SUSTAINABILITY PROGRAM

Interested students should notify the graduate certificate coordinator, Felix Fernando (wfernando1@udayton.edu), or program director, Umesh Haritashya (https://udayton.edu/directory/artssciences/geology/haritashya_umesh.php).

Sustainability Program Advisory Committee (https://udayton.edu/artssciences/academics/sustainability/faculty-staff.php)

Certificate in Sustainability (SUS)

If you are a graduate student interested in adding another complementary qualification that can greatly enhance your employability or are a professional interested in gaining a qualification that can help you take the next step in your career, the Graduate Certificate in Sustainability is the right choice for you. The Graduate Certificate provides a unique interdisciplinary perspective on what it takes to address the world's toughest challenges—from poverty and climate change to renewable energy and urban development.

Students must complete **two core courses** (for 6 credits) and **two electives** (totaling at least 6 credits) for a minimum of 12 credits total in order to obtain the Graduate Certificate in Sustainability. The two core courses are SSP 500: Foundations in Sustainability (offered every Fall) and SSP 580: Applied Sustainability (offered every Spring). Approved elective graduate courses (outlined in the below table) constitute the two remaining courses. If you have any questions or require further information please don't hesitate to contact the program coordinator, Dr. Felix Fernando (wfernando1@udayton.edu).

All students take the following two courses:

SSP 500	Foundations in Sustainability	3
SSP 580	Applied Sustainability	3
Select two from the following courses, or receive approval for up to 6 credit hours of applicable coursework.		**6**
COM 506	Ethics of Communication	
COM 517	Organizational Communication	
COM 520	Advanced Public Relations Campaigns	
COM 525	Communication Training & Development	
COM 530	Development of Mass Media	
COM 536	Theories & Models of Communication	
COM 537	Conflict Management	
COM 543	Health Campaigns	
COM 555	Theories and Research in Public Relations	
COM 561	Corporate Public Relations	
COM 564	Public Relations in International Contexts	
COM 571	Mass Communication Processes & Effects	
ACC 602A	Information Assurance	
ACC 603A	Advanced Financial Accounting	
ACC 701	Professional Speakers Forum	
ACC 702	Accounting and Business Ethics	
ACC 703	Accounting for Community	
ACC 707	Advanced Accounting Data Analytics	
BIO 509	Ecological Restoration	
BIO 511	Ecosystem Dynamics	
BIO 535	Problems in Field Biology	
BIO 550	Biometrics	
BIO 553	Research Methods in Ecology	
BIO 554	Scientific Practice	
CEE 553	Travel Demand Modeling	
CEE 554	Urban Public Transportation	
CEE 564	Solid Waste Engineering	
CEE 595	Special Problems in Civil Engineering	
CME 533	Biofuel	
ECE 515	Engineering Magnetic Materials & Their Function in Green Energy	
ECE 595	Special Problems in Electrical Engineering	
ENM 530	Engineering Economy	
GEO 550	Applied Geographic Information Systems	
GEO 555	Environmental Remote Sensing	
GEO 560	Advanced Applications of Geographical Information Systems	
GEO 598	Capstone Project	
MBA 602B	Fraud Examination	
MBA 605A	Contemporary Issues in Accounting	
MBA 679	Special Topics in Management & Entrepreneurship	
MBA 693	Immersion: Disrupting Business - Applied Creative Change Making for the Common Good	
MBA 694	Immersion: Servant Leadership	
MBA 792	Performance Measurement & Control Systems Perspective	
MBA 793	Operational Effectiveness	
MBA 795	Organizational Behavior	
MBA 797	Marketing Management	
MEE 507	Materials for Advanced Energy Applications	
MPA 504	State & Local Government	
MPA 506	Urban Administration	
MPA 508	Contemporary Issues	
MPA 514	Government Planning	
MPA 515	Emergency Management	
MPA 516	Program Evaluation	
MPA 524	Ethics in Public Administration	
MPA 526	Leadership in Building Communities	
MPA 551	Introduction to Public Policy	
MPA 556	Environmental Policy	
MPA 557	Health Policy	
MPA 561	Nonprofit & Community Leadership	
MPA 562	Strategic Planning for Nonprofit & Community Organizations	
MPA 563	NGO Management & Development	
MPA 565	Grantwriting	
MPA 566	Nonprofit Community Relations	
MPA 567	Building the Nonprofit Network	
MPA 568	The Responsive Nonprofit	
RCL 533	Biofuel Production Processes	
RCL 557	Building Energy Informatics	
RCL 561	Solar Energy Engineering	
RCL 562	Geothermal Energy Engineering	

RCL 563	Wind Energy Engineering	
RCL 564	Sustainable Energy Systems	
RCL 569	Energy Efficient Buildings	
RCL 572	Design for Environment	
RCL 573	Renewable Energy Systems	
RCL 578	Energy Efficient Manufacturing	
RCL 590	Special Problems in Renewable & Clean Energy	
LAW 6927 - Social Justice Law		
LAW 6821/5821- Corporate Compliance & Ethics		
LAW 6833 - Environmental Law		
LAW 6205/5205 - Administrative Law		
LAW 6118 - Critical Race & Feminist Legal Theory Law		
LAW 6813 - Intellectual Property & Human Rights		
LAW 6116 - International Human Rights Law		
Total Hours		**12**

Courses

SSP 500. Foundations in Sustainability. 3 Hours
Graduate-level introductory course in Sustainability. A multidisciplinary introduction that examines scientific, economic, policy, ethical and cultural approaches to sustainability issues in a global and local context. Emphasis on examining complex issues from different disciplinary viewpoints, and learning how ethical, scientific and sociopolitical knowledge and inquiry work to investigate and address community, environment, climate change and sustainable development.

SSP 580. Applied Sustainability. 3 Hours
A capstone course that applies sustainability research methods to local and regional community-based projects. This course will model collaborative transdisciplinary research with a focus on systems, complexity, resilience and community. Students will work with community-based partners. Aspects of the project will be self-designed to reflect student interest and expertise.