

UPSTREAM ENERGY DATA ANALYTICS PROGRAM - INFO SESSION 8 JULY 2020

UNIVERSITY OF HOUSTON MICRO-CREDENTIALING PROGRAM

- Differentiating from competition is critical to business success
- In the Upstream Oil and Gas business lowering your cost structure is critical to survival
- By nature, the industry collects a lot of data
- Converting data to knowledge for better decision making continues to be the goal
- Witnessing Technological advances in computing and innovations in data gathering & analysis
- Proper blend of science and data analysis is critical to gain unique insights
- There is still plenty of room to leverage this capability

- Upstream Energy Data Analytics
- Offered by UH Energy at the University of Houston
- In collaboration with NEXT (a Schlumberger Company)
- Designed and presented by leaders from industry and accomplished faculty
- Offered through a structured series of micro-credentials or “badges”
- Program provides the necessary data science skillsets
- Proper blend of data analysis, hands on experience in applications with real world examples
- Students learn a ready-to-apply practical skillset

- The program is delivered in 15hr module over 2 week period
- Successfully completing a 15 hour module earns a “digital badge”
- Badge completion requires passing a competency test
- Completing each group of 3 Badges earns one a Belt
- **Bronze Belt is made up of the following badges:**
 - Data Processing & Machine Learning Badge
 - Data Models Evaluation & Clustering Badge
 - Alternate Machine Learning Algorithms Badge
- **Upon completion of Bronze Belt, participants will be skilled at:**
 - Data Exploration and Preprocessing
 - Machine Learning Modeling
 - Evaluating Model Performance and Improving Model

WHO SHOULD ATTEND

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- Current industry professionals – will enhance their capabilities to get deeper insights from the data that they deal with, enabling them to make better decisions
- Students and those aspiring to join the upstream energy workforce – will learn a ready-to-apply practical skillset in data analytics, a competitively advantaged competence

- Bronze belt in Upstream Energy Data Analytics starts 20 July, 2020
- Badge 1: Data Processing & Machine Learning – July 20 through July 31
- Badge 2: Data Model Evaluation & Clustering – Aug. 3 through Aug. 14
- Badge 3: Alternate Machine Learning Algorithms – Aug. 17 through Aug. 28
- Classes meet three times per week, Monday, Wednesday & Friday from 6:00 – 8:00 pm, CST
- All classes are virtual using Zoom

Price:

- Individual Badges: \$600 per badge
- Bronze Belt Bundle (Badges 1,2 & 3, purchased together): \$1500
- More Information: <https://uh.edu/uh-energy/edac-program/>
- Apply Now: <https://uh.edu/uh-energy/edac-program/application>

QUESTIONS?