

SUSTAINABLE ENERGY MINOR CONCENTRATION GUIDE

Energy is central to one of the preeminent challenges facing humanity: a sustainable human existence on the planet.

The Minor in Sustainable Energy allows students pursuing any undergraduate major at Boston University to complete a coherent suite of courses that exposes them to the interdisciplinary nature of sustainable energy. Specifically, the curriculum includes the essentials of energy from the business, economics, public policy, environmental science, and engineering perspectives. This program is cross-disciplinary, and students take courses across three schools, namely the College of Arts and Sciences (Department of Earth & Environment), the College of Engineering, and the Questrom School of Business.

FACULTY DIRECTORS

QST: [Caroline Flammer](#)

ENG: [Uday Pal](#)

CAS: [Cutler Cleveland](#) and [Robert Kaufmann](#)

For more information about required courses, please visit [here](#).

COURSEWORK

REQUIRED PRINCIPAL COURSES

- **CAS EE 150** Sustainable Energy
- **ENG EK 225** Intro to Energy Conversion and Environmental Engineering
- **QST SM 132** Introduction to Finance
- **QST SM 131** Business, Ethics and the Creation of Value

REQUIRED PRACTICUM

- **QST SI 430** Sustainable Energy Practicum

RELATED COURSE. CHOOSE ONE COURSE FROM:

- **CAS EE 302, 365, 375**
- **QST QM 450**
- **QST SM 323**

ELECTIVE COURSE. CHOOSE ONE COURSE FROM:

- **CAS EC 571**
- **CAS EE 250, 304, 395 & 396, 460, 519, 521, 555, 594, 599**
- **ENG EC/ME/SE 543**
- **ENG EC/MS 546, 573**
- **ENG EK 335, 408**
- **ENG ME 430**
- **QST FE 433**
- **QST OM 451**
- **QST SI 453, 480**

CAREER PATHWAYS

CORPORATE SUSTAINABILITY/CORPORATE SOCIAL RESPONSIBILITY (CSR)

Organizations are increasingly focusing on creating and maximizing long-term economic, social, and environmental value. Professionals in this area work on creating solutions to the challenges faced by companies in the public and private sectors in the modern world.

Careers Options: Sustainability Specialists, Marketing Managers, Compliance Managers, Financial and Investment Analysts, Innovation and Development Evaluators

CONSULTING: SUSTAINABLE ENERGY & ENVIRONMENT CONSULTING

Professionals in this area can fill a variety of roles. Some will work at traditional consulting firms and bring a sustainable lens to the projects they are assigned. Others will work directly with companies that are focused on sustainability consulting.

Careers Options: Business Analysts, Environmental Economists, Financial Risk Specialists, Biofuel/Technology Production Managers, Research Analysts, Sustainability and Energy Consultant

SUSTAINABLE FINANCE AND IMPACT INVESTING: THE FINANCING OF THE TRANSITION TO A LOW-CARBON ECONOMY

The sustainable finance and impact investing sector is growing rapidly. This sector considers environmental, social and corporate governance criteria to generate long-term competitive financial returns and positive societal impact.

Careers Options: ESG Financial and Investment Analysts, Financial Quantitative Analysts, Personal Financial Advisors, Renewable Energy Asset Manager, HR Specialists

CLEAN ENERGY: ENERGY AND THE TRANSITION TO A LOW-CARBON ECONOMY

The Clean Energy industry is exploding with opportunities. Solar-, wind-, and hydro-power will play a large role in the energy future of both individual organizations and the country as a whole.

Careers Options: Energy Auditors, Solar Sales Representatives, Wind Energy Development/Operations Managers, Solar Energy Installation Managers

INTERNSHIP AND JOB SEARCH RESOURCES

- [Greentown Labs](#)
- [Reconsidered Jobs](#)
- [Ed's Clean Energy & Sustainability Jobs List](#)
- [Sustainable Career Pathways](#)
- [Indeed.com](#)
- [Business for Social Responsibility](#)
- [Net Impact](#)
- [GreenBiz](#)
- [NextBillion](#)
- [BWork](#)
- [Climate Base](#)
- [Energyfolks](#)
- [Global Impact Investing Network](#)
- [Social Investment Forum](#)

POPULAR EMPLOYERS

The Cadmus Group

Ceres, Inc.

City of Boston; Energy Managers or Climate & Energy Efficiency

CLEARResult

Community Solar Companies: PowerMarket, Common Energy or Green Energy Consumers Alliance

Enel Green Power/EnelX

Energy Federation

ESRI

Industrial Economics

Massachusetts Office of Energy and Environmental Affairs

McKinsey & Company

National Grid

Nexamp

NMR Group

Northeast Energy Efficiency Partnership

Solstice

SustainServ

Volpe Center for Transportation

NEXT STEPS

QUESTROM/BU CLUBS

Joining clubs is a great way to gain experience and build your professional network.

In the next column is a list of Questrom Clubs those interested in Sustainable Energy should consider a club that falls within the scope of their functional interests. For a complete list of business specific Questrom Clubs, please visit [here](#) and for a list of BU wide clubs that offer organizations across larger interest areas ranging from health to nonprofits, please visit [here](#).

- [BU Energy & Sustainability Club](#)
- [BU Net Impact](#)
- [BU Environmental Students Organization \(ESO\)](#)
- [BU Cleantech Club](#)
- [Epsilon Eta at BU](#)

PROFESSIONAL ASSOCIATIONS

Professional Associations exist on the regional and national level. They host national conferences discussing relevant topics, networking events and training and professional development opportunities.

If you are interested in careers in Sustainable Energy here are some professional associations, you may want to consider joining:

- [ClimateCAP](#)
- [Net Impact](#)
- [Business for Social Responsibility](#)
- [Sustainable Brands](#)
- [Cleantech Group](#)
- [GreenBiz](#)
- [LEED Certification](#)
- [SOCAP Global](#)
- [Sustainable Investment Forum](#)

LINKEDIN GROUPS

LinkedIn is a crucial part of anyone's job search and networking strategy. Using LinkedIn groups, you can develop more targeted networks for various criteria including location, industry, function and more!

Below is a list of sample LinkedIn groups Entrepreneurship & Innovation concentrators may want to consider, for more assistance on using this feature please make an appointment with a UDC Career Advisor at bu.joinhandshake.com:

- [Net Impact](#)
- [Sustainable Brands](#)