

# ENERGY

Propel the future of energy forward.

UNC Kenan-Flagler is the only top business school to offer an MBA Energy curriculum that allows students to explore every aspect of the energy value chain – from oil and gas to power, petrochemicals and renewables. Graduates emerge well-prepared to assume leadership roles within the ranks of multinational corporations, renewables firms, independent producers, power generators, investment banks and consulting firms.

## EDUCATIONAL RESOURCES

### Energy Faculty

Courses are taught by practitioners with experience in specific segments of the energy industry, including major international energy firms, electric utilities, energy banks and consulting firms. Faculty use their own cases to explore transactions encountered in their careers and expose students to day-to-day business situations unique to the energy industry.

### UNC Kenan-Flagler Energy Center

The Center promotes sound energy public policy through balanced programming, unbiased research and career placement across the energy value chain. Students benefit from access to career-focused events and conferences, research assistantships, internship assistance, and networking with faculty and industry professionals.

“This is a terrific moment to be involved in energy. Today, the U.S. is the global energy superpower. Opportunities abound across the value chain from traditional oil and gas through utilities and renewables. The UNC Energy Concentration prepares you by focusing on the business problems energy executives face every day. Our industry practitioner faculty will equip you with the technical knowledge needed to decode energy issues and show you how to apply your MBA skill set to the industry’s challenges.”

Stephen Arbogast  
Professor of the Practice  
Concentration Leader for Energy



### Energy Industry Conferences

The Energy Center hosts unique industry conferences, which are invitation only and conducted to promote open dialogue. Recent events include: Meeting the Renewables Intermittency Challenge, Emerging Technologies for Carbon Capture Utilization/Sequestration, and Electricity Storage – Scoping the Technology and Policy Frontier. Energy MBA students help organize and participate in these events.

In 2021 **THE ENERGY SECTOR** outpaced overall U.S. employment growth, adding more than 300,000 jobs.

Source: 2022 U.S. Energy & Employment Report

### Energy Club

The Energy Club enables students to gain exposure to the energy space and practice leadership around energy issues. The club organizes events such as:

- Lunch & Learn series, on topics such as renewables, nuclear power and utilities, and opportunities for women in the industry.
- Energy 101, to prepare students for interactions with employers.
- Case competitions and career treks, to provide students with experiential learning and networking opportunities.

## EXPERIENTIAL LEARNING

### Energy Center Student Research

The Center offers students cutting-edge research projects on topics related to each year’s Energy Conference, where students present their results to industry leaders. Past studies include: “The All-In Cost of Renewables as Base Load Power” and “The Value of Regulatory Certainty for New Nuclear Plants.”

### National Case Competitions

MBA students represent UNC Kenan-Flagler at premier MBA energy case competitions. These competitions allow students to apply their industry and business knowledge and to network with professionals from across the U.S. In recent years, UNC Kenan-Flagler Energy MBAs have won case competitions at UCLA and University of Michigan and finished with top placings at Duke and Texas Christian University.

### Clean Tech Summit

Co-hosted by the Center for Sustainable Enterprise and the Energy Center, this annual summit welcomes over 300 industry professionals, academics and government representatives to discuss the clean tech industry. The Summit seeks to ignite innovation and collaboration to work toward solutions to critical environmental issues.



## PROFESSIONAL AND CAREER DEVELOPMENT

UNC Kenan-Flagler provides resources for students pursuing energy careers, including career coaching, workshops and leadership development programming, and opportunities to network with executives and recruiters across all segments of the energy industry.

### Career Treks

The Energy Club organizes multiple treks annually, including two during Career Week, one to Houston and one to Washington, D.C., as well as a trek to Charlotte. Treks provide students unparalleled exposure to different business models in the energy space. Alumni and company sponsored receptions provide students with networking opportunities beyond traditional on-campus employer recruitment.

### Career and Recruitment Support

Students have access to a career coach dedicated to the energy industry, helping them explore all facets of the industry and preparing them for a successful career search. The employer engagement team develops and maintains relationships with top firms across all segments of the energy industry so that students can apply to a wide array of roles.

“The industry is redefining itself—there are more questions and unknowns and thus more new ideas and innovation. Most classes are taught by energy professionals. We have CEOs or treasurers of major companies teach us fundamentals and then tie them back to what they’re doing—how they make money, what’s important to them, and what problems they face today.”

Angelica Ly, MBA '20  
Finance & Commercial Development Program Analyst at Chevron



In 2019, **U.S. ENERGY PRODUCTION EXCEEDED** U.S. energy consumption on an annual basis for the first time since 1957.

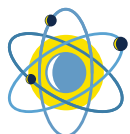
Source: U.S Energy Information Administration

## SELECT COURSES OFFERED

- » Decision Making in the Energy Industry
- » Energy Consulting
- » Energy Taxation and Policy
- » Fossil Fuel Firms and the Challenge of Carbon
- » Industrial Finance
- » Renewable Energy: Project Development and Financing
- » Strategy of Project Finance
- » The Business of Electric Power
- » The Business of Midstream Refining and Petrochemicals
- » The Business of Oil and Gas: Exploration and Production
- » The Business of Renewable Energy
- » The Energy Value Chain

## KEY EMPLOYERS

|                           |                            |
|---------------------------|----------------------------|
| Baker Hughes              | KinderMorgan               |
| BASF                      | Marathon Petroleum         |
| Brookfield Infrastructure | Morgan Stanley Energy      |
| Calpine                   | National Grid              |
| Chevron                   | National Petroleum Council |
| Cypress Creek             | Nextera Energy             |
| Duke Energy               | Schlumberger               |
| Dynahex                   | ScottMadden                |
| Emerson Electric          | Shell                      |
| Exelon                    | Southern California Edison |
| ExxonMobil                | Sunshine Solar             |
| Honeywell                 | TVA                        |
| J.P. Morgan Energy        | Wells Fargo Energy         |



**CLEAN ENERGY SOURCES** generated 21% of all electricity produced in the U.S. in 2020.

Source: U.S. Energy Information Administration

## COMPENSATION\*

|             |               |             |
|-------------|---------------|-------------|
| BASE SALARY | SIGNING BONUS | TOTAL       |
| \$133,491   | + \$30,433    | = \$163,924 |

\*Mean compensation in 2022 for UNC Kenan-Flagler Full-Time MBA graduates