Spring 2019 online courses:

### Undergraduate (online courses are denoted with 700+ extensions)

**Engineering**
- ENGR 489-700: Special Topics: Law for Entrepreneurs

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

**Mechanical Engineering**
- MEEN 410-700: Internal Combustion Engines

**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)

**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 681-700: Professional Development Seminar

**Industrial & Systems Engineering**
- ISEN 601-700: Location Logistics of Industrial Facilities
- ISEN 608-700: Industrial Case Analysis
- 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 616-700: Design and Analysis of Industrial Experiments
- ISEN 620-700: Survey of Optimization
- ISEN 623-700: Nonlinear & Dynamic Programming
- ISEN 625-700: Simulation Methods & Applications
- ISEN 630-700: Human Operator in Complex Systems
- ISEN 631-700: Cognitive Systems Engineering
- ISEN 640-700: Systems Thinking and Analysis
- ISEN 641-700: Systems Engineering Methods and Frameworks
- ISEN 663-700: Engineering Management & Control Systems
- ISEN 667-700: Engineering Economy
- ISEN 669-700: Software Tools for Stochastic Decision Support Analysis
Industrial & Systems Engineering (Cont’d)
ISEN 685-700  Directed Studies
ISEN 689-701  Special Topics: Human Factors for AERO
ISEN 692-704  Professional Study

Mechanical Engineering
MEEN 602-700  Modeling & Analysis of Mechanical Systems
MEEN 611-700  Advanced Internal Combustion Engines
MEEN 615-700  Advanced Engineering Thermodynamics
MEEN 617-700  Mechanical Vibrations
MEEN 633-700  Combustion Science & Engineering
MEEN 680-700  Optical Techniques for Engineers

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 681-700  Seminar
SENG 685-700  Directed Studies
SENG 691-700  Research

*indicates multiple sections exist