Spring 2019 online courses:

Undergraduate (online courses are denoted with 700+ extensions)

Electrical Engineering
ECEN 415-700 Physical & Economical Operations of Sustainable Energy Systems

Safety Engineering
SENG 312-700 System Safety Engineering
SENG 422-700 Fire Protection Engineering – Facilities Design
SENG 455-700 Process Safety Engineering
SENG 460-700 Quantitative Risk Analysis in Safety Engineering

Subsea Engineering
ENGR 430-700 Fundamentals of Subsea Engineering

Graduate (online courses are denoted with 700+ extensions)

Computer Science
CSCE 611-700 Operating Systems & Applications
CSCE 689-700 Advance Design Verification
CSCE 689-701 Introduction to Computing Systems
CSCE 702-700 Law & Policy in Cybersecurity

Electrical Engineering
ECEN 607-700 Advanced Analog Circuit Design Techniques
ECEN 628-700 Robust & Optimal Control
ECEN 629-700 Applied Convex Optimization
ECEN 647-700 Information Theory
ECEN 649-700 Pattern Recognition
ECEN 715-700 Physical and Economical Operations of Sustainable Energy Systems

Subsea Engineering
ENGR 630-700 Fundamentals of Subsea Engineering
ENGR 643-700 Subsea Riser Design
ENGR 681-700 Professional Development Seminar

Industrial & Systems Engineering
ISEN 609-700 Probability for Engineering Decisions
ISEN 613-700 Engineering Data Analysis
ISEN 614-700 Advanced Quality Control
ISEN 615-700 Production and Inventory Control
ISEN 620-700 Survey of Optimization
ISEN 623-700 Nonlinear & Dynamic Programming
ISEN 625-700 Simulation Methods & Applications
ISEN 631-700 Cognitive Systems Engineering
ISEN 640-700 Systems Thinking and Analysis
ISEN 641-700 Systems Engineering Methods and Frameworks
ISEN 667-700 Engineering Economy
ISEN 669-700 Software Tools for Stochastic Decision Support Analysis
ISEN 685-700 Directed Studies
ISEN 689-701 Special Topics: Human Factors for AERO
ISEN 692-704 Professional Study

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**Mechanical Engineering**

- MEEN 602-700  Modeling & Analysis of Mechanical Systems
- MEEN 611-700  Advanced Internal Combustion Engines
- MEEN 617-700  Mechanical Vibration
- MEEN 633-700  Combustion Science & Engineering

**Petroleum Engineering**

- PETE 605-700  Phase Behavior of Petroleum Reservoir Fluids
- PETE 608-700  Well Logging Methods
- PETE 618-700  Modern Petroleum Production
- PETE 626-701  Offshore Drilling
- PETE 639-700  High Performance Drilling Design & Operational Practices
- PETE 642-700  Formation Damage: Mechanisms & Remediation
- PETE 644-700  CO₂ Capture & Uses: Sequestration, Enhanced Oil Recovery (EOR)
- PETE 648-700  Pressure Transient Testing
- PETE 652-701  Deterministic Reserves Evaluation
- PETE 661-700  Drilling Engineering
- PETE 662-700  Production Engineering
- PETE 664-700  Petroleum Project Evaluation & Management
- PETE 665-700  Petroleum Reservoir Engineering
- PETE 667-700  Petroleum Engineering Reserves & Evaluation
- PETE 685-700*  Directed Studies
- PETE 691-700*  Research
- PETE 692-700*  Professional Study

**Safety Engineering**

- SENG 660-700  Quantitative Risk Analysis
- SENG 674-700  System Safety Engineering
- SENG 677-700  Fire Protection Engineering
- SENG 685-700  Directed Studies
- SENG 691-700  Research

*indicates multiple sections exist