

B.A., Major in Sustainable Energy: 63-64 credits (up to 18 credits satisfy specific Magis Core Requirement)

Introductory Energy Courses

(One of the following:)

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

Introductory Design Course

(The following course:)

ERG 213	Three-Dimensional Design	2 credits
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Sustainability Courses

(All of the following:)

ANT 112	Introduction to Anthropology – Energy, Culture, and Sustainability	3 credits
ANT/SOC	Environment and Society	3 credits
EVS 355		
PHL 255	Ethics, Energy, and the Environment	3 credits
THL 336	Divine Providence, Catholic Social Teaching, and the Problem of Climate Change	3 credits

Economic, Political, and Legal Considerations Courses

(Both of the following:)

ERG 351	Energy Policy	3 credits
ERG 551	Grants and Funding for Sustainable Technology	3 credits

Science Experience Courses

(All of the following:)

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 361	Internship	3 credits
ERG 520	Introduction to Solar Energy	3 credits
HIS 110	History and Technology of the Western World – History	3 credits

Advanced Project Courses

(Both of the following:)

ERG 581	Energy Innovation Project I	3 credits
ERG 582	Energy Innovation Project II	3 credits

Electives:

(Minimum of 18 additional credits from the following:)

- ART 155 Welded Metal Sculpture I
- ART 156 Bronze Casting I
- ART 211 Introductory Ceramics
- ART 255 Welded Metal Sculpture II

ART 256 Bronze Casting II
ART 311 Intermediate Ceramics I
ART 312 Intermediate Ceramics II
AMS 307/ANT 307/SOC 307/EVS 307 Demography: World Population Issues
AMS 312/HAP 312/SOC 312 Quantitative Methods in the Social Sciences
ANT 314/SOC 314 Statistics for the Social Sciences
AMS 316/ANT 316/SOC 316/NAS 316 Qualitative Methods in the Social Sciences
ANT 350/SOC 350 Social Change
ANT 424/NAS 424/SRP 424/SOC 424 Sustainability and Rural America
ATS 533/EVS 533 Physical Climatology and Climate Change
BUS 201 Legal Environment of Business
BUS 479 Catholic Social Teaching and Social Entrepreneurship
COM 360 Organizational Communication
COM 362 Small Group Communication
COM 441 Deliberation on Sustainability
ECO 353/EVS 353 Environmental Economics
ERG 131 Installation and Maintenance of Photovoltaic Systems
ERG 132 Convection and Passive Solar Energy Systems
ERG 493 Directed Independent Readings
ERG 495 Directed Independent Study
ERG 497 Directed Independent Research
ERG 595 Special Topics in Energy Studies
ENG 154 Writing about Energy and Sustainability
ENG 315 Technical and Professional Writing
ENG 381 Literature and the Environment
ENG 440 Introduction to Green Cultural Studies
ENT 312 Innovation and Creativity
ENT 314 Business Planning for Social Entrepreneurs
EVS 333/PLS 333 Environmental Politics and Policy
EVS 354/PHL 354 Environmental Ethics
EVS 374 Management of Environmental Risk
EVS 452/JMC 452/PHL 452/SRP 452 Science, Media and Risk
HRS 303 Sources and Methods: Fuzzy Math Logic
HRS 311 Sources and Methods: Graph Theory
HRS 312 Sources and Methods: Gödel, Escher and Bach
HRS 315 Sources and Methods: Innovation and Creativity
HRS 334 Sources and Methods: Green Chemistry and Sustainability
HRS 342 Sources and Methods: Modeling Global Issues
JRN 215 Information Concepts and Practices
JRN 220 Professional Writing
PHY 591 Seminar in Engineering
PLS 235 Interest Group Politics
PLS 310 Political Science Research Methods
PLS 331 Managing Public and Non-profit Sectors
PLS 436 Politics and Ethics of Science and Technology
PLS 463 Game Theory and Political Choice
PLS 520 Statistical Methods for Public Administration and Policy Analysis
SOC 335 Technology and Human Values
SOC 570 Geographic Information Systems
SRP 437 Environment, Race, Class and Gender
THL 565 Catholic Social Teaching