Spring 2018 online courses:

Undergraduate (online courses are denoted with 700+ extensions)

Electrical & Computer Engineering:
- ECEN 415-700 Physical and Economical Operations of Sustainable Energy Systems
- ECEN 474-700 VLSI Circuit Design

Mechanical Engineering:
- MEEN 410-700 Internal Combustion Engines
- MEEN 489-700 Special Topics: Engineering Manufacturing Industry

Safety Engineering:
- SENG 312-700 System Safety Engineering
- SENG 422-700 Fire Protection Engineering
- SENG 455-700 Process Safety Engineering
- SENG 460-700 Quantitative Risk Analysis

Subsea Engineering:
- ENGR 430-700 Fundamentals of Subsea Engineering

Graduate (online courses are denoted with 700+ extensions)

Computer Science & Engineering
- CSCE 689-700 Special Topics: Cloud Computing

Electrical & Computer Engineering
- ECEN 607-700 Advanced Analog Circuit Design Techniques
- ECEN 613-700 Rectifier and Inverter Circuits
- ECEN 628-700 Robust and Optimal Control
- ECEN 629-700 Convex Optimization for Electrical Engineering
- ECEN 649-700 Pattern Recognition
- ECEN 699-700 Advances in VLSI Logic Synthesis
- ECEN 704-700 VLSI Circuit Design
- 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-Subsea Engineering I
- ENGR 689-700 Special Topics: Subsea Production Operations
- ENGR 689-701 Special Topics: Subsea Riser Design
- ENGR 689-702 Special Topics: Subsea Hardware Design
- ENGR 689-703 Special Topics: Applied Reliability Engineering for Subsea Systems

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 and Dynamic Programming
- ISEN 625-700 Simulation Methods and Applications
### Industrial & Systems Engineering (cont’d)
- **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

### Mechanical Engineering
- **MEEN 602-700**: Modeling and 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 and Engineering
- **MEEN 662-700**: Energy Management in Industry
- **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 613-700**: Natural Gas Engineering
- **PETE 616-701**: Engineering Near-Critical Reservoirs
- **PETE 618-700**: Modern Petroleum Production
- **PETE 624-701**: Rock Mechanic Aspects of Petroleum Reservoir Response
- **PETE 625-701**: Well Control
- **PETE 629-700**: Advanced Hydraulic Fracturing
- **PETE 636-701**: Horizontal, Multilateral and Intelligent Wells
- **PETE 638-700(1)**: Production Logging
- **PETE 639-700**: High Performance Drilling Design and Operational Practices
- **PETE 643-701**: Oil Field Chemistry
- **PETE 652-701**: Deterministic Reserves Evaluation
- **PETE 656-700**: Advanced Numerical Methods for Reservoir Simulation

### Safety Engineering
- **SENG 660-700**: Quantitative Risk Analysis
- **SENG 674-700**: System Safety Engineering
- **SENG 677-700**: Fire Protection Engineering

*If you have any questions, please speak with your departmental academic advisor.*