FLORIDA UNIVERSITY SOUTHEAST

SCHOOL OF SUSTAINABILITY

MASTER OF SUSTAINABILITY (MS) PROGRAM

2025 Program

Florida University Southeast (FUSE) is a research university licensed by the Florida Department of Education, Commission for Independent Schools

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Contents

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Message from the FUSE Academic Team

The Florida University Southeast (FUSE) School of Sustainability would like to welcome you to explore the Master of Sustainability (MS) program. As a mission-driven institution, FUSE is committed to cultivating a global community of scholar-practitioners equipped to address the urgent environmental, social, and economic challenges of our time. Our Sustainability program has been thoughtfully designed to blend academic rigor with applied learning, empowering professionals to lead sustainable innovation and systemic change across industries and sectors.

Developed and taught by faculty with hands-on experience in sustainability strategy, climate policy, and responsible innovation, this fully online 18-month graduate program equips students to:

* Analyze and design sustainable solutions in fields such as energy, water, agriculture, and urban development.
* Apply systems thinking and sustainability frameworks in public, private, and nonprofit settings.
* Lead organizational change toward sustainable practices and long-term impact.
* Navigate and influence global sustainability agendas, including the SDGs, ESG, and circular economy principles.

Why a Master of Sustainability?

Position yourself at the forefront of the global sustainability movement and become a catalyst for positive change. Learn how to lead sustainable development efforts that address climate change, resource management, and environmental justice. Gain practical skills in systems thinking, stakeholder engagement, and sustainable innovation. Join a network of professionals dedicated to building a more equitable and resilient future.

PROFESSIONAL DEGREE

Advance your career with a degree that aligns purpose with professional impact.

INDUSTRY-RELEVANT TOPICS

Explore climate action, renewable energy, circular economy, and ESG strategies.

SPECIALIZATION TRACKS

Choose from Environmental Sustainability, Corporate Sustainability and Innovation, Energy Security and Policy, and Water Sustainability and Security.

GLOBAL IMPACT FOCUS

Learn to design and implement solutions that balance people, planet, and profit on a global scale.

For more information on this program, please visit www.myFUSE.education or contact us at info@myFUSE1.education.

Program Schedule

FUSE graduate programs are thoughtfully designed to accommodate the busy schedules of working professionals. Delivered fully online, each program follows a flexible, eight-week time-boxed format that allows students to concentrate on one course at a time while managing personal and professional responsibilities. The curriculum is organized into three progressive levels:

Foundational Courses: Fulfill university-wide academic requirements and prepare students for graduate-level study.

Core Courses: Establish essential knowledge and skills within the discipline to ensure a strong academic and professional foundation.

Specialization Track Courses: Enable students to focus on one of the areas of expertise offered within the program, aligning with their career goals. This structured yet adaptable approach ensures that students receive a comprehensive, career-focused education without compromising flexibility.

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<tr><th>Term 1 (6 Cr Hrs.)</th><th>Term 2 (6 Cr Hrs.)</th><th>Term 3 (6 Cr Hrs.)</th><th>Term 4 (6 Cr Hrs.)</th></tr>
<tr><td>MS 500 Comm. & Leadership - (3 Cr)</td><td>MS 501 Foundations of Sustainability - (3 Cr)</td><td>MS 601 Sustainable Dev't & Globalization (3 Cr)</td><td>MS 701 Water & Energy Nexus (3Cr)
MS 702 Env Governance, Law & Policy (3Cr)</td></tr>
<tr><td rowspan="4">MS 502 PM in Sustainability - (3 Cr)</td><td rowspan="4">MS 600 Sustainability Governance, Ethics, and Policy - (3 Cr)</td><td>MS 700 Principles of Env Sustainability (3 Cr)</td><td>MS 721 Sustainable Leadership (3 Cr)
MS 722 Core Competency Sust & Innov- (3 Cr)</td></tr>
<tr><td>MS 720 Sustainability in Business - (3 Cr)</td><td>MS 741 En Tech & Inn (3 Cr)
MS 742 Storage & Grid Integration - (3 Cr Hrs.)</td></tr>
<tr><td>MS 740 Global Energy Policy & Governance - (3Cr)</td><td rowspan="2">MS 761 Water Econo. (3 Cr)
MS 762 Geo and Hydo Politics of Water Mgmt(3 Cr)</td></tr>
<tr><td>MS 760 Transboundary Water Mgmt - (3 Cr)</td></tr>
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<tr><td colspan="2">MS 703 Env Data Analysis & Risk/Impact Assess. (3 Cr)
MS 704 Climate Change Science and Policy (3 Cr)</td><td colspan="2">MS 719 Capstone in Environmental Sustainability - (4 Cr)</td></tr>
<tr><td colspan="2">MS 723 Sustainability Performance Measurement - (3 Cr)
MS 724 Sustainable Innovation - (3 Cr)</td><td colspan="2">MS 739 Capstone in Corporate Sustainability and Innovation (4 Cr)</td></tr>
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MS 744 Renewable Energy Technology - (3 Cr)</td><td colspan="2">MS 759 Capstone in Energy Security and Policy - (4 Cr)</td></tr>
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MS 764 Water and Climate Change - (3 Cr)</td><td colspan="2">MS 779 Capstone in Water Sustainability and Security - (4 Cr)</td></tr>
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Course Descriptions

MS Foundation Courses

MS 500 Communication and Leadership in Sustainability (3 credits)
The Communication and Leadership course is designed to provide students with a thorough understanding of the essential communication skills and leadership principles necessary to excel in various professional environments. This course will explore the theories and practical aspects of effective communication, interpersonal dynamics, and leadership styles to help students develop the ability to influence, inspire, and collaborate with others.

MS 501 Foundations of Sustainability (3 credits)
This course is designed to provide an introduction to the principles, concepts, and practices of sustainability. The course is intended to equip students with a solid understanding of the environmental, social, and economic aspects of sustainability, as well as the tools and strategies necessary to create sustainable systems and promote a more sustainable future.

MS 502 Project Management in Sustainability (3 credits)
This course provides students with a solid foundation on tools and techniques managing projects and programs. Understanding of the process groups, knowledge areas, and phases of project life cycle will be discussed.

MS Core Courses

MS 600 Sustainability Governance, Ethics, and Policy (3 credits)
This course is designed to explore the intersection of sustainability, governance, ethics, and policy,and the ways in which these areas interact to create more sustainable and just societies. The course will focus on the role of governance and policy in promoting sustainability, and the ethical considerations and challenges associated with these efforts.

MS 601 Sustainable Development and Globalization (3 credits)
This course explores the complex relationship between globalization and sustainability, and the challenges and opportunities associated with these interconnected processes. The course will examine the ways in which globalization affects sustainable development, and the ways in which sustainability considerations influence globalization.

Environmental Sustainability Track Courses

MS 700 Components/Principles of Environmental Sustainability (3 credits)
This course is a comprehensive, interdisciplinary program designed to provide students with an in-depth understanding of the foundational concepts and principles that drive sustainable practices in today's world. This course will explore the key elements that contribute to environmental sustainability, including ecological integrity, social equity, economic vitality, and cultural preservation.

MS 701 Water and Energy Nexus: Conservation Planning and Management (3 credits)
This course covers the links between water and energy. Students will learn about the energy required for water management and treatment, as well as the water required for energy production. The course will also cover the policy and regulatory frameworks governing the water-

Course Descriptions

MS 702 Environmental Governance, Law, and Policy (3 credits)
This course provides an introduction to the principles, institutions, and processes of environmental law and governance at the national and international levels. Students will learn about key environmental laws, regulations, and treaties, as well as the role of various stakeholders, including governments, NGOs, and the private sector, in environmental decision-making. Students will learn about international and domestic environmental law, environmental policy-making, and the role of the judiciary in shaping environmental policy. The course will also cover the challenges of implementing environmental laws and regulations.

MS 703 Environmental Data Analysis, Risk / Impact Assessment (3 credits)
This course covers the methods and tools used to analyze environmental data. Students will learn about statistical analysis, GIS mapping, and other data visualization techniques. The course will also cover the challenges of working with complex environmental data sets and interpreting data in the context of environmental sustainability. Students will learn about the methods and tools used to identify, evaluate, and mitigate environmental impacts, as well as the legal and regulatory frameworks governing environmental impact assessment.

MS 723 Sustainable Performance Measurement (3 credits)
This course is designed to provide students with the skills and knowledge necessary to measure and evaluate the sustainability performance of organizations. The course will explore the principles and practices of sustainable performance measurement, and the ways in which these measures can be used to promote sustainable development.

MS 724 Sustainable Innovation (3 credits)
This course covers the principles and practices of sustainable innovation. Students will learn about the role of innovation in promoting sustainability, as well as the challenges of developing sustainable innovations in different contexts. The course will also cover the regulatory frameworks governing sustainable innovation.

MS 739 Capstone in Corporate Sustainability and Innovation (4 Credits)
This course gives students the opportunity to apply what they have covered in their study into a real-world problem of their choice. Students choose a topic of their project aligned with their specialization track, and under the guidance of their supervisor, they will apply the skills, tools and techniques they have learned in solving the problem they identified.

Energy Security and Policy Track Courses

MS 740 Global Energy Policy and Governance (3 credits)
This course examines the institutions, actors, and processes involved in energy policymaking and governance. Students will learn about the role of government, civil society, and business in energy decision-making and the challenges of balancing economic development with energy security. The course will also cover the history of energy policy and the role of international institutions in promoting sustainable energy.

MS 741 Energy Technology and Innovation (3 credits)
This course covers the principles and practices of energy technology and innovation. Students will learn about renewable energy technologies, energy efficiency, and emerging technologies. The course will also cover the challenges of scaling up and commercializing energy innovations.

MS 742 Energy Storage and Grid Integration (3 credits)
This course covers the principles and practices of energy storage and grid integration. Students will learn about the various energy storage technologies, as well as the challenges of integrating renewable energy sources into the grid. The course will also cover the regulatory frameworks governing energy storage and grid integration.

Course Descriptions

MS 743 The Science of Energy Sustainability (3 credits)
This course is designed to provide students with a deep understanding of the science behind energy sustainability, and the ways in which scientific research can inform energy policy and decision-making. The course will explore the principles and practices of energy sustainability, and the scientific concepts and methods used to study energy systems and their impacts.

MS 744 Renewable Energy Technology (3 credits)
This course covers the principles and practices of renewable energy technologies. Students will learn about solar, wind, hydro, and geothermal energy systems, as well as the economics and policy implications of renewable energy. The course will also cover the challenges of integrating renewable energy into existing energy systems.

MS 759 Capstone in Energy Security and Policy (4 credits)
This course gives students the opportunity to apply what they have covered in their study into a real-world problem of their choice. Students choose a topic of their project aligned with their specialization track, and under the guidance of their supervisor, they will apply the skills, tools and techniques they have learned in solving the problem they identified.

Water Sustainability and Security Track Courses

MS 760 Transboundary Water Management and its Challenges (3 credits)
This course is designed to explore the complex and critical field of transboundary water management, and the challenges and opportunities associated with managing shared water resources. The course will examine the principles and practices of transboundary water management, and the ways in which different actors can work together to promote sustainable and equitable water management.

MS 761 Water Economics (3 credits)
This course examines the economic dimensions of water sustainability and security. Students will learn about water pricing, water markets, and water governance. The course will also cover the challenges of valuing water and promoting sustainable water use.

MS 762 Geo and Hydro politics of Water Management (3 credits)
This course is designed to explore the complex and critical field of geo and hydro politics of water management, and the challenges and opportunities associated with managing shared water resources. The course will examine the political, economic, and social dimensions of water management, and the ways in which different actors can work together to promote sustainable and equitable water management.

MS 763 Integrated Water Resource Management (3 credits)
This course covers the principles and practices of integrated water resources management. Students will learn about the multidisciplinary approach to water management, which integrates social, economic, and environmental considerations. The course will also cover the challenges of implementing integrated water resources management in practice.

MS 764 Water and Climate Change (3 credits)
This course examines the impacts of climate change on water resources. Students will learn about the effects of changing precipitation patterns, rising temperatures, and sea level rise on water availability and quality. The course will also cover adaptation strategies to address the impacts of climate change on water resources.

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MS 779 Capstone in Water Sustainability and Security (4 credits)
This course gives students the opportunity to apply what they have covered in their study into a real-world problem of their choice. Students choose a topic of their project aligned with their specialization track, and under the guidance of their supervisor, they will apply the skills, tools and techniques they have learned in solving the problem they identified. Environmental Sustainability Track Courses

MS 700 Components/Principles of Environmental Sustainability (3 credits)
This course is a comprehensive, interdisciplinary program designed to provide students with an in-depth understanding of the foundational concepts and principles that drive sustainable practices in today's world. This course will explore the key elements that contribute to environmental sustainability, including ecological integrity, social equity, economic vitality, and cultural preservation.

MS 701 Water and Energy Nexus: Conservation Planning and Management (3 credits)
This course covers the links between water and energy. Students will learn about the energy required for water management and treatment, as well as the water required for energy production. The course will also cover the policy and regulatory frameworks governing the water-energy nexus and the challenges of promoting sustainable practices.

MS 702 Environmental Governance, Law, and Policy (3 credits)
This course provides an introduction to the principles, institutions, and processes of environmental law and governance at the national and international levels. Students will learn about key environmental laws, regulations, and treaties, as well as the role of various stakeholders, including governments, NGOs, and the private sector, in environmental decision-making. Students will learn about international and domestic environmental law, environmental policy-making, and the role of the judiciary in shaping environmental policy. The course will also cover the challenges of implementing environmental laws and regulations.

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MS 704 Climate Change Science and Policy (3 credits)
This course examines the scientific basis of climate change, its impacts on natural and human systems, and the policies and strategies designed to mitigate and adapt to these impacts. Students will explore current research on climate change, assess international and national policies, and discuss the role of various stakeholders in addressing climate change challenges. Topics include exposure assessment, ecological and human health risk assessment, risk communication, and decision-making. Students will apply these concepts in case study analyses and group projects.

MS 719 Capstone in Environmental Sustainability (4 Credits)
This course gives students the opportunity to apply what they have covered in their study into a real-world problem of their choice. Students choose a topic of their project aligned with their specialization track, and under the guidance of their supervisor, they will apply the skills, tools and techniques they have learned in solving the problem they identified.

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Corporate Sustainability and Innovation Track Courses

MS720 Sustainability in Business (3 credits)
This course is designed to explore the role of sustainability in promoting responsible and sustainable business practices. The course will examine the ways in which businesses can integrate sustainability considerations into their operations, and the opportunities and challenges associated with this process.

MS 721 Sustainable Leadership (3 credits)
This course is designed to provide students with the skills and knowledge necessary to become effective leaders in promoting sustainability and sustainable development. The course will examine the principles and practices of sustainable leadership, and the ways in which sustainable leadership can be integrated into different organizational contexts.

MS 722 Core Components of Sustainability and Innovation (3 credits)
This course is designed to provide students with a comprehensive understanding of the core components of sustainability and innovation, and the ways in which these concepts are interconnected. The course will explore the principles and practices of sustainability and innovation, and the opportunities and challenges associated with promoting sustainability through innovation.

MS 723 Sustainable Performance Measurement (3 credits)
This course is designed to provide students with the skills and knowledge necessary to measure and evaluate the sustainability performance of organizations. The course will explore the principles and practices of sustainable performance measurement, and the ways in which these measures can be used to promote sustainable development.

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About Florida University Southeast

Florida University Southeast (FUSE) is a fully online, mission-driven academic and research institution licensed by the Florida Department of Education's Commission for Independent Education. As the first university in the world to pioneer a Master of Business Valuation (MBV) program, FUSE continues to break new ground in professional education by offering graduate degrees that align with the demands of emerging global industries.

FUSE's commitment to thought leadership and knowledge advancement is reflected in its five affiliated centers focused on research, publication, and applied learning. These hubs foster innovation across diverse disciplines and serve as engines for creating, preserving, and disseminating knowledge to students, scholars, and practitioners worldwide.

Through its School of Professional Studies, FUSE stands apart as an Authorized Training Partner of the Project Management Institute (PMI) and other global certification bodies. This distinction, along with its practitioner-designed programs, flexible eight-week course structure, and global faculty, positions FUSE as a truly international institution dedicated to preparing professionals for the next frontier in business, technology, sustainability, and beyond.

FUSE's Core Values

Excellence

We are committed to the highest standards of academic and professional achievement. Through rigorous, practice-based programs and continuous innovation in curriculum and delivery, we empower students to exceed expectations and become leaders in their fields.

Integrity

We uphold honesty, accountability, and ethical conduct in all our interactions. From academic work to professional collaboration, integrity is the foundation of our community and the trust we build with our students, faculty, partners, and the public.

Diversity

We celebrate diverse backgrounds, perspectives, and experiences as essential to transformative learning. Our inclusive environment fosters mutual respect, cross-cultural understanding, and a commitment to equity in access, opportunity, and voice.

Global

We embrace a global outlook in everything we do—from our international faculty and student body to our cross-border research and partnerships. FUSE prepares students to thrive in interconnected, dynamic environments and lead on the world stage.

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