Energy Execs Sample Syllabus

Session 1 (3 days)  Introduction to NREL, National Energy Challenges, and Campus Tour
- Introductions and networking
- America’s energy challenges and opportunities
- Advancements in solar and wind technologies and utility-scale renewable electricity applications
- NREL National Wind Technology Center tour
- Hosted evening reception

Session 2 (3 days)  Energy Systems Integration, Sustainable Building Design, and Analysis
- Opportunities and barriers for utility-scale renewable energy generation, regional grid integration, and associated manufacturing opportunities
- Integration, the smart grid, and using NREL’s sustainable campus building design as a living laboratory
- Analytical, economic, and resource tools to for making informed energy decisions supporting planning and financial decisions
- NREL Energy Systems Integration Facility tour
- Field trip

Session 3 (3 days)  Economic Development and Communities of the 21st Century, Energy-Efficient Transportation and Biofuels
- The economic impacts of energy efficiency and renewable energy power: Models for reducing our power footprint
- Building design and construction, performance characteristics, analytical tools, and costs
- NREL Research Support Facility tour
- Field trip

Session 4 (3 days)  Class Projects and Graduation
- Project presentations
- Graduation
- Alumni networking event