



**OFFSHORE TRAINING BRANCH
COURSE SCHEDULE
FY 16**

July 22, 2016

JULY

BSEET Well Control/BOP Final Rule (16 Hrs):

This course will provide the participant with the knowledge and timeline to apply the Well Control and BOP requirements incorporated into the 30 CFR 250 Subpart G applicable to the Offshore Oil and Gas Industry. The course will cover the regulatory process, summarize the final rule, API Standard 53 Blowout Prevention Equipment Systems for Drilling Wells, PINC revisions, and other API documents that are incorporated by reference.

Target Audience: Inspectors

Date: July 25-26, 2016

Location: Lake Jackson District 4005 Technology Dr Suite 2090 Angleton, TX 77515

Class Capacity: 50

Vendor: In-House

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

BSEET Introduction to SUBSEA Concepts (8 Hrs):

This course is an introduction into the operation of subsea and subsea related topside equipment, including equipment overviews, flow assurance concerns, operating guidelines, surveillance requirements, and control system operation.

Target Audience: Inspectors (Level 2)

Date: July 28, 2016

Location: Shell Robert Training and Conference Center 23260 Shell Lane , Robert LA. 70455

Class Capacity: 12

Vendor: Shell

Enroll: DOI Learn [BSEET Introduction to SUBSEA Concepts](#)

AUGUST



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BSEET Offshore Production 101 (33 Hrs):

This course is designed for Engineers new to BSEE. This course will cover the regulations specific to Production followed by three days that include: The Reservoir; Wellhead; Flowline; Header; Separators; Glycol dehydration systems; gas and oil sales lines; stage separation; storage tanks; transfer pump; produced water; well testing; secondary recovery; gas production and flow-line heaters; The last day of class incorporates application of the permitting process.

Monday 12:30 - 4:30 Regulations, Authorities, and Guidelines
Tuesday-Thursday: 7:30 to 4:00 Production 101
Friday 7:30 to 2:00 Permitting

Target Audience: Engineers (Level 2)

Date: August 1-5, 2016

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

Vendor: J. Schneiders & Associates, Ltd/In-House

Enroll: DOI Learn [BSEET Offshore Production 101](#)

BSEET Design of Experiments (20 Hrs):

This course is designed to provide the information needed to strategically plan and execute experiments this includes scientific method, steps for designing and conducting effective experiments, and statistical and graphical tests for significance.

Target Audience: Oil Spill Preparedness Division; Engineers, Scientist

Date: August 1-3, 2016

Location: 45610 Woodland Road Sterling, VA RM 190

Class Capacity: 12

Vendor:

Enroll: DOI Learn [BSEET Design of Experiments](#)

BSEET Basic Instrumentation (24 Hrs):



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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 2-4, 2016

Location: Shell Robert Training Facility, Robert, LA

Class Capacity: 12

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

BSEET Well Control/BOP Final Rule (16 Hrs):

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Target Audience: Inspectors

Date: August 8-9, 2016

Location: California District 760 Paseo Camarillo Suite 102 Camarillo, CA 93010

Class Capacity: 50

Vendor: In-House

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

BSEET ABS Application of the PVP/CVA Program (32Hrs):

This 5 day course, over 3 weeks, will provide participants with insight and understanding of the responsibilities of the Certified Verification Agent(CVA) under the Platform Verification Program(PVP) required in 30CFR250.909-918. Specifically, the student will examine CVA qualification requirements necessary to support the BSEE responsibility to assure that offshore platforms are installed in compliance with our regulations and the referenced recommended practice, codes, and standards. In addition, the CVA execution of the “verification plan” during the design, fabrication and installation phases of a project will be discussed. Of major importance will be the review of the tools the CVA must employ to perform an effective review of the complex projects that fall under the PVP. Finally, the importance of



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communication and documentation to support BSEE's regulatory authority to approve platform installation will be discussed.

Course Schedule:

Day 1- Monday August 8, 2016 Rm 121

Day 2-Tuesday August 9, 2016 Rm 121

Day 3 -Tuesday August 16, 2016 Rm 121

Day 4-Wednesday August 17, 2016 Rm 121

Day 5-Tuesday August 23, 2016 Rm 125

****You must attend all days to get credit for training**

Target Audience: Engineers (Specialized)

Date: August 8-23, 2016 (please note the above schedule days)

Location: 1201 Elmwood Parkway, New Orleans LA 70123

Class Capacity: 32

Vendor: ABS

Enroll: DOI Learn [BSEET ABS Application of the PVP/CVA Program](#)

BSEET Deepwater Well Construction and Drilling Margin (40Hrs):

This 5 day course will provide the participant with the following elements of Well Construction and managing the drilling margin: hydrostatic pressure, fluid density, basic calculations and conversions; well bore hydraulics; how to manage drilling margin; basic well control; advanced well control; deepwater well design; blowout control; and applicable regulatory information.

Target Audience: Engineers (Specialized)

Date: August 8-12, 2016

Location: 45600 Woodland Road Sterling, VA 20166 RM 142

Class Capacity: 20

Vendor: EVO Energy Consulting

Enroll: DOI Learn [BSEET Deepwater Well Construction and Drilling Margin](#)



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BSEET Fired Vessels (8 Hrs):

Upon completion of this course, participants will recognize and be able to respond to typical fired heater problems that may occur during operations. They will have an understanding of fired heater operations and the methods that can be applied to improve operating efficiency.

Note: Class begins at 7:30am.

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

Date: August 9, 2016

Location: J. Schneider and Associates, 325 Industrial Parkway, Lafayette, LA 70508

Class Capacity: 20

Vendor: J. Schneiders & Associates, LTD

Enroll: DOI Learn [BSEET Fired Vessels](#)

BSEET Computational Fluid Dynamics (CFD) (16 Hrs):

This course provides a general overview of commonly used CFD models including integral dispersion models, 2D blast Models, and 3D CFD. This will include discussion of specific applications of CFD in dispersion modeling, covering ventilation and applications of various CFD codes; applications and examples of CFD models used for pool fires, jet fires and explosions; CFD applications specific to offshore including a discussion of the probabilistic and risk approaches.

Target Audience: Oil Spill Preparedness Division; Engineers, Scientist

Date: August 9-10, 2016

Location: 45610 Woodland Road Sterling, VA RM 190

Class Capacity: 12

Vendor: TAMU

Enroll: DOI Learn [BSEE Computational Fluid Dynamics \(CFD\)](#)

BSEET Well Control/BOP Final Rule (16 Hrs):



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Target Audience: Inspectors

Date: August 11-12, 2016

Location: Alaska District Office 3801 Centerpoint Dr Suite 500 Anchorage, AK

Class Capacity: 50

Vendor: In-House

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

BSEET Fire and Gas Detection Systems (24 Hrs):

This course will provide the participant the ability recognize potential hazards, types of detectors, wiring and documentation. This course will cover Testing and maintenance, confirmed fire and gas, combined safety systems (CSS), Shutdown philosophy, Cause an defect and process and instrumentation diagrams.

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

Date: August 23-25, 2016

Location: Hilton Garden Inn 2000 Solar Drive, Oxnard CA

Class Capacity: 15

Vendor: ISA

Enroll: [DOI Learn BSEET Fire and Gas Detection Systems](#)

BSEET Petroleum Engineering for Non-Engineers (24 hrs):



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The course provides a basic understanding of offshore systems in all water depths, from shallow to ultra deepwater, including design, construction and operations. The course includes elements of field architecture to define field development; types and terminology of offshore production facilities and structures; basic processes and equipment involved in the topsides design and operation; equipment used in the transportation of produced fluids and treatment chemicals; and life-cycle and decommissioning decisions.

Target Audience: Non Engineers

Date: August 23-25, 2016

Location: 1201 Elmwood Parkway New Orleans, LA

Class Capacity: 16

Vendor: IBC Academy

Enroll: DOI Learn [BSEET Petroleum Engineering for Non-Engineers](#)

BSEET Deepwater Drilling (32 Hrs):

This course will follow a typical deepwater drilling program and drilling process from geology to rig selection and station keeping to conductor driving and surface casing setting. The well head systems, BOP, and marine riser systems for typical deepwater rig equipment will be covered. In addition, other deepwater drilling technology in reference to well control and shallow hazards, new emerging technologies such as dual gradient and managed pressure drilling; and typical operational aspect and workover issues associated to deepwater drilling.

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

Date: August 29- September 2, 2016

Time: **Monday 12:30pm to 4:30; Tues-Thurs 7:30am to 4:30pm; Friday 7:30am to 11:30am**

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

Class Capacity: 15

Vendor: NExT

Enroll: DOI Learn [BSEET Deepwater Drilling](#)

BSEE Rigless Interventions (32 Hrs):



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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: August 29- September 2nd, 2016

Location: Region Office Anchorage AK

Class Capacity: 12

Vendor: petroEDGE®

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

BSEET Introduction to Integrated Marine Site Characterization (24 Hrs):

This class will provide participants with a comprehensive introduction to survey planning, acquisition, interpretation, and integration of data, culminating with an in-depth presentation of several integrated case studies.

Target Audience: Engineers (Specialized)

Date: August 30-September 1, 2016

Location: 1201 Elmwood Parkway, New Orleans, LA RM 121

Class Capacity: 45

Vendor: SUT

Enroll: DOI Learn [BSEET Introduction to Integrated Marine Site Characterization](#)

BSEET Production Safety Systems -T2 (24 Hrs):



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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: August 30- September 30, 2016

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](#)

SEPTEMBER

BSEET Well Integrity (32 Hrs):

This course will define the building blocks of a successful well integrity management program, annulus pressure management, the equipment items, their performance standards, field data collection requirements, and methodology for data analysis. The course includes the benefits of risk analysis and shared methods applied across the industry. The course provides basic elements of well integrity management; well design elements that enhance or hinder well integrity status during the operating phase of the well life-cycle; and the benefits of well integrity management. The course is an IADC Certificate course. All participants will have the option of completing the IADC Certificate test.

Target Audience: Engineers and Inspectors

Date: September 12-16, 2016

Location: New Orleans, LA

Class Capacity: 12

Vendor: petroEDGE®

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

BSEET Risk Based Pipeline Integrity Management (24 Hrs)



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This course will provide a practical understanding of Integrity Codes and Standards; Identification of pipeline typical threats/failures; definition of Pipeline Integrity Management Systems; Assessment and management of risk; Pipeline monitoring and inspection techniques; Integrity assessment to B57910, DNV OS-F101, and API 579-1/AME-FFS-1; Direct Assessment techniques (internal/external); and reinforce learning using case studies and worked examples.

Target Audience: Engineers (Specialized)

Date: September 13-15, 2016

Location: 1201 Elmwood Parkway New Orleans LA

Class Capacity:15

Vendor: IBC Academy

Enroll: DOI Learn [BSEET Risk Based Pipeline Integrity Management](#)

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: September 19-23, 2016

Location: New Orleans, LA

Class Capacity: 12

Vendor: petroEDGE®

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

FY 16
OCTOBER



**OFFSHORE TRAINING BRANCH
COURSE SCHEDULE
FY 16**

July 22, 2016

**NOVEMBER
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*

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](#)

APRIL



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July 22, 2016

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*

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](#)

Online Courses:



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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



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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
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.

BSEE Marine Debris Awareness



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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](#)

BSEE 3D Drilling Rig Tour



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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

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