

SUSTAINABILITY

Requirements

Minor requires 18 credit hours distributed as follows: 6 hours of core courses and 12 hours of restricted electives selected from four thematic areas.

1. Earth, Climate and Environmental Systems;
2. Technology, Business and Economic Development;
3. Policy Analysis and Political Systems;
4. Human Health, Societies and Social Systems.

No more than 6 credit hours from any one theme may be applied towards the minor. The core sequence includes SUS 230 Principles of Sustainability and SUS 231 Advanced Concepts in Sustainability. To earn the Minor in Sustainability, students must earn a grade of C or better in all courses counting toward the minor.

Eligibility

The Sustainability minor is a flexible program open to all majors. Students will be exposed to various concepts of sustainability and modern sustainable practices that can be used to address current issues affecting society, organizations, and the world.

Why Minor in Sustainability?

The human race continues to bear extraordinary burdens on the earth, leading to the depletion of non-renewable resources. With a rapidly growing population and increasing demand for food, our agricultural systems have been used as vehicles for profit, with little regard to environmental safeguards. By current estimates, we would need the equivalent of 1.6-earths to support global demand for goods and mined resources given the current rate of their exploitation. Additionally, global emissions of greenhouse gasses and other environmental pollutants continue to accelerate the rate of global warming and threatens both water and air quality. Sustainability is a term that was born from the Brundtland Commission report describing sustainable development as "development which meets the needs of current generations without compromising the ability of future generations to meet their own needs". The concept supports strong economic and social development while underlining the importance of protecting the natural resource base and the environment. Businesses and organizations, regardless of sector now greatly consider sustainability training when making hiring decisions.



plan of study



Core Courses

SUS 230	Principles of Sustainability	3 Credit hours
SUS 231	Advanced Concepts in Sustainability	3 Credit hours

Earth, Climate and Environmental Systems

BIO 143	Introduction to Biology I	4 Credit hours	
BIO 144	Introduction to Biology II	4 Credit hours	
BIO 242	Ecology	4 Credit hours	prerequisites BIO 143/144
CHE 131	General Chemistry I	3 Credit hours	
CHE 132	General Chemistry II	3 Credit hours	prerequisite CHE 131
CHE335/325	Analytical Chemistry & Analytical Instrumentation I	5 Credit hours	prerequisite 222/232*
NSC 220	Introduction to Laboratory Research Instrumentation	2 Credit hours	

Technology, Business and Economic Development

ACC 230	Accounting for Non-Business Majors	3 Credit hours	prerequisites MTH 131 or higher
BUS 100	Introduction to Business	3 Credit hours	
BUS 233	Business Statistics	3 Credit hours	prerequisites MTH 132 or higher
BUS 433	Business & Economics Research	3 Credit hours	prerequisites BUS 233
COM 240	Business Writing	3 Credit hours	same as ENG 233
COM 432	Intercultural Communication	3 Credit hours	prerequisites COM 231
CSE 138	Introduction to Computer Science and Engineering	3 Credit hours	
CSC 230	Introduction to Programming	3 Credit hours	
CSC 231	Computer Programming I	3 Credit hours	
CSC 232	Computer Programming II	3 Credit hours	prerequisites CSC 231
CSC 238	Introduction to Information Security	3 Credit hours	
ECO 230	Economics for Non-Business and Economics Majors	3 Credit hours	
ECO 231	Principles of Macroeconomics	3 Credit hours	prerequisites MTH 132 or higher*
ECO 232	Principles of Microeconomics	3 Credit hours	prerequisites ECO 231*
ECO 332	Urban and Regional Economics	3 Credit hours	prerequisites ECO 232
ECO 334	International Economics and Social Problems	3 Credit hours	prerequisites ECO 232
ECO 432	Economic Development	3 Credit hours	prerequisites ECO 232*
ECO 438	Environmental Economics	3 Credit hours	prerequisites ECO 232*
MGT 333	Principles of Management and Organizational Behavior	3 Credit hours	prerequisites MTH 131 - 137
MGT 335	Leadership and Organizational Change	3 Credit hours	prerequisites MGT 333
MGT 339	Small Business Management	3 Credit hours	prerequisites MTH 131 - 137
MGT 436	Organizational Behavior and Design	3 Credit hours	prerequisites MGT 333
MGT 438	International Business	3 Credit hours	prerequisites MGT 333
MKT 331	Principles of Marketing	3 Credit hours	prerequisites MTH 131/132
MKT 350	Consumer Behavior	3 Credit hours	prerequisites MKT 331
MKT 431	Supply Chain Management	3 Credit hours	prerequisites MKT 334
MKT 435	International Marketing	3 Credit hours	prerequisites MKT 334

Policy Analysis and Political Systems

POL 100	Introduction to Political Science	3 Credit hours	
POL 131	American Government	3 Credit hours	prerequisites MKT 331
POL 230	Introduction to Political Analysis (Fall only)	3 Credit hours	prerequisites POL 131*
POL 331	Law and Politics (offered on alternate years)	3 Credit hours	
POL 332	The Developing World (offered on alternate years)	3 Credit hours	
POL 333	Comparative Political Systems (Spring only)	3 Credit hours	prerequisites POL 131
POL 334	International Relations (Fall only)	3 Credit hours	
POL 335	Political Theory (offered on alternate years)	3 Credit hours	prerequisites POL 131
POL 431	Policy Analysis	3 Credit hours	prerequisites POL 131/230
POL 433	International Organization (offered on alternate years)	3 Credit hours	
POL 435	Civil Rights and Civil Liberties (offered on alternate years)	3 Credit hours	
POL 436	Bureaucracy and Organizational Behavior (offered on alternate years)	3 Credit hours	
POL 437	Foreign Policy	3 Credit hours	
GEO 131	Introduction to Geography	3 Credit hours	

Human Health, Societies and Social Systems

COM 256	Health Communication	3 Credit hours	prerequisites POL 131*
CSC 336	Introduction to Bioinformatics	3 Credit hours	prerequisites CSC 131 LS 135/HON 110*
CSC 433/ BIO 433	Explorations in Genomics	3 Credit hours	prerequisites CSC 336/ BIO 336*
CRM 230	Crime and Society (once a year)	3 Credit hours	
HED 231	Health and Nutrition	3 Credit hours	
HED 232	Human Sexuality and Family Living	3 Credit hours	
HED 233	Community Health	3 Credit hours	
HED 334	Program Planning and Evaluation	3 Credit hours	
HED 335	Minority Health Problems and Issues	3 Credit hours	
HED 337	Environmental Health	3 Credit hours	
HED 435	Epidemiology	3 Credit hours	
HED 437	Applications in Health Communications	3 Credit hours	
HED 438	Social and Behavioral Aspects of Global Health	3 Credit hours	
PSY 337	Industrial/Organizational Psychology	3 Credit hours	
PSY 431	Social Psychology	3 Credit hours	prerequisites PSY 131
SWK 239	Introduction to Social Work	3 Credit hours	
SWK 334	Human Behavior and the Social Environment I (fall only)	3 Credit hours	prerequisites**
SWK 335	Human Behavior and the Social Environment II	3 Credit hours	prerequisites***
SWK 431	Social Work Research Methods	3 Credit hours	prerequisites SWK 239 Pass
SWK 432	Social Work with Groups	3 Credit hours	
SWK 437	Community Organization	3 Credit hours	prerequisites SWK 239
SOC 131	Principles of Sociology	3 Credit hours	
SOC 238	Social Problems (alternate years, fall semester)	3 Credit hours	
SOC 332	Urban Sociology	3 Credit hours	

* departmental approval may be obtained instead of course prerequisites

** The successful passage of SWK 239 with a C or better, SOC 131, and PSY 131. Open to Pre-Social Work and Social Work Majors Only.

*** The successful passage of SWK 239 and SWK 334 with a C or better. Open to Social Work majors only



Center for Renewable Energy
& Sustainability

at Johnson C. Smith University