



Energy Execs Sample Syllabus

Session 1 (3 days)	Introduction to NREL, Energy Systems 101, Energy Systems Integration, Grids, Cybersecurity and Defense, Buildings
Session 2 (3 days)	Bioenergy and Bioeconomy, Transportation and Fuels, Battery Storage
Session 3 (3 days)	NREL's Alaska Campus and Partnerships, ARIES, Flatirons Campus Tour
Session 4 (3 days)	Class Project Presentations, Graduation, and Alumni Event

Session 1

Energy Systems Integration, Grids, Cybersecurity and Defense, and Buildings

- Introductions and Networking
- NREL Overview
- Energy Systems 101
- Building Design and Construction
- Utility-Scale Energy Generation, Grid Integration, and Associated Manufacturing Opportunities
- Cybersecurity Overview
- NREL Energy Systems Integration Facility Tour
- Hosted Evening Reception

Session 2

Bioenergy and Bioeconomy, Transportation and Fuels, Battery Storage

- Analytical, Economic, and Resource Tools
- Transportation Systems
- Hydrogen Overview
- NREL Field Test Laboratory Building Tour
- NREL Biofuels and Vehicle Testing Facilities Tours

Session 3

Energy Systems

- ARIES
- Alaska Campus and Partnerships
- Energy System Resilience
- Flatirons Campus Tour

Session 4

Class Project Presentations, Graduation, and Alumni Event

- Project Presentations
- Graduation
- Alumni Networking Event