INTEGRATED ENERGY BUSINESS SPECIALIZATION

Integrated Energy Business specializes in training students in the areas of marketing, supply chain logistics, and economics as it relate to energy production distribution and consumption.

### Integrated Energy Management Foundational Courses—28 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 201 Principles of Economics Micro</td>
<td>5</td>
</tr>
<tr>
<td>GEOG 250 – Resource Exploitation and Conservation</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 107 – Our Dynamic Earth</td>
<td>5</td>
</tr>
<tr>
<td>GEOG 203 - Introduction to Maps and Cartography</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Course Description

**Select one from the following:**

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

**AND**

**Select one from the following:**

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

### Integrated Energy Management Core Courses—38-39 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ECON 463 - Energy Economics</td>
<td>5</td>
</tr>
<tr>
<td>GEOG 440 – Ecology and Culture</td>
<td>4</td>
</tr>
<tr>
<td>ENST 310 - Energy and Society</td>
<td>5</td>
</tr>
<tr>
<td>GEOG 303 - Introductory GIS</td>
<td>5</td>
</tr>
<tr>
<td>IEM 301- Energy Management</td>
<td>5</td>
</tr>
<tr>
<td>GEOG 442 - Alternative Energy Resources and Technologies</td>
<td>5</td>
</tr>
</tbody>
</table>

**Choose one methods and one communication course**

- **Methods (select one from the following list of courses)**
  
  - BUS 221 - Introductory Business Statistics  
  - MATH 311 - Statistical Concepts and Methods  
  - PSY 362 - Introductory Statistics  

  **AND**

- **Communications (select one from the following list of courses)**
  
  - ADMG 385 - Business Communications and Report Writing  
  - COM 345 - Business and Professional Speaking  
  - ENG 310 - Technical Writing  

Turn this page over to view required and elective classes for the Business Specialization ➔
**Energy Business Specialization Required Courses**  
ACCT 301 - Financial Accounting Analysis  
MGT 380 - Principles of Management  
MKT 360 - Essential Marketing Concepts  
SCM 310 - Supply Chain Management  

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<tr>
<td>MGT 380</td>
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</tr>
<tr>
<td>MKT 360</td>
<td>5</td>
</tr>
<tr>
<td>SCM 310</td>
<td>5</td>
</tr>
</tbody>
</table>

**Energy Business Specialization Electives**  
Select 15 credits from the following  OR, with approval, IEM 290 and IEM 490:

*Choose two of the following:*

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

*Choose one of the following*

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

*OR*

- IEM 290 - Cooperative Education  
- IEM 490 - Cooperative Education  

**TOTAL CREDITS**  
96-97

**BACHELOR DEGREE IN INTEGRATED ENERGY MANAGEMENT @CWU**

A BACHELORS DEGREE PROGRAM DEVELOPED BY COMPANIES FOCUSED ON UNDERSTANDING THE TRANSITION OF ENERGY LANDSCAPES, TRADITIONAL AND RENEWABLE, THROUGH AN INTERDISCIPLINARY LENS; AND ARMING STUDENTS WITH THE SKILL SET TO MEET THE DEMAND FOR QUALIFIED WORKERS SERVING THE BUSINESS AND MANAGEMENT SIDE OF PUBLIC AND PRIVATE ORGANIZATIONS IN THE ENERGY SECTOR

**ACCEPTING PRE-MAJORS/MAJORS FOR FALL 2015**

VISIT US AT: HTTP://WWW.CWU.EDU/ENERGY | E. ENERGY@CWU.EDU | JUNE 30, 2015