## *Minor in Sustainable Energy: 18 credits*

*Introductory Energy Courses*
**(One of the following:)**

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| ERG 157 | Energy in Society | 2 credits |
| PHY 157 | Energy in Modern Society | 3 credits |

*Introductory Energy Science Course*
**(One of the following courses:)**

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| ERG 131 | Installation and Maintenance of Photovoltaic Systems | 3 credits |
| ERG 132 | Solar Thermal and Passive Solar Systems | 3 credits |
| ERG 213 | Three-Dimensional Design | 3 credits |

*Electives:*
**An additional 12-13 credits for a total of 18 credits (including at least 6 credits at the 300-level or above) from the following:**

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| ANT 112 | Introduction to Anthropology – Energy, Culture, and Sustainability | 3 credits |
| ENG 154 | Writing about Energy | 3 credits |
| ERG 157 | Energy in Society | 2 credits |
| ERG 131 | Installation and Maintenance of Photovoltaic Systems | 3 credits |
| ERG 132 | Solar Thermal and Passive Solar Systems | 3 credits |
| ERG 213 | Three-Dimensional Design | 3 credits |
| ERG 241 | Energy Transfer | 3 credits |
| ERG 251 | History and Technology of the Western World – Material Science | 2 credits |
| ERG 301 | Modeling Electrical Load and Yield | 3 credits |
| ERG 351 | Energy Policy | 3 credits |
| ERG 361 | Internship | 3 credits |
| ERG 493 | Directed Independent Readings | 1-3 credits |
| ERG 495 | Directed Independent Study | 1-3 credits |
| ERG 497 | Directed Independent Research | 1-3 credits |
| ERG 520 | Introduction to Solar Energy | 3 credits |
| ERG 521 | Introduction to Photovoltaic Materials | 3 credits |
| ERG 551 | Grants and Funding for Sustainable Technology | 3 credits |
| ERG 581 | Energy Innovation Project I | 3 credits |
| ERG 582 | Energy Innovation Project II | 3 credits |
| ERG 595 | Special Topics in Energy Studies | 1-3 credits |
| ERG 597 | Computer Models for Short Term Weather Forecasting | 3 credits |
| HIS 110 | History and Technology of the Western World – History | 3 credits |
| MTH 249 | Modeling of the Physical World I - Advanced Calculus II | 3 credits |
| PHL 255 | Ethics, Energy, and the Environment | 3 credits |
| PHY 157 | Energy in Modern Society | 3 credits |
| PHY 213 | General Physics I | 3 credits |

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| PHY 221 | Modeling the Physical World I - Advanced General Physics I | 3 credits |
| PHY 591 | Seminar in Engineering | 1 credit |
| THL 336 | Divine Providence, Catholic Social Teaching, and the Problem of Climate Change | 3 credits |