



B.S. IN INTEGRATED ENERGY MANAGEMENT

Integrated Energy Management at CWU is a four-year Bachelor of Science degree program developed in collaboration with energy industry employers in order to understand the transition of energy landscapes, from traditional to renewable, through an interdisciplinary lens. Through this innovative new interdisciplinary program that focuses on hands-on learning and community-based research experiences, our students graduate with the valuable skills and experience they need to shape the future of energy via exciting new career opportunities.

INTEGRATED ENERGY MANAGEMENT CORE CLASSES

Integrated Energy Management Foundational Courses 28 Credit Hours

	Credits
ECON 201 Principles of Economics Micro	5
GEOG 250 – Resource Exploitation and Conservation	4
GEOG 107 – Our Dynamic Earth	5
GEOG 301 – Introduction to GIS and Maps	4

Select one from the following:

ECON 130 - Foundations for Business Analytics	5
MATH 130 - Finite Mathematics	5

Select one from the following:

MATH 153 - Pre-calculus Mathematics I	5
MATH 154 - Pre-calculus Mathematics II	5
MATH 170 - Intuitive Calculus	5
MATH 172 - Calculus I	5

Integrated Energy Management Core Courses 39-40 Credit Hours

	Credits
ECON 463 - Energy Economics	5
IEM 301- Energy Management 5	
IEM 302 – Energy, Environment, & Climate Change	4
IEM 310 – Inquiry Science in Energy Management	5
IEM 330 – Geopolitics of Fossil Fuels	4
GEOG 442 - Alternative Energy	5
IEM 489 – Integrated Energy Management Capstone	2

Choose one methods and one communication course

Methods (select one from the following list of courses)

BUS 221 - Introductory Business Statistics	5
MATH 311 - Statistical Concepts and Methods	5
PSY 362 - Introductory Statistics	5

Communications (select one from the following list of courses)

ADMG 385 - Business Communications and Report Writing	5
COM 345 - Business and Professional Speaking	4
ENG 310 - Technical Writing	4



SPECIALIZATION IN INTEGRATED ENERGY BUSINESS

CHOOSE THIS TRACK IF:

You want to be part of the process of energy production from start to finish, coordinating the flow of materials, information, and finances. You're a perfectionist. You believe there is always room for improvement, so you're always looking for innovative ways to optimize process..

POTENTIAL JOB TITLES:

Energy Demand Analyst, Energy Marketing Specialist, Supply Chain Manager

INTEGRATED ENERGY BUSINESS COURSES

Business Specialization Required Courses 20 Credit Hours

	Credits
ACCT 301 - Financial Accounting Analysis	5
MGT 380 - Organizational Management	5
MKT 360 - Principles of Marketing	5
SCM 310 - Supply Chain Management	5

Business Specialization Electives 18-20 Credit Hours

Select 15 credits from the following OR, with approval, IEM 290 and IEM 490:

Choose two of the following:

ECON 310 - International Economics	5
ECON 330 - Money and Banking	5
ECON 352 - Managerial Economics	5
ECON 355 - Economics of Labor	5
SCM 420 - Lean/Six Sigma Processes	5
SCM 425 - Procurement and Supply Management	5
SCM 435 - Supply Chain Operations	5
SCM 475 - Global Trade and Supply Chain Management	5

Choose one of the following:

MGT 477 - Global Leadership and Culture	5
MKT 364 - Marketing Promotion Management	5
MKT 365 - International Marketing	5

OR

IEM 290 - Cooperative Education	1 - 10
IEM 490 - Cooperative Education	1 - 12

TOTAL CREDITS 102-103