

## Sustainability Minor Master Course Listing

This is a complete list of approved courses that can be used to complete the Sustainability Minor. This list is subject to change at any time. Please reference [Sustainability Minor Webpage](#), Cardinal Students, and the Academics tab on participating departments' websites to view course information such as descriptions and schedules. Prerequisites and department consent may apply. Contact department for more information.

Department	Catalog Number	Course Title	Category A-Social	Category B-Environmental	Category C-Economic
Busch School of Business	ACCT 417/517	Government and Non-Profit Accounting			X
Busch School of Business	ACCT 442/542	Accounting Ethics			X
School of Arts and Sciences: Department of Anthropology	ANTH 214	Anthropology of Food	X		
School of Arts and Sciences: Department of Anthropology	ANTH 218	End of Nature? Env'l Degradation in a Globalizing Society	X		
School of Arts and Sciences: Department of Anthropology	ANTH 250	The New Political Anthropology	X		
School of Arts and Sciences: Department of Anthropology	ANTH 315	Globalization and the Culture of Capitalism	X		
School of Arts and Sciences: Department of Anthropology	ANTH 322	Lost Cities and Ancient Empires	X		
School of Arts and Sciences: Department of Anthropology	ANTH 354	The Archeology of Settlements and Landscapes	X		
School of Architecture and Planning	ARPL 232/232H	Environmental Systems Design I		X	
School of Architecture and Planning	ARPL 331/331H	Environmental Systems Design II		X	
School of Architecture and Planning	ARPL 335/735	Sustainable Materials and Assemblies			X
School of Architecture and Planning	ARPL 383/783	Ethics and Stewardship	X		
School of Architecture and Planning	ARPL 419/519	Human Centric Evidence Based Well-Being	X		
School of Architecture and Planning	ARPL 419/519	Civil Architecture Well Being	X		
School of Architecture and Planning	ARPL 4/19/519	Urban Poverty and Architecture	X		
School of Architecture and Planning	ARPL 419/519	People, Planet, and Profit			X

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School of Architecture and Planning	ARPL 419/519 ARPL 439/539	Equity in the Built Environment: Creating Sustainable & Healthy Communities for All	X		
School of Architecture and Planning	ARPL 419/519	High-Performance Envelope Design		X	X
School of Architecture and Planning	ARPL 419/519 ARPL 439/539	Green Codes		X	X
School of Architecture and Planning	ARPL 419/519	From Babylon to the Eco-City	X		
School of Architecture and Planning	ARPL 420/520	Translating the New Urban Agenda into Arch Principles	X		
School of Architecture and Planning	ARPL 423/523 ARPL 489/589	Real Estate Development			X
School of Architecture and Planning	ARPL 438/538	LEED Lab		X	X
School of Architecture and Planning	ARPL 439/539	Building Performance Verification		X	X
School of Architecture and Planning	ARPL 439/539	Introduction to Resilience and Climate Adaptation	X	X	X
School of Architecture and Planning	ARPL 439/539	Embodied Carbon in the Built Environment: Why is it important and what does the future look like		X	X
School of Architecture and Planning	ARPL 439/539	Sustenance & Sustainability: Urban Community Garden Summer Internship	X	X	X
School of Architecture and Planning	ARPL 439/539	Inclusive architecture in the age of automated mobility	X		
School of Architecture and Planning	ARPL 494-10	Independent Study- Living Office	X	X	X
School of Architecture and Planning	ARPL537	Sustainable Strategies and Synergies			X
School of Architecture and Planning	ARPL 539-01	Facades		X	
School of Architecture and Planning	ARPL 571	The Facilities Management Context (1 credit)			X
School of Architecture and Planning	ARPL 586B	Healthy Cities, Livable Places	X		
School of Architecture and Planning	ARPL 586G	Urban Morphology	X		
School of Architecture and Planning	ARPL 672	Occupancy Management			X
School of Architecture and Planning	ARPL 673	Project and Practice Management for FM			X

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School of Architecture and Planning	ARPL 678	Building Operations and Maintenance			X
School of Architecture and Planning	ARPL 788	Urban Economics			X
School of Architecture and Planning	ARPL 789	Transportation and Land Use Planning		X	
School of Architecture and Planning	ARPL XXX	Approved Course by Associate Dean of Undergraduate (3 credits)	X	X	X
School of Arts and Sciences: Department of Chemistry	CHEM 308	Batteries, Fuel Cells, and Energy Storage		X	
School of Arts and Sciences: Department of Chemistry	CHEM 311	Analytical Chemistry		X	
School of Arts and Sciences: Department of Chemistry	CHEM 101 (formally CHEM 317)	Principles of Environmental Science		X	
School of Arts and Sciences: Department of Chemistry	CHEM 318	Seminar in Environmental Science		X	
School of Arts and Sciences: Department of Economics	ECON 301	Ethics in Business and Economics			X
School of Arts and Sciences: Department of Economics	ECON 334	Capitalis, Globalization and Consumption			X
School of Arts and Sciences: Department of Economics	ECON 350	Environment and Economics			X
School of Arts and Sciences: Department of Economics	ECON 359	Public Finance			X
School of Arts and Sciences: Department of Economics	ECON 540	Economics of Development and Institutions			X
School of Arts and Sciences: Department of Economics	ECON 551	Economic Development of Latin America			X
School of Arts and Sciences: Department of Economics	ECON 580	International Trade			X
School of Arts and Sciences: Department of Education	EDUC 422/522	Race, Class, Gender and Disability in Education	X		

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School of Engineering	EE 420	Hybrid Gas/Electric Vehicles		X	
School of Engineering	EE 459	Introduction to Wind Energy Technology		X	
School of Engineering	EE 460	Photovoltaics		X	
School of Engineering	EE 461	Photovoltaics Laboratory		X	
School of Engineering	ENGR 314	Introduction to Alternative Energy		X	
School of Engineering	ENGR 362	Ethics in Engineering	X		
School of Engineering	CEE 438	Introduction to Environmental Engineering		X	X
School of Engineering	CEE 383	Ethics and Stewardship	X		
Honors Program	HSEV 101	Environmental Science & Engineering	X	X	
Honors Program	HSEV 102	Religion, Ethics and Ecology	X		
Honors Program	HSEV 203	The Economics of Energy and the Env't			X
Honors Program	HSEV 204	The Environment, Energy and Policy			X
Honors Program	HSSS 102	Economic Reasoning and Social issues			X
School of Arts and Sciences: Department of Economics	IEDM 521	Economics and Manag't Aspects of Health, Food, Nutrition			X
School of Arts and Sciences: Department of Economics	IEDM 522	Economic Management Aspects of Energy and Env't			X
School of Arts and Sciences: Department of Economics	IEDM 540	Economics of Development & Institutions			X
School of Arts and Sciences: Department of Economics	IEDM 555	Infrastructure Planning			X
School of Engineering	ME 526	Alternative Energy Engineering		X	
School of Engineering	ME 529	Environmental Protection for Energy Systems		X	
School of Engineering	ME 530	Applied Energy Systems		X	
School of Engineering	ME 532	Design of Power & Propulsion Systems		X	
School of Engineering	ME 533	Energy Conservation and HVAC		X	
School of Engineering	ME 534	Design of HVAC & Refrigeration		X	
School of Engineering	ME 535	Design and Optimization of Energy Systems		X	

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School of Engineering	ME 536	Thermal Environmental Engineering		X	
School of Engineering	ME 537	Air Pollution and Control		X	
School of Engineering	ME 539	Combustion and Fuels		X	
School of Engineering	ME 544	Introduction to Multiphase Flows & Systems		X	
School of Engineering	ME 550	Solid Waste Management		X	
Busch School of Business	MGT 301	Ethics in Business and Economics	X		X
Busch School of Business	MGT 312	Supply Chain Management			X
Busch School of Business	MGT 335	Energy: Lifeblood of the American Economy			X
Conway School of Nursing	NURS 257	Nutrition	X		
Conway School of Nursing	NURS 2XX	Public Health	X		
Conway School of Nursing	NURS254A	Health and Wellness across the lifespan	X		
School of Philosophy	PHIL 309	Theories of Ethics	X		
School of Philosophy	PHIL 311	Contemporary Moral Issues	X		
School of Philosophy	PHIL 362	Professional Ethics in Engineering	X		
School of Arts and Sciences: Department of Physics	PHYS 101	20th Century Physics		X	
School of Arts and Sciences: Department of Politics	POL 478	Environmental Politics	X		
School of Arts and Sciences: Department of Politics	POL 519B	Environmental Politics and Policy	X		
School of Arts and Sciences: Department of Politics	POL 666	Environment and Development in the Americas	X		
School of Arts and Sciences: Department of Psychology	PSY 383	Health Psychology	X		
Rome Center	POL 478	Politics of Global Environmental Problems or Environmental Politics	X	X	X
School of Arts and Sciences: Department of Sociology	SOC 102	Global Social Problems and Social Justice	X		

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School of Arts and Sciences: Department of Sociology	SOC109	Health and Society	X		
School of Arts and Sciences: Department of Sociology	SOC281	Population, Environment and Society	X		
School of Arts and Sciences: Department of Sociology	SOC 321	Religion and Development	X		
School of Arts and Sciences: Department of Sociology	SOC 338	The Urban Metropolis	X		
School of Arts and Sciences: Department of Sociology	SOC 423	Comparative Development and Social Change	X		
School of Arts and Sciences: Department of Sociology	SOC 433	Environmental Justice and Ethics	X		
School of Arts and Sciences: Department of Modern Languages and Literatures	SPAN 310	Contemporary Hispanic Issues	X		
School of Theology and Religious Studies	TRS 230	Introduction to Moral Theology/Ethics	X		
School of Theology and Religious Studies	TRS 381	Ways of Peace in World Religions	X		
School of Theology and Religious Studies	TRS 385	Religion and Ecology	X		