors (Level 3)

Date: April 3 - 7, 2017

Location: LR Energy 15740 Park Row Rd Suite 500 Houston, TX

Class Capacity: 6

Vendor: LR Energy

Enroll: DOI Learn [BSEET Hands On BOP for Surface Rigs](#)

**BSEE Electronic Instrumentation (SCADA) (32 Hrs):**

This course will provide the participant with the basic theoretical and practical understanding of PLC, DCS, and SCADA systems. It traces the evolution of the PLC as an intelligent “black box” architectures replacement for the relay panel and how, with the advent of modern communications, it is combined with supervisory control systems to allow stand-alone control systems to be configured.

Target Audience: Engineers (Level 4) Inspectors (ADD)

Date: April 4-7, 2017

Location: Shell Robert Training Center 23260 Shell Ln, Robert, LA 70455

Class Capacity: 12

Vendor: Shell

Enroll: DOI Learn [BSEE Electronic Instrumentation \(SCADA\)](#)





## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### **BSEET Well Control (28 Hrs):**

This course is a four-day IADC WellSharp Introductory Level 1 Well Control course. This course provides the student with Basic Well control fundamentals; causes and warning signs of kicks; shut-in procedures; kill methods; kill sheet; Well control simulation and equipment; surface and subsea well control.

Target Audience: Inspectors (Level 3)

Date: April 10-13, 2017

Location: Well Control School 425 Settlers Trace Boulevard Lafayette, LA 70508

Vendor: WCS

Enroll: DOI Learn [BSEET Well Control](#)

### **BSEET Offshore Incident Investigation Training Program (OIITP) (38 Hrs):**

**This course is held at the Federal Law Enforcement Training Center (FLETC) in Charleston S.C.**

This course will provide a practical understanding of how to plan, conduct and conclude an incident investigation. This course will describe the methods and techniques used for data gathering, interviewing, and reporting investigative findings. The participants will be provided classroom instruction, workshops, case studies and a "hands on" practical.

**Note:** *For students enrolled in this course meals and lodging are provided at FLETC for the duration of the class. Transportation from Charleston International Airport to FLETC is also provided. Entry on to FLETC requires additional registration steps. Once you receive confirmation of enrollment in DOI Learn, you must contact Special Investigator Michael Idziorek from BSEE SIID @202-208-4858 or [Michael.Idziorek@bsee.gov](mailto:Michael.Idziorek@bsee.gov)*

Target Audience: Inspectors (Level 3)

Date: April 24-28, 2017

Time: M-TH 7:30 to 4:30 Fri: 7:30 to 2:30

Location: Federal Law Enforcement Training Center Charleston S.C.

Class Capacity: 20

Vendor: FLETC/BSEE

Enroll: DOI Learn [BSEET Offshore Incident Investigation Training Program](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### MAY

#### **BSEE Glycol Dehydration (16 Hrs):**

This course covers all aspects of triethylene glycol dehydration. Each individual component of the glycol system is studied in detail. The course also covers the operating principles and limits of each component and includes hands-on practice using a working glycol unit. A color-coded cut-a-way unit is used to familiarize the student with the construction and flow pattern of a typical system.

Target Audience: Engineers (Level 3) Inspectors (Add)

Date: May 16-17, 2017

Location: Shell Robert Training Center 23260 Shell Ln, Robert, LA 70455

Class Capacity: 12

Vendor: Shell Robert

Enroll: DOI Learn [BSEE Glycol Dhydration](#)

### AUGUST

#### **BSEET Basic Instrumentation (24 Hrs):**

This course provides the student with an introduction to Instrumentation and Control, pressure control systems and control valves, Level control systems, and PLC, DCS, and SCADA. The participant will be provided the correct installation and operation of the various devices, perform maintenance, repairs, and calibration to safety equipment, and diagnose and trouble shoot common malfunctions of equipment that is covered in this course.

Target Audience: Inspectors (Level 3); Engineers (Level 3)

Date: August 8-10, 2017

Location: Shell Robert Training Facility, Robert, LA

Class Capacity: 12

Enroll: DOI Learn [BSEET Basic Instrumentation](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### **BSEE Glycol Dehydration (16 Hrs):**

This course covers all aspects of triethylene glycol dehydration. Each individual component of the glycol system is studied in detail. The course also covers the operating principles and limits of each component and includes hands-on practice using a working glycol unit. A color-coded cut-a-way unit is used to familiarize the student with the construction and flow pattern of a typical system.

Target Audience: Engineers (Level 3) Inspectors (Add)

Date: August 15-16, 2017

Location: Shell Robert Training Center 23260 Shell Ln, Robert, LA 70455

Class Capacity: 12

Vendor: Shell Robert

Enroll: DOI Learn [BSEE Glycol Dhydration](#)

### **BSEE Electronic Safety Shutdown System (16 Hrs):**

This course provides information and practice to understand the use of the Master Status Panel (MSP) and Local Control Panels (LCP's ) to locate and tag the first-out process shutdown event, subsequent shutdown events, manual bypasses, classes A, B, C, and C/B bypasses, process alarms, and miscellaneous shutdowns.

Target Audience: Inspectors (Level 4)

Date: August 23-24, 2017

Location: Shell Robert Training Center, Robert, LA

Class Capacity: 12

Vendor: Shell Robert Training Center

Enroll: DOI Learn [BSEE Electronic Safety Shutdown System](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### SEPTEMBER

#### **BSEET Offshore Incident Investigation Training Program (OIITP) (38 Hrs):**

This course is held at the Federal Law Enforcement Training Center (FLETC) in Charleston S.C. This course will provide a practical understanding of how to plan, conduct and conclude an incident investigation. This course will describe the methods and techniques used for data gathering, interviewing, and reporting investigative findings. The participants will be provided classroom instruction, workshops, case studies and a “hands on” practical.

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Target Audience: Inspectors (Level 3)

Date: September 11-15, 2017

Time: M-TH 7:30 to 4:30 Fri: 7:30 to 2:30

Location: Federal Law Enforcement Training Center Charleston S.C.

Class Capacity: 20

Vendor: FLETC/BSEE

Enroll: DOI Learn [BSEET Offshore Incident Investigation Training Program](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### Online Courses:

#### **Aviation Safety Courses**

You must register on the IAT site to participate in any of the required Aviation Safety Courses. The following link will take you to the sign in page:

<https://www.iat.gov/logon.asp>

Once you are signed into IAT, select the Find A Course Tab. There is a drop down menu to choose the desired course.

#### **Basic Aviation Safety (Basic Safety) A-100**

A-100 Basic Aviation Safety is a foundation aviation safety course. The purpose of this course is to provide the aviation user with a foundation of knowledge, skills and abilities to safely utilize aircraft to accomplish agency missions. See BSEE National Aviation Management Plan, Appendix D for frequency of refresher training.

**Required for all Frequent Offshore Travelers.**

Target Audience: Inspectors/Frequent Offshore Travelers

Date: Available 24/7

#### **General Awareness Security A-116**

This module provides the information to recognize and report suspicious activity and information necessary to enhance the agency security program. No refresher training required.

**Required for all Frequent Offshore Travelers.**

Target Audience: Inspectors/Frequent Offshore Travelers

Date: Available 24/7

#### **Aviation Transport of Hazardous Material A-110**

This module complies with the U.S. Department of Transportation Regulations 49 CFR 171.8 whereby agency employees who transport hazardous materials by air must receive training on the requirements and conditions of the exemption To 49 CFR 175.5 (a)(2). See the GOM Aviation Management Plan for frequency of refresher training.

**Required for all GOM frequent offshore travelers.**

Target Audience: Offshore Travelers that Transport Hazardous Material



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

Date: Available 24/7

### **Aviation Management Training for Supervisors M-3**

This module is required for all supervisors and Managers that supervise frequent Offshore Travelers or manage the aviation programs associated to offshore travel. See BSEE National Aviation Management Plan, Appendix D for frequency of refresher training.

**Required for all Supervisors and Managers of Frequent Offshore Travelers.**

Target Audience: Supervisors and Managers of Frequent Offshore Travelers  
Date: Available 24/7

### **DOI/USFS Accident Review Information A-200**

The A-200 modules present a detailed review of the accidents and incidents with potential (IWP) which occurred during DOI Aviation Management and FS mission's. These modules are identified by FY. The participant may choose any one of the A-200 to satisfy the requirement. See BSEE National Aviation Management Plan, Appendix D for frequency of refresher training.

**Required for all Frequent Offshore Travelers and the Supervisors and Managers of Frequent Offshore Travelers.**

Target Audience: Frequent Offshore Travelers; Supervisors and Managers of Frequent Offshore Travelers  
Date: Available 24/7

**NOTE: Upon completion of all Aviation Modules, the employee must sign into DOI Learn and Self Certify completion.**



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### **BSEE Marine Debris Awareness**

The BSEE NTL No. 2012-G01 requires Marine Debris awareness training **annually** for all offshore employees and contractors actively engaged in offshore operations. The training consist of two parts: (1) viewing a marine trash and debris training video or slide show and (2) receiving an explanation from management personnel from the lessee or designated lease operator that emphasizes their commitment to the message of the NTL. Marine Debris Awareness is identified as Level 1 training for BSEE Inspectors. The slides are available on DOI Learn as a PDF. The video is available on the OOC website: <http://www.theooc.us/marinedebris.html> and on the pipeline under the Offshore Training Branch: <http://pipeline.boemre.gov/organizations/oemm/otb.aspx>

**Once you've completed viewing the video or the slides, return to your DOI-Learn account to self-certify.**

Target Audience: Inspectors

Date: Available 24/7

Slides: DOI Learn [BSEE Marine Debris Awareness](#)

Video: <http://pipeline.boemre.gov/organizations/oemm/otb.aspx>

Self-Certify: DOI Learn [BSEE Marine Debris Awareness](#)

### **Safety: Personal Protective Equipment**

**\*\*NOTE: This course is the required Level 1 course for Industry Personal Safety Standards.**

Personal protective equipment (PPE) includes all clothing and other work accessories designed to create a barrier against workplace hazards. Hard hats, goggles, face shields, steel-toed shoes, respirators, aprons, gloves, and full body suits are all forms of personal protective equipment. At the end of this course, you should be able to: Describe the basics of conducting a hazard assessment of the workplace; Identify the different types of PPE and the proper use and care of the equipment; and Select appropriate PPE for a variety of circumstances.

Target Audience: Inspectors (Level 1)

Date: Available 24/7

Enroll: DOI Learn [Safety: Personal Protective Equipment](#)



## OFFSHORE TRAINING BRANCH COURSE SCHEDULE FY 17

December 2, 2016

### **BSEE 3D Drilling Rig Tour**

This course is a simulated tour of an oil and gas drilling rig. The video simulation highlights components and terminology associated with a drilling rig. Two suggested resources are identified: The Dictionary for the Oil and Gas Industry and Petroleum Geology Exploration, Drilling & Production (Text Book).

BSEE/OORP/OTB does not sell or endorse these resources.

Target Audience: Individuals seeking introductory terminology for the Oil and Gas Industry.

Date: Available 24/7

Enroll: DOI Learn: [BSEE 3D Drilling Rig Tour](#)

### **SEMS II Awareness Training for Oil field Employees**

Online training course for the New Safety and Environmental Management System (SEMS) II regulation, 30 CFR 250 Subpart S.

Target Audience: Inspectors

Date: Available 24/7

Enroll: DOI Learn [BSEE SEMS II Awareness Training for Oil Field Employees](#)

### **Petroleum Engineering Online Certification Program – Texas A&M**

The mission of the certificate program is to address the needs and interests especially of those individuals who are interested in expanding and updating their knowledge and information in specialized areas of petroleum engineering such as asset management and economics, drilling, formation evaluation, natural gas, production, reserves, and reservoir engineering.

Online training in Petroleum Engineering principles for Non-Petroleum Engineers who graduated with an undergraduate degree within the last 5 years.

Target Audience: Engineers

Enroll: [http://www.pe.tamu.edu/DL\\_Program/certificates.html](http://www.pe.tamu.edu/DL_Program/certificates.html)

**THIS IS NOT IN DOI LEARN**