

SUSTAINABILITY PROGRAMS

PROFESSIONAL EDUCATION



[i] SEE INSTITUTE



TABLE OF CONTENTS

ABOUT SEE INSTITUTE	03
OUR COMMITMENT	03
THE FIRST NET ZERO CAMPUS IN THE REGION	04
PROGRAMS	05
SUSTAINABILITY IN THE BUILT ENVIRONMENT	06
SUSTAINABILITY LEADERSHIP	08
SEE RATING CERTIFICATION	10
WHO ARE THESE PROGRAMS FOR?	12



MESSAGE FROM OUR FOUNDER



In order to be future-ready, we must empower others. SEE Institute was built to be a knowledge destination, seeking to propagate the growth of sustainable practices around the world. We have over two decades of experience accumulating industry knowledge about the best practices for sustainability in the built environment. Now, from our 5000m² net zero emissions premises, which is a global benchmark for energy efficiency, SEE Institute aims to inspire climate action across all sectors of community.

Our partnerships with governments, industry and international academia have enabled us to pool resources and advance the development of practical sustainability knowledge. It is our responsibility, as leaders in climate action, to facilitate the transfer of that knowledge.

We aim to be at the forefront of sustainability education, research, business incubation and advisory services, continuing our mission of spearheading the way to a net zero emissions future and realizing 2050 targets, today.

Eng. Faris Saeed
Founder & Chairman



ABOUT SEE INSTITUTE

SEE Institute is dedicated to **fostering a sustainable future** through professional education programs that bring together experts and leaders to address the challenges of climate action and promote resilience.

We support global and regional ambitions, such as the **Paris Agreement and UN Sustainability Development Goals**, by building the human capital base needed to meet current and future sustainability needs. Our **net-zero emissions building** serves as a model for energy efficiency, and we further this message through **education, research, and conferences**. We work with governments, industry, and academia to drive climate action and **amplify the message of COP28, which will be hosted in the UAE in 2023.**

OUR COMMITMENT

SEE Institute is committed to educating national and international industry leaders, sustainability pioneers and business front-runners from public and private sector organizations, who contribute valuable knowledge to the global discourse on **sustainability and acceleration of climate action.**



OUR DEDICATION TO RESILIENT FUTURE

As we approach **COP28**, take on the **UAE's Net Zero Carbon Initiatives** and recognize the **Year of Sustainability**, it's crucial for organizations to be at the forefront of the global effort to combat climate change. This is what makes SEE Institute imperative in **climate action**, with our innovative programs designed to create real, meaningful climate action and **drive global sustainability efforts**.

At SEE Institute, we understand the complex and urgent nature of the challenge posed by climate change and the need for immediate action. Our programs are carefully crafted to **empower individuals and organizations** with the tools, knowledge, and skills they need to take meaningful, impactful steps towards a **more sustainable future**.

JOIN US
IN OUR
QUEST
FOR A
GREENER
TOMORROW

MESSAGE FROM OUR ACADEMIC HEAD



I am delighted to welcome you to SEE Institute, a vibrant hub of sustainability knowledge, innovation, and positive change.

In an era where environmental challenges are more pressing than ever, education has become a powerful catalyst for change. At SEE Institute we are dedicated to equipping our learners with not just knowledge but also the skills and mindset needed to tackle real-world sustainability issues.

Our team of passionate industry experts and educators is at the forefront of research and practice in the sustainability domain. From holistic sustainability principles to practical applications in various industries, our programs cover a spectrum of topics designed to inspire and inform.

Throughout this prospectus, I encourage you to explore the diverse range of programs and initiatives offered at our institute. Whether you are a student eager to explore the intricate web of sustainability or a professional seeking to enhance your expertise, we aim to enable you to reach your full potential.

We look forward to welcoming you as your partner in the pursuit of knowledge, awareness, and action for a better, more sustainable world.

Dr. Jasmina Locke

Academic Head & CEO

THE FIRST NET ZERO CAMPUS IN THE REGION

As a responsible organization, SEE Institute took a proactive approach to minimize the environmental impact of our building by implementing various strategies to **reduce embodied and operational net-zero emissions**. We conducted a full **life cycle assessment**, which helped us identify areas where we could reduce emissions. In addition to this, we employed an **optimized structural design** that used fewer materials wherever possible, and locally sourced prefabricated major structural elements such as beams and slabs. Furthermore, we utilized low-emitting concrete, recycled steel, and locally sourced finishes and materials to minimize transportation emissions.

The building is equipped with **bifacial solar panels, an intelligent PV facade, hybrid HVAC system** and many other passive and active designs that make this venue a true inspiration for climate action.

In addition to the above, we performed a detailed comparative analysis of different building systems to ensure we selected the best options for insulation and acoustics.

Overall, our comprehensive approach to reducing embodied carbon demonstrates **our commitment to sustainability and environmental stewardship**.



NET ZERO EMBODIED EMISSIONS 1

(UPSTREAM EMISSIONS)

5,955 sqm
Built Up Area

4,515 sqm
Gross Floor Area

124 kWh/sqm/Yr
Design Energy Use Intensity

2 NET ZERO OPERATIONAL EMISSIONS

(DOWNSTREAM EMISSIONS)

REDUCE

EMBODIED EMISSIONS WITH:



REPORT

Total Embodied Emissions
~3,000 tCO₂e

Embodied Emissions Intensity
~500 kgCO₂e/sqm

REDUCE

OPERATIONAL EMISSIONS WITH:

Estimated Energy Requirement to achieve Operational Net Zero:

560,000 kWh/year Equivalent Solar PV Capacity
Based on a specific solar yield of **1,700 kWh/kWp/Yr**

330 kWp

OFFSET

Total PV Capacity to Offset Operational Carbon-Emissions

972 kWp

- 49% SEE Institute Parking
- 29% SEE Institute Building
- 22% The Sustainable Homes Parking

Expected Annual Production
1,600,000 kWh/Yr

Total Avoided Emissions
646 tCO₂e/Yr

*DEWA grid emission factor 2020: 0.4041 tCO₂e/MWh

NOTE: EC from solar systems is not in the scope.

NET ZERO EMISSIONS

WHAT PROGRAMS DO WE OFFER?

Our programs aim to benefit professionals across multiple industries who have a keen interest in upgrading their knowledge and skills surrounding sustainability through the following programs:



SUSTAINABILITY IN THE BUILT ENVIRONMENT

- SPECIALIZATION 1
Food Security
- SPECIALIZATION 2
Energy Management
- SPECIALIZATION 3
Water Management
- SPECIALIZATION 4
Products & Materials
- SPECIALIZATION 5
Mobility Management
- SPECIALIZATION 6
Waste Management
- SPECIALIZATION 7
Design



SUSTAINABILITY LEADERSHIP

- STREAM 1
Sustainable Finance
- STREAM 2
Corporate Sustainability
- STREAM 3
Digitalization & Innovation
- STREAM 4
Sustainability in Different Sectors



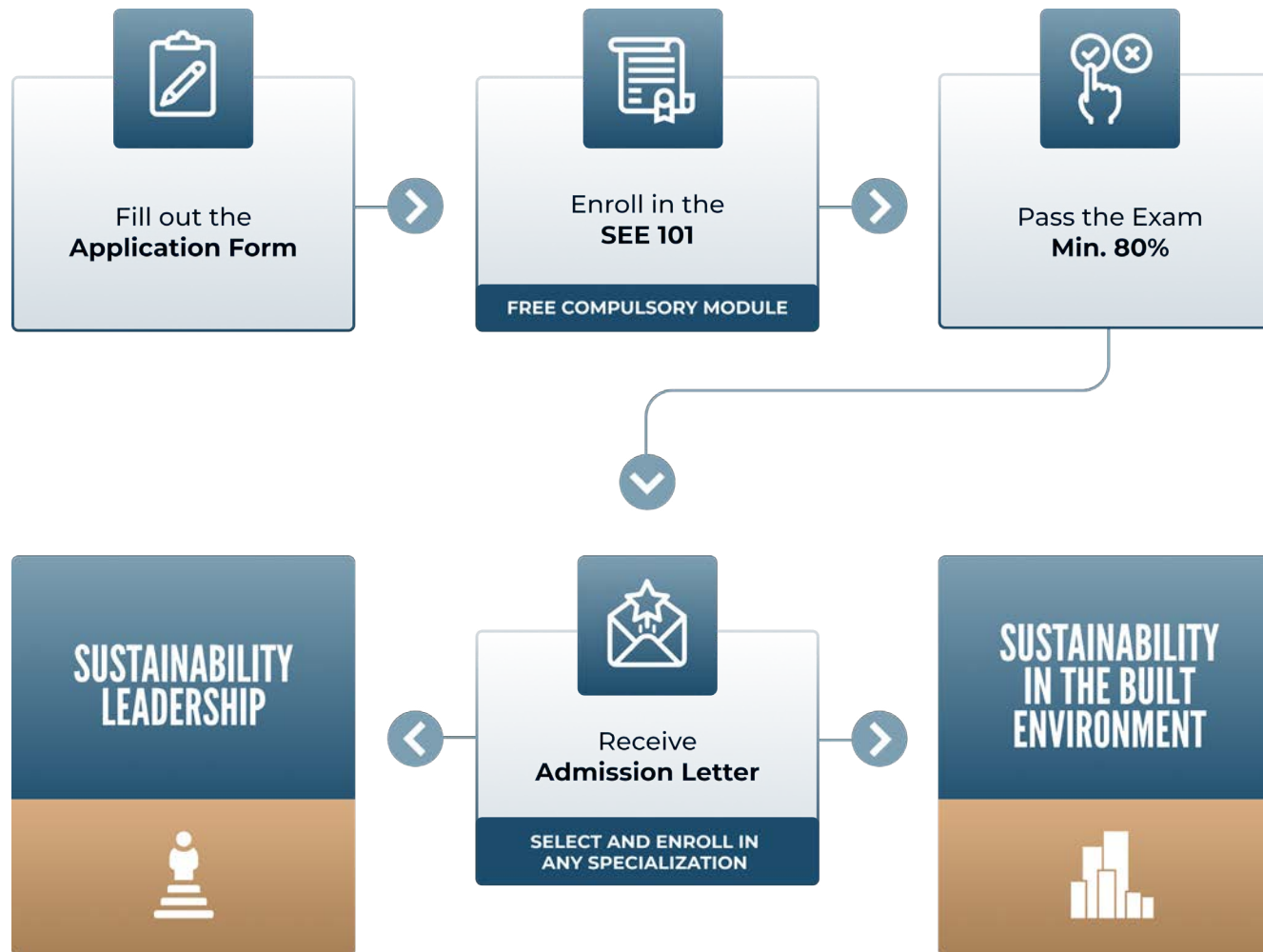
BESPOKE PROGRAMS

Here's a glimpse of what our bespoke courses can offer:

- **Sustainable Leadership**
Develop leadership skills that drive sustainability initiatives.
- **Customized Sustainability Roadmap**
Craft a roadmap tailored to your organization's unique goals and challenges.
- **Environmental Stewardship**
Foster a culture of responsible environmental management.
- **Social Impact Strategies**
Enhance your organization's social responsibility and community engagement.
- **Circular Economy Integration**
Explore innovative strategies to reduce waste and enhance resource efficiency.

ADMISSIONS PROCESS

SEE Academy offers a range of courses for managers, specialists, engineers, scientists, technical staff, consultants, and entrepreneurs. Prospective students are required to submit their "Request for Admission" to apply@seeinstitute.ae. The online registration process is as follows:





SUSTAINABILITY 101

Compulsory Module





OVERVIEW

Dive into the heart of our sustainability through the SEE Vision approach, discovering what it means to be a steward of sustainable change. Discover the FEWPMW framework, a road-map for exploring sustainability's key domains: Food sustainability, energy, water, product, mobility, and waste management. Get a preview of our enriching courses that will help you easily select the right study path and understand how this knowledge can set you apart.

COURSE TOPICS

- **TOPIC 1**
Unpacking the SEE Vision: Understanding our sustainability commitment.
- **TOPIC 2**
Navigating the FEWPMW framework: Exploring food, energy, water, product, mobility & waste in sustainability.
- **TOPIC 3**
Beyond the classroom: Practical applications of SEE Vision & FEWPMW framework.
- **TOPIC 4**
Diving into the course content: A sneak peek into your learning journey.
- **TOPIC 5**
Gaining the edge: Unlock opportunities for a sustainable future & career advancement.

KEY TAKEAWAYS

-  Comprehend the SEE Vision approach and its significance in shaping sustainability practices.
-  Grasp the FEWPMW framework and its diverse dimensions in the sustainability field.
-  Value the practical implications of the course content in your own context.
-  Get a preview of our course offering and easily select the right study path.

ADMISSION LETTER

Completion of Sustainability 101 is a prerequisite for admission to our Sustainability Programs.



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info@seeinstitute.ae

Admission Letter

Dear Mr. Smith,

Congratulations!

SEE Institute is delighted to inform you that you have been qualified for admission into the following programs at SEE Institute:

Students will have the flexibility to choose various specializations and courses within each program, guided by the following criteria.

- Upon successfully completing an individual course, participants will be awarded a Certificate of Achievement, encompassing fundamental concepts and methodologies.
- For those who successfully complete three core courses within a single specialization and an additional elective course from a distinct specialization, SEE Institute will award the student Executive Certificate specialized in the chosen field of study attesting to their mastery of sustainability competencies within the specific subject area.
- The student has the option to enroll in a comprehensive program of six courses, combined with two further courses. Upon completion, participants will be awarded the student Executive Certificate specialized in the chosen field of study attesting to their mastery of sustainability competencies within the specific subject area.




1 HOUR ONLINE MODULE



INDUSTRY EXPERT FACULTY



ADMISSION LETTER

ENROLL IN OUR PROFESSIONAL EDUCATION COURSES & TAKE YOUR CAREER TO THE NEXT LEVEL



CERTIFICATE OF ACHIEVEMENT

Upon successful completion of a single course in any of our programs, participants will be awarded a Certificate of Achievement. This certificate demonstrates sustainability competencies in the specific subject matter as well as key concepts and practices.

1 COURSE



CERTIFICATE OF ACHIEVEMENT



EXECUTIVE CERTIFICATE

This certificate showcases in-depth expertise in specific areas of sustainable built environment practices. Participants will acquire a deeper understanding and practical skills to address complex challenges in their chosen specialization. Simply select and complete 3 courses within one specialization and one elective course from any other specialization.

3 COURSES

in a selected specialization

+1 COURSE

in any specialization



EXECUTIVE CERTIFICATE IN THE CHOSEN SPECIALIZATION



CERTIFIED SUSTAINABILITY EXPERT – URBAN DEVELOPMENTS

The highest level of certification represents mastery in sustainable urban development arena. Participants will gain specialized knowledge, refine their skills, and stand out as experts in their field, capable of leading and driving transformative changes in urban sustainability initiatives.

- Sustainable Urban Food Management
- Designing and Managing Energy- Efficient Developments
- Water Management in Sustainable Urban Developments
- Products and Materials in Sustainable Urban Developments
- Mobility Management in Sustainable Urban Developments
- Waste Management in Sustainable Urban Developments
- Urban Planning & Sustainability



CERTIFIED SUSTAINABILITY EXPERT
IN URBAN DEVELOPMENTS

SUSTAINABILITY IN THE BUILT ENVIRONMENT PROGRAM

UNSDGS

Courses in this program will equip you with knowledge to advance the following SDGs:

6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



PROGRAM OVERVIEW

In response to escalating urbanization and the UAE's National Net Zero commitments, our specialized program, "Sustainability in the Built Environment," provides an in-depth analysis of sustainable urban development methodologies. Participants will engage with complex systemic considerations for eco-efficient urban planning, focusing on specialized sectors including energy optimization, waste streamlining, advanced hydrological conservation, sustainable food systems, eco-friendly material utilization, and innovative mobility solutions.

SPECIALIZATIONS



UNLOCK YOUR POTENTIAL WITH OUR SUSTAINABILITY IN THE BUILT ENVIRONMENT COURSES!

Sustainability in Urban Developments

OVERVIEW

Equip yourself with the tools to shape the sustainable cities of tomorrow! Delve into strategies for efficient food production, energy conservation, and water management. Learn to select eco-friendly materials, navigate sustainable mobility solutions, and master responsible waste disposal. Address the pressing challenges of rapid urbanization while promoting resource efficiency, environmental health, and the well-being of urban populations.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Introduction to Sustainable Urban Developments
- MODULE 2
Sustainable Food Management
- MODULE 3
Designing and Managing Energy-Efficient Developments
- MODULE 4
Sustainable Water Management
- MODULE 5
Sustainable Products and Materials
- MODULE 6
Mobility Management in Sustainable Urban Developments
- MODULE 7
Sustainable Waste Management

KEY LEARNING OUTCOMES

- Explore a multifaceted nature of sustainability and its implications for future urban planning and development.
- Discover comprehensive approaches to urban sustainability and food management.
- Identify strategies for optimizing energy consumption and enhancing water resource efficiency.
- Gain insights into eco-friendly materials and promoting sustainable mobility solutions.
- Investigate best practices in waste management to foster greener urban developments.

WHO IS THIS COURSE FOR?



Urban planners, developers and engineers seeking sustainable solutions.



Environmental consultants focusing on urban contexts.



Architects and designers aiming for eco-friendly urban projects.



Business leaders or entrepreneurs in urban development sectors.



Students or researchers specializing in urban sustainability.

WHY CHOOSE THIS COURSE?



Increase job prospects & potential for career growth by gaining expertise in sustainable urban development.



Develop skills to adopt best practices from global urban sustainability models.



Learn from the engineers, architects and designers of sustainable cities, boosting your job prospects for career advancement in sustainable urban development.



Obtain practical insights into the latest sustainable urban development strategies.





**LEARN FROM THE ENGINEERS, ARCHITECTS AND DESIGNERS
OF SUSTAINABLE CITIES**

SPECIALIZATION FOOD SECURITY

OVERVIEW

This professional specialization provides a comprehensive understanding of food management in sustainable cities, urban productive landscaping, and vertical farming, as well as the skills and knowledge needed to design, implement, and manage urban agriculture projects. It focuses on the intersections between food management, sustainable cities, urban productive landscaping, and vertical farming.

Participants will learn about the principles of sustainable urban agriculture, including the design and implementation of urban farming systems, the management of urban food waste, and the use of technology in vertical farming. Participants will also explore the role of urban agriculture in creating more sustainable and resilient urban environments.



HYBRID
DELIVERY



INDUSTRY
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FOOD SECURITY SPECIALIZATION COURSES

01. Sustainable Urban Food Management
02. Integrated Urban Foodscapes: Designing Productive Landscapes
03. Smart Future Farms – Indoor Vertical Farming
04. Vertical Farming – Hydroponics
05. Vertical Farming – Aquaponics

KEY TAKEAWAYS

-  Understand the importance of sustainable urban agriculture.
-  Develop skills in the evaluation of urban agriculture projects, including the social, economic, and environmental impacts.
-  Design urban farming systems that are efficient and sustainable, including hydroponics and aquaponics.
-  Discover food management strategies such as regulation of food waste, composting, and local food systems.
-  Utilize urban farming technology to optimize production, reduce resource use, and increase efficiency.
-  Explore the role of urban agriculture in communities, including the development of local food systems.

Sustainable Urban Food Management

OVERVIEW

Explore sustainable food management practices within urban environments to enhance food resilience. Gain insights into the interconnections between food systems, urban development, and resilience, and develop practical skills for promoting sustainable and resilient food production, distribution, and consumption in cities.



DURATION
4 Weeks




DELIVERY
Blended + VR



COURSE TOPICS

- MODULE 1
Food Resilience in Urban Development
- MODULE 2
Food Production in the Sustainable Urban Communities
- MODULE 3
Animal based Agriculture in the Residential Community
- MODULE 4
Food Management and Implementation in Sustainable Urban Communities

KEY LEARNING OUTCOMES

-  Understand food demand and dietary intake for a healthy lifestyle and the importance of food resilience in cities.
-  Examine food production in a sustainable residential community with an overview on indoor and vertical farming.
-  Explain animal-based agriculture in sustainable residential communities.
-  Describe food management & delivery process and understand how to monitor and report food production in a sustainable community.
-  Apply the SEE Integrated Systems Thinking to evaluating, exploring and developing effective solutions in a range of complex built-environment contexts.

WHO IS THIS COURSE FOR?



Real estate developers and their employees .



Entry and mid-level managers of programs and systems serving local governments and other industry professionals.



Environmental engineers, Process engineers, Civil engineers, Project engineers, Sustainability Specialists/Engineers/Consultants.



Government agencies responsible for environmental regulations and policy development.



A broader audience individuals who want to learn how to create and manage sustainable food systems in urban environments.

WHY CHOOSE THIS COURSE?



Gain a competitive edge in your industry.



Drive policy change and transition towards sustainable food management.



Understand important factors such as food security, environmental impact, social justice, and economic viability in relation to food management in sustainable urban development.



Explore the latest strategies and technologies for sustainable food management.



Support UAE and global agendas at COP28 beyond.

Integrated Urban Foodscapes: Designing Productive Landscapes

OVERVIEW

Design, implement, and maintain sustainable landscapes in urban areas that provide food while also enhancing the health and well-being of communities. Learn about the intersection of food production, biodiversity, and aesthetics, and develop practical expertise in designing and implementing productive urban landscapes.



DURATION
4 Weeks








DELIVERY
Blended + VR

COURSE TOPICS

- **MODULE 1**
Principle of Urban Landscape Design
- **MODULE 2**
Continuous Productive Urban Landscape (CPUL)
- **MODULE 3**
Bedding Plants-planting and Maintenance
- **MODULE 4**
Native Plants and Water Features as part of Sustainable Landscape
- **MODULE 5**
Green Waste and Composting

KEY LEARNING OUTCOMES

-  Understand the basic principles of the Urban Landscape Design.
-  Define the concept of Continuous Productive Urban Landscape (CPUL).
-  Apply vertical indoor farming as the part of urban environment by setting and maintain bedding plants.
-  Define water features as part of sustainable and productive landscaping.
-  Learn about the environmental benefits and practical applications of composting organic waste.

WHO IS THIS COURSE FOR?



Farmers and gardeners who want to expand their knowledge and skills to grow food in urban environments.



Urban planners and designers who want to integrate food production and green infrastructure into their projects.



Landscape architects and horticulturists who want to specialize in urban agriculture and sustainable landscaping practices.



Local government officials and policymakers who want to support the development of urban agriculture programs and policies.



Entrepreneurs and business owners who want to explore the potential of urban agriculture as a viable and profitable enterprise.

WHY CHOOSE THIS COURSE?



Open the doors to career progression in the intersection of food management, urban development, and sustainability.



Obtain deeper knowledge in the fields of urban planning, policy making, food industry, and sustainable consulting.



Gain an understanding of how to integrate food production and green infrastructure into projects.



Explore the latest strategies and technologies for sustainable food management.



Support UAE and global agendas at COP28 beyond.

Smart Future Farms – Indoor Vertical Farming

OVERVIEW

Discover how Indoor Vertical Farming can be integrated into the urban landscape to deliver a positive environmental, economic, and social impact. Dive deep into the application of Indoor Vertical Farming in built environments and explore the potential of technology to contribute to the UNSDGs and to the future of urban planning and redevelopment.



DURATION
4 Weeks








DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Challenges and Opportunities of the Agricultural Industry
- MODULE 2
Integrating Food Production into the Urban Environment
- MODULE 3
Success Factors for Indoor Vertical Farming Projects
- MODULE 4
Economics of Indoor Vertical Farming
- MODULE 5
Indoor Vertical Farming and the UNSDGs

KEY LEARNING OUTCOMES

-  Discuss the challenges and opportunities of the global agricultural sector and, the key considerations for urban food production.
-  Understand the evolution of soilless and controlled environment agriculture in indoor Vertical Farming to anticipate the future through technology.
-  Develop a framework to identify the critical stakeholders and factors to manage a successful Indoor Vertical Farm.
-  Calculate the unit economics and environmental sustainability impact of an Indoor Vertical Farming project for localized food production.
-  Explore the intersection of the United Nations SDGs and Indoor Vertical Farming.



WHO IS THIS COURSE FOR?

-  Real estate developers and their employees.
-  A broader audience interested in using this knowledge to build better tomorrow for future generations.
-  Academics or researchers in the field of environmental science or agriculture and food management.
-  Environmental engineers, Process engineers, Civil engineers, Project engineers, Sustainability Specialists/Engineers/Consultants.
-  Government agencies responsible for environmental regulations and policy development.

WHY CHOOSE THIS COURSE?

-  Discover scalable models for achieving resilient food systems in organizations.
-  Learn the transition to build sustainable communities and infrastructure.
-  Understand how to confidently articulate the case for sustainable food production, processing, and consumption.
-  Master design & implementation of sustainable food management solutions.
-  Identify investment opportunities and capitalize on emerging trends.

Vertical Farming – Hydroponics

OVERVIEW

Get introduced to hydroponic systems and their application to growing plants. Learning eco-friendly ways of producing horticultural crops, efficiently, with low environmental impact, maximum water efficiency and great business potential. Design, run and manage a hydroponic system for sustainable urban development.



DURATION
4 Weeks



DELIVERY
Blended + VR



COURSE TOPICS

- MODULE 1
Introduction to Sustainable Development and Hydroponics
- MODULE 2
Hydroponic System Design
- MODULE 3
Operation of Indoor Farming Systems
- MODULE 4
Economics of Indoor Farming Systems

KEY LEARNING OUTCOMES

- Define hydroponics, sustainable development and identify their challenges.
- Design hydroponic systems and describe operations of indoor farming systems.
- Identify the right management approach to indoor farming systems.
- Gain commercial understanding of indoor farming systems and identify basic implications for urban planners.

WHO IS THIS COURSE FOR?

- Urban planners and designers seeking to integrate food production and green infrastructure.
- Landscape architects interested in sustainable landscaping practices.
- Government officials and policymakers seeking to advance urban agriculture programs and policies.
- Researchers studying the intersection of food systems, ecology, and social justice in urban environments.
- Entrepreneurs eager to explore the potential of urban agriculture as a viable and profitable enterprise.
- Students who want to learn about the role of urban agriculture in creating sustainable and resilient cities.

WHY CHOOSE THIS COURSE?

- Expand on the latest strategies and technologies for sustainable food management.
- Opportunities for career development in the food management, urban development, and sustainability sectors.
- Obtain the most recent skills and understanding of food security, environmental impact, social justice, and economic viability in relation to food management in sustainable urban development.
- Master design & implementation of sustainable food management solutions.
- Foster creativity and promote innovation in your organization hub.

Vertical Farming – Aquaponics

OVERVIEW

Learn how to design, build and operate an aquaponics system in urban environments. Gain hands-on experience with system construction, water chemistry testing, and plant/ fish care.



DURATION
4 Weeks








DELIVERY
Blended + VR



COURSE TOPICS

- MODULE 1
Basic Principles and Benefits of Aquaponics System
- MODULE 2
Types of the Aquaponics Systems and the Science of Growth
- MODULE 3
Nutrition and Controlling Growth
- MODULE 4
Stakeholder Involvement for Aquaponics Implementation
- MODULE 5
Technical Challenges and Mitigation

KEY LEARNING OUTCOMES

-  Understand the basic principles of aquaponics and define the economic and social benefits of an aquaponic system.
-  Define different types of aquaponics systems design and comprehend the science of animal and plant growth.
-  Apply the concepts of nutrition and controlling growth.
-  Recognize the importance of stakeholder involvement for successful aquaponics implementation.
-  Identify practical problems in an aquaponic system or a farm.

WHO IS THIS COURSE FOR?

-  Urban planners and designers seeking to integrate food production and green infrastructure.
-  Landscape architects interested in sustainable landscaping practices.
-  Government officials and policymakers seeking to advance urban agriculture programs and policies.
-  Researchers studying the intersection of food systems, ecology, and social justice in urban environments.
-  Entrepreneurs eager to explore the potential of urban agriculture as a viable and profitable enterprise.
-  Students who want to learn about the role of urban agriculture in creating sustainable and resilient cities.

WHY CHOOSE THIS COURSE?

-  Gain a competitive edge in your industry.
-  Drive policy change and transition towards sustainable food management.
-  Obtain deeper understanding of the fields of urban planning, policy making, food industry, and sustainable consulting.
-  Explore the latest strategies and technologies for sustainable food management.
-  Identify investment opportunities and capitalize on emerging trends.

SUSTAINABILITY IN THE BUILT ENVIRONMENT

SPECIALIZATION

ENERGY MANAGEMENT

OVERVIEW

This specialization focused on Energy is comprised of a comprehensive array of courses that are essential for individuals seeking to gain expertise in energy-efficient buildings, renewable energy, and smart grid solutions.

The program has been thoughtfully designed to equip participants with the requisite knowledge and skills to oversee the design and management of energy-efficient buildings, implement energy-saving measures, gain a firm understanding of battery storage systems, and optimize the use of renewable energy sources.

Geared towards professionals committed to mitigating climate change through sustainable energy solutions, this specialization equips individuals with an in-depth understanding of techniques and strategies for reducing energy consumption, minimizing carbon emissions, and promoting a more sustainable future.



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ENERGY MANAGEMENT SPECIALIZATION COURSES

01. **Designing and Managing Energy-Efficient Developments**
02. **Renewable Energy Fundamentals**
03. **Energy Demand Management**
04. **Battery Storage Systems**
05. **Smart Grid Systems**

KEY TAKEAWAYS

-  Understand energy-efficient buildings and strategies for reducing energy consumption and carbon emissions.
-  Identify the technical and operational aspects of battery storage systems and their integration into smart grid solutions.
-  Apply knowledge of renewable energy technologies, such as solar photovoltaics, to design sustainable energy solutions.
-  Evaluate the environmental impact of energy systems and identify opportunities for improving sustainability.
-  Analyze the economic and environmental feasibility of renewable energy projects and outline an advantageous approach.
-  Develop effective energy plans that include auditing, monitoring, and control to optimize building performance and reduce energy waste.
-  Evaluate performance of building systems to identify opportunities for energy savings and optimization.

Designing and Managing Energy-Efficient Developments

OVERVIEW

Lead sustainable urban developments ahead of COP28 & the UAE's Year of Sustainability. Learn how to carefully select the best systems for the early stages of development using cutting-edge engineering techniques and calculations, significantly lowering the overall energy consumption.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Energy Efficiency Fundamentals
- MODULE 2
Demand Side Management
- MODULE 3
Renewable Energy Solutions
- MODULE 4
Energy Management Systems (EMS)

KEY LEARNING OUTCOMES

- Identify energy efficiencies and importance of renewable energies in net zero developments.
- Analyze energy metrics in the design and operation phase of the development.
- Size wind and solar energy solutions for various applications.
- Calculate EUI based on building's annual energy use.
- Recommend ways for social education as part of the developments' energy optimization.
- Analyze generation optimization, dynamic load control, and optimized load requirement.
- Apply the SEE Integrated Systems Thinking™ by exploring and developing effective solutions in a range of complex built-environment contexts.



WHO IS THIS COURSE FOR?



Energy engineers, civil engineers, electrical engineers and project engineers.



Energy-saving system designers, operators and project managers.



Industry analysts and investors interested in the renewable and sustainable energy field.



Real estate developers and their employees interested in sustainable communities and infrastructure.



Governments and public sector professionals in the renewable and sustainable energy field.

WHY CHOOSE THIS COURSE?



Support UAE and global agendas at COP28 and beyond.



Drive policy change and transition towards energy efficient developments.



Career progression opportunities in the energy sector looking to understand Net Zero concepts.



Gain the skillset to apply newfound knowledge to accelerate climate action in your organization.

Renewable Energy Fundamentals

OVERVIEW

Unlock the power of renewable energy and become a vital player in the transition towards a sustainable future. Discover the world of solar and wind energy, explore their sizing and storage requirements in the built environment, and gain critical insights on life cycle analysis and its pivotal role in achieving the UN's 2050 targets.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Renewable Energy Fundamentals
- MODULE 2
Solar Energy Efficiency Systems
- MODULE 3
Wind Energy Efficiency Systems
- MODULE 4
Benefits and Risks of Renewable Energy
- MODULE 5
Renewable Energy in Future Cities

KEY LEARNING OUTCOMES

- Identify reasons for changes in the energy system and recognize the importance of renewable energy.
- Understand technical concepts of renewable energy sources and evaluate their suitability.
- Size wind and solar energy solutions for various applications considering energy requirements.
- Assess sustainability risks, model solar-powered systems, evaluate energy storage technologies, and comprehend the significance of renewable energy in future cities and achieving 2050 targets.



WHO IS THIS COURSE FOR?

- Energy engineers, civil engineers, electrical engineers and project engineers.
- Energy-saving system designers, operators and project managers.
- Industry analysts and investors interested in the renewable and sustainable energy field.
- Real estate developers and their employees interested in sustainable communities and infrastructure.
- Governments and public sector professionals in the renewable and sustainable energy field.

WHY CHOOSE THIS COURSE?

- Gain a competitive edge in your industry.
- Explore the latest renewable energy technologies and applications.
- Identify investment opportunities and capitalize on emerging trends.
- Understand the fundamentals of transitioning to building sustainable communities and infrastructure.

Energy Demand Management

OVERVIEW

Discover cutting-edge techniques for creating energy-efficient buildings with this innovative course designed specifically for professionals in the built environment. With the urgent need for carbon-neutrality by 2050 there has never been a more critical time to take action. This course provides a unique opportunity to be at the forefront change.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Introduction to Energy Efficiency
- MODULE 2
Energy Efficiency Systems
- MODULE 3
Calculating Energy Efficiency
- MODULE 4
Energy Models & Targets

KEY LEARNING OUTCOMES

- Understand building energy consumption benchmarks and correlate them to sustainability targets.
- Calculate energy efficiency savings and analyze the effectiveness of energy efficiency measures.
- Identify and select appropriate energy efficiency measures for different applications.
- Demonstrate proficiency in performing energy requirement calculations manually and using software tools.

WHO IS THIS COURSE FOR?

- Energy engineers, civil engineers, electrical engineers and project engineers.
- Energy-saving system designers, operators and project managers.
- Industry analysts and investors interested in the renewable and sustainable energy field.
- Real estate developers and their employees interested in sustainable communities and infrastructure.
- Governments and public sector professionals in the renewable and sustainable energy field.

WHY CHOOSE THIS COURSE?

- Network with global industry professionals.
- Foster creativity and promote innovation in your organization.
- Open the doors to career progression opportunities in the energy sector.
- Discover the latest market and technology intelligence on the latest discoveries in the field.



Battery Storage Systems

OVERVIEW

Dive deep into energy storage systems for stationary applications, their operating concepts, design considerations, utility scale implementations, and other technical and commercial aspects. Explore their current status and limitations and learn how to identify key opportunities for further technological improvements.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Introduction to Battery Storage Systems
- MODULE 2
Battery Applications and Future Potential
- MODULE 3
Designing Energy Storage Applications for Renewable Energy
- MODULE 4
Commercial Aspects of Renewable Energy Storage and Microgrids

KEY LEARNING OUTCOMES

- Define different energy storage technologies and applications.
- Understand battery applications and future potential.
- Design energy storage applications related to renewable energy.
- Gain commercial understanding of different renewable energy storage.

WHO IS THIS COURSE FOR?



Energy engineers, civil engineers, electrical engineers and project engineers.



Energy-saving system designers, operators and project managers.



Industry analysts and investors interested in the renewable and sustainable energy field.



Real estate developers and their employees interested in sustainable communities and infrastructure.



Governments and public sector professionals in the renewable and sustainable energy field.

WHY CHOOSE THIS COURSE?



Promote positive innovation in your organization.



Potential career development opportunities in the Energy sector.



Know all of the latest renewable energy technologies and applications.



Identify opportunities for investment and capitalize on emerging trends.

Smart Grid Systems

OVERVIEW

Gain a deep understanding of the unique layout and components of a smart grid and be ready to contribute to the development of sustainable energy solutions. This course will equip participants with the knowledge of how to optimize energy usage and reduce waste using smart grid technologies.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Introduction to Smart Grids and Their Components
- MODULE 2
Renewable Energy Integration in Smart Grids
- MODULE 3
Testing and Performance Analysis of Smart Grid Systems
- MODULE 4
Benefits and Business Aspects of Smart Grids

KEY LEARNING OUTCOMES

- 🔑 Define and understand smart grid applications, technologies, and their importance.
- 🔑 Implement smart grid technologies for renewable energy production and integration.
- 🔑 Apply testing and performance analysis for smart grid systems, including hybrid configurations.
- 🔑 Recognize the technical and commercial benefits of smart grids in the energy sector.



WHO IS THIS COURSE FOR?

-  Energy engineers, civil engineers, electrical engineers and project engineers.
-  Energy-saving system designers, operators and project managers.
-  Industry analysts and investors interested in the renewable and sustainable energy field.
-  Real estate developers and their employees interested in sustainable communities and infrastructure.
-  Governments and public sector professionals in the renewable and sustainable energy field.

WHY CHOOSE THIS COURSE?

-  Drive policy change and transition renewable energy.
-  Identify investment opportunities and capitalize on emerging trends.
-  Expand your knowledge on the latest renewable energy technologies and applications.
-  Gain a deeper understanding of design and implementation of renewable energy solutions.

SUSTAINABILITY IN THE BUILT ENVIRONMENT

SPECIALIZATION

WATER MANAGEMENT

OVERVIEW

Our Water Specialization program is meticulously crafted and tailored to professionals across diverse industries seeking to augment their expertise in sustainable water management within urban contexts.

The curriculum encompasses pivotal topics, including water demand management, conservation, treatment and reuse, rainwater harvesting, landscape design strategies in urban contexts, and integrated water management strategies.

By enrolling in this specialization, professionals will gain comprehensive knowledge and essential skills required to address the complex challenges involved in sustainable water management. It's a unique opportunity to acquire the latest strategies, technologies, and trends in water management, empowering professionals to make meaningful contributions to their workplaces and beyond.



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WATER MANAGEMENT SPECIALIZATION COURSES

01. **Water Management in Sustainable Urban Developments**
02. **Sustainable Water Demand Management**
03. **Alternative Water Sources in Urban Developments**
04. **Landscape Design and Sustainable Water Management**

KEY TAKEAWAYS

- Expand your professional network and foster collaboration in the field of sustainable water management.
- Analyze and evaluate different water management strategies in urban contexts.
- Identify and address challenges associated with water management in urban areas, such as climate change, population growth, and limited resources.
- Collaborate with other professionals and stakeholders to create sustainable water management solutions in urban areas.
- Develop and implement sustainable water management plans and policies for urban areas.
- Understand sustainable water management in urban developments, including the challenges and opportunities associated with it.

Water Management in Sustainable Urban Developments

OVERVIEW

Analyse sustainable water management within urban development amidst climate changes with an understanding of water efficiency strategies, the impacts of climate change on water resources, and future trends in urban water management. Learn to evaluate various methodologies and technologies aimed at improving water sustainability in urban environments.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Water Efficiency Strategies: Concepts, Principles, and Applications
- MODULE 2
Climate Change Impact and Water Sustainability: From Theory to Practice
- MODULE 3
Trend Analysis and Future Outlook: Water Efficiency in Urban Developments
- MODULE 4
Case Studies in Sustainable Urban Water Management

KEY LEARNING OUTCOMES

- Describe and explain the concepts and principles behind different water efficiency strategies.
- Assess the impacts of climate change and explain the role of these elements in water sustainability in urban developments.
- Critically analyze current trends and predict future outlooks based on an understanding of these trends.
- Evaluate the effectiveness of these strategies for sustainability, drawing upon knowledge of water efficiency strategies and climate change impacts.
- Apply the SEE Integrated Systems Thinking to evaluating, exploring and developing effective solutions in a range of complex built-environment contexts.

WHO IS THIS COURSE FOR?

- Researchers focusing on the intersection of climate change and urban development.
- Urban planners and policy makers seeking to enhance their understanding of sustainable water management.
- Environmental consultants and professionals in the field of sustainable urban development.
- Governmental employees involved in policy making and implementation related to water sustainability and urban development.
- Undergraduate and postgraduate Environmental Sciences students, Urban Planning, Sustainability Studies, or Civil Engineering.

WHY CHOOSE THIS COURSE?

- Explore the latest sustainable water management strategies and technologies.
- Enhanced skills in design and implementation of Sustainable Water Management.
- Confidently advocate for Water Management in Sustainable Urban Developments.
- Master design & implementation of water management solutions.
- Drive policy change and transition towards sustainable water management.



Sustainable Water Demand Management

OVERVIEW

Explore the complex dynamics of natural and anthropogenic water processes, understand the human impact on global water systems, and delve into mitigation strategies used by governments and industries. Anticipate future innovations, evaluate the roles of individuals and businesses in water sustainability, and create effective strategies for organizational water management.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Natural and Anthropogenic Water Processes: An Overview
- MODULE 2
Mitigating Anthropogenic Influences: Regulations, Technology, and Optimizations
- MODULE 3
Future of Water Systems: Innovations and Challenges
- MODULE 4
Roles and Impacts: Individual to Organizational Water Sustainability

KEY LEARNING OUTCOMES

- Identify and articulate the components of natural water processes and explain the extent of human influence on these systems, assessing its environmental consequences.
- Illustrate the structure and function of the anthropogenic water cycle, evaluating how government and industry employ regulations, technologies, and optimizations to mitigate the impact of human influence on the water cycle.
- Anticipate and propose potential future innovations for developing a sustainable water system, taking into account the evolving challenges and needs associated with environmental sustainability and human welfare.
- Evaluate the roles and potential impacts of individuals and businesses on water sustainability and create an effective plan for sustainable water practices within an organizational context.



WHO IS THIS COURSE FOR?

- Sustainability officers within corporations.
- Non-profit employees focusing on water sustainability.
- Researchers in water management and sustainability.
- Policy makers, urban planners, and environmental consultants.
- Environmental Science, Urban Planning, and Civil Engineering students.

WHY CHOOSE THIS COURSE?

- Identify investment opportunities and capitalize on emerging trends.
- Opportunity for career development in Sustainable Water Industries.
- Discover the latest strategies and technologies for Sustainable Water Management and Landscape Design.
- Master design & implementation of sustainable water management solutions.

Alternative Water Sources in Urban Developments

OVERVIEW

Dive deep into the realm of urban water sources, understanding their utilization technologies, with a focus on the potential and challenges of desalination. Explore successful water management strategies through the lens of The Sustainable City, fostering innovative solutions for future challenges.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Water Sources in Urban Developments
- MODULE 2
Harnessing Technologies for Urban Water Sources
- MODULE 3
Unraveling Desalination: Potential and Challenges
- MODULE 4
The Sustainable City: Alternative Water Management Strategies

KEY LEARNING OUTCOMES

- Identify and classify various water sources prevalent in urban developments, comprehending their significance in the urban water cycle.
- Describe and differentiate technologies utilized for harnessing each type of water source, appreciating their functionality and application scope.
- Analyze the advantages, challenges, and future potential of desalination technologies, highlighting their role in addressing water scarcity issues.
- Examine and evaluate the alternative water management strategies employed in The Sustainable City, drawing on these examples to understand the benefits of diverse water management approaches.

WHO IS THIS COURSE FOR?

- Urban development professionals, architects, and urban planners.
- Policy makers and administrators involved in water management.
- Water management consultants and professionals.
- Environmental researchers and scholars interested in urban water systems.
- Undergraduate and graduate students in Environmental Science, Civil Engineering, and Urban Planning.

WHY CHOOSE THIS COURSE?

- Network with other key global members.
- Expand on design and implementation of Sustainable Urban Water Management skills.
- Drive policy change and transition towards alternative water sourcing in urban developments.
- Master design & implementation of alternative water sources in urban developments.
- Support UAE and global agendas at COP28 beyond.



Landscape Design and Sustainable Water Management

OVERVIEW

Uncover the interplay between sustainable water management and landscape design, evaluating irrigation systems, implementing rainwater and greywater reuse strategies, and understanding the ecological impacts of design choices. Craft a coherent design philosophy, steering the course of sustainable landscape urban projects.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Fundamentals of Sustainable Water Management in Landscape Design
- MODULE 2
Rainwater Harvesting and Greywater Reuse in Landscape Design
- MODULE 3
Ecological Impact of Landscape Design and Plant Selection
- MODULE 4
Design Philosophy for Sustainable Landscape Urban Projects

KEY LEARNING OUTCOMES

- 🔑 Comprehend and apply the principles of sustainable water management in the context of landscape design, and evaluate various irrigation systems for different landscape types.
- 🔑 Design and execute comprehensive strategies for rainwater harvesting and greywater reuse, enhancing water sustainability in landscape design.
- 🔑 Critically analyze the impact of landscape design choices on water quality, ecosystem health, and select suitable plant species for different environments based on sustainable water management principles.
- 🔑 Formulate a clear, coherent design philosophy that serves as a guide for a sustainable landscape urban project, demonstrating an understanding of all the aforementioned aspects.

WHO IS THIS COURSE FOR?

- 👤 Professionals involved in the built environment and infrastructure.
- 🎓 Graduate students seeking to specialize in the area of water management and sustainability.
- 🧑‍🔬 Environmental and civil engineering, water resource management, hydrology, agriculture professionals.
- 👷 Landscape architects, urban planners, water resources professionals, and sustainability practitioners.
- 👥 Broader audience interested in learning about the various aspects of water management.

WHY CHOOSE THIS COURSE?

- 🛡️ Drive policy change and transition towards sustainable water management.
- 🛡️ Expanding on knowledge for water management, conservation, treatment distribution, and usage.
- 🛡️ Career progression in the Landscape, Environmental Engineers, or sustainable water resources industries.
- 🛡️ Master design & implementation of sustainable water management systems and landscape design.





SPECIALIZATION PRODUCTS & MATERIALS

OVERVIEW

This comprehensive product specialization will equip participants with the knowledge and skills to make a significant impact in the construction industry and become drivers of positive change through a transformative approach to construction projects through the implementation of sustainable tactics.

Participants will learn how to identify these materials and methods, manage building materials throughout their life cycle, and reduce waste while minimizing environmental impact. Green building certifications and standards will be covered, along with successful case studies and best practices in materials management.

By providing a practical understanding of sustainable product selection and construction, this program empowers participants to lead the way in building a greener and more sustainable future.



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PRODUCTS & MATERIALS SPECIALIZATION COURSES

01. **Products and Materials in Sustainable Urban Developments**
02. **Green Supply Chain & Materials Sustainability Standards**
03. **Materials Management - Reducing Embodied Carbon**
04. **Materials Life Cycle Assessment**

KEY TAKEAWAYS

- Identify and evaluate methods for reducing embodied carbon.
- Understand green building certifications and standards.
- Minimize waste and reduce the environmental impact of construction projects.
- Develop and implement a building materials management plan that considers the entire life cycle of a building.
- Comprehend the principles of sustainable building materials and their role in creating sustainable urban developments.



Products & Materials in Sustainable Urban Developments

OVERVIEW

Acquire knowledge and skills in low carbon design and procurement, focusing on embodied carbon understanding, emission offset strategies, and sustainable construction practices. Analyze industry trends, regulatory impacts, and case studies to navigate future sustainable building practices.



DURATION
4 Weeks



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COURSE TOPICS

- MODULE 1
Introduction to Low Carbon Design and Procurement
- MODULE 2
Carbon Emissions Management in Building Construction
- MODULE 3
Implementing Low Carbon Strategies in Design and Construction
- MODULE 4
Analyzing Trends and Regulations in Low Carbon Design

KEY LEARNING OUTCOMES

- Understand and apply the basic principles of low carbon design and procurement, including the concept of embodied carbon in materials.
- Develop skills to measure, report, and offset carbon emissions in the context of building construction and management.
- Implement strategies to avoid excessive carbon use in design and construction, and implement cradle-to-cradle design considerations.
- Analyze and interpret current and future trends in low carbon design, and how regulations are driving building LCA and embodied carbon calculation.
- Apply the SEE Integrated Systems Thinking to evaluating, exploring and developing effective solutions in a range of complex built-environment contexts.

WHO IS THIS COURSE FOR?

- Architects, Engineers, Urban Planners and Policy Makers.
- Real Estate Developers and Project Managers.
- Corporate Sustainability Officers and Environmental Consultants.
- Graduate Students in Sustainable Development, Architecture, or Environmental Studies.
- Nonprofit Leaders and Advocacy Workers in Environmental Sustainability.

WHY CHOOSE THIS COURSE?

- Position yourself at the forefront of a rapidly evolving industry.
- Explore the latest strategies and technologies for Sustainable Material Management.
- Open the doors to career development opportunities within Sustainable Construction industry.



Green Supply Chain & Materials Sustainability Standards

OVERVIEW

Gain a comprehensive understanding of sustainable supply chain principles, analyze materials sustainability standards, implement sustainable practices, and establish monitoring systems for improved sustainability performance in supply chains.



DURATION
4 Weeks



DELIVERY
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COURSE TOPICS

- MODULE 1
Sustainable Supply Chain Management Principles and Significance
- MODULE 2
Materials Sustainability Standards and Certifications in Supply Chain Practices
- MODULE 3
Implementing Sustainable Practices in Supply Chain Operations
- MODULE 4
Monitoring and Reporting Systems for Sustainability Performance

KEY LEARNING OUTCOMES

- Demonstrate a comprehensive understanding of sustainable supply chain management principles and their significance.
- Analyze and apply materials sustainability standards and certifications in supply chain practices.
- Evaluate and implement sustainable practices throughout the supply chain operations.
- Establish monitoring and reporting systems to assess and improve sustainability performance in supply chains.

WHO IS THIS COURSE FOR?

- Energy specialists.
- Civil engineers, Interior designers and Architects.
- Governmental professionals and Sustainability consultants.
- Manufacturers.
- Product designers.

WHY CHOOSE THIS COURSE?

- Gain a competitive edge in your industry.
- Identify investment opportunities and capitalize on emerging trends.
- Obtain knowledge of the latest advancements in the field with an understanding of policy development and implementation.

Materials Management - Reducing Embodied Carbon

OVERVIEW

Explore the impact of embodied carbon in construction materials and learn strategies for its reduction through informed choices, efficient use, and understanding of material longevity. Probe into the environmental repercussions, examine its influence throughout a material's life cycle, and acquire innovative strategies for its reduction.



DURATION
4 Weeks



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COURSE TOPICS

- MODULE 1
Understanding Embodied Carbon in Construction Materials
- MODULE 2
Formulating Strategies for Embodied Carbon Reduction
- MODULE 3
Applying Tools for Embodied Carbon Measurement and Assessment
- MODULE 4
Future Trends in Material Management for Embodied Carbon Reduction

KEY LEARNING OUTCOMES

- Explain the concept of embodied carbon and its impact on the lifecycle of construction materials in the context of climate change.
- Formulate strategies for embodied carbon reduction through informed material selection, efficient use, waste management, and consideration of material longevity in construction.
- Apply measurement and assessment tools, such as the Life Cycle Assessment (LCA), to track and reduce the embodied carbon of construction materials.
- Analyze case studies of embodied carbon reduction in materials management and predict future trends that could further reduce embodied carbon in construction materials.

WHO IS THIS COURSE FOR?

- Energy specialists.
- Civil engineers, Interior designers and Architects.
- Governmental professionals and Sustainability consultants.
- Manufacturers.
- Product designers.

WHY CHOOSE THIS COURSE?

- Identify investment opportunities and capitalize on emerging trends.
- Expand your knowledge on the latest technologies and applications in the field.
- Position yourself at the forefront of a rapidly evolving industry.



Materials Life Cycle Assessment

OVERVIEW

Embark on a journey through the realm of Materials Life Cycle Assessment (LCA) in this comprehensive course. Grasp vital concepts, become adept at utilizing LCA tools, and learn how to leverage these insights for effective sustainability decision-making. This immersive learning experience takes you from the fundamentals of LCA to an exploration of upcoming trends in this critical area of study.



DURATION
4 Weeks



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COURSE TOPICS

- MODULE 1
Foundations of Life Cycle Assessment (LCA)
- MODULE 2
Analysis and Interpretation in LCA
- MODULE 3
Practical Application of LCA Tools
- MODULE 4
Integrating LCA into Policy and Decision Making

KEY LEARNING OUTCOMES

- Understand Life Cycle Assessment (LCA) by grasping the foundational knowledge of LCA.
- Conduct inventory analysis, impact assessment, and interpret LCA results, to effectively quantify and assess environmental impacts of materials.
- Apply LCA tools and software in quantifying and assessing the environmental impacts of products and services.
- Integrate LCA into policy development, product development, ecolabeling and strategic decision making.

WHO IS THIS COURSE FOR?

- Energy specialists.
- Civil engineers, Interior designers and Architects.
- Governmental professionals and Sustainability consultants.
- Manufacturers.
- Product designers.

WHY CHOOSE THIS COURSE?

- Master design and implementation of Sustainable Material Management.
- Drive policy change and transition towards Decarbonizing Real Estate.
- Career development opportunities in the Sustainable Construction Industry.



SUSTAINABILITY IN THE BUILT ENVIRONMENT

SPECIALIZATION

MOBILITY MANAGEMENT

OVERVIEW

As urban populations continue to grow, transportation-related issues are becoming increasingly complex and urgent. This specialization offers an in-depth analysis of the challenges facing urban mobility, focusing on transportation revolutions such as shared mobility and electrification.

Through this specialization, participants will gain the skills and knowledge necessary to plan, design, and implement sustainable transportation strategies in urban areas. By exploring cutting-edge approaches to urban mobility, participants will be equipped to navigate the unprecedented changes that are transforming transportation in cities of all sizes.

Upon completion, participants will be prepared to address the transportation-related challenges facing their communities and make a positive impact on the sustainability and livability of urban environments.



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MOBILITY MANAGEMENT SPECIALIZATION COURSES

01. **Mobility Management in Sustainable Urban Developments**
02. **Sustainable Urban Mobility Policy, Planning and Development**
03. **Sustainable Mobility Solutions for Businesses**
04. **Electric Vehicle Technology and Infrastructure**

KEY TAKEAWAYS

- 01. Develop a comprehensive understanding of the principles and practices of sustainable transportation and mobility management.
- 02. Analyze and collect data related to transportation and mobility to inform planning and decision-making.
- 03. Harness knowledge of sustainable urban planning and design and learn how to integrate transportation solutions into urban development plans.
- 04. Understand how to engage with stakeholders, including policymakers, community groups, and businesses, to develop sustainable transportation solutions.

Mobility Management in Sustainable Urban Developments

OVERVIEW

Explore the essentials of sustainable urban mobility, from shared to disruptive mobility models. Discover the challenges and opportunities of sustainable urban mobility and evaluate smart mobility solutions for future communities. Gain critical insight into how mobility is an integral part of urban planning and designing sustainable urban developments.



DURATION
4 Weeks



DELIVERY
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COURSE TOPICS

- MODULE 1
Soft Mobility
- MODULE 2
Shared Mobility
- MODULE 3
E-Mobility
- MODULE 4
Disruptive Mobility

KEY LEARNING OUTCOMES

- Understand the concept of sustainable urban development and its relationship with mobility management.
- Define the key terms and concepts related to types of mobility and mobility management.
- Analyze case studies of successful urban mobility strategies and discuss the future outlook of mobility.
- Give examples of how urban planners need to account for mobility strategies in developments.
- Apply the SEE Integrated Systems Thinking to evaluating, exploring and developing effective solutions in a range of complex built-environment contexts.

WHO IS THIS COURSE FOR?

- Professionals in the renewable and sustainable energy field, real estate developers and their employees.
- Governments and public sector professionals with responsibilities related to transportation sector.
- Corporate decision-makers, executives, project managers and start-up entrepreneurs.
- Mobility engineers, Urban Planners, Industrial engineers, Civil engineers, Mechanical engineers, Project engineers, Electrical engineers, and Environmental engineers.
- A broader audience interested in career progression in the transportation sector.

WHY CHOOSE THIS COURSE?

- Career progression opportunities in the mobility sector.
- Support UAE and global agendas as COP28 and beyond.
- Explore the latest technologies and strategies for sustainable mobility management.
- Gain knowledge of the newest advancements in the field with an understanding of policy development and implementation.



Sustainable Urban Mobility Policy, Planning and Development

OVERVIEW

Boost your knowledge in the latest sustainable transportation systems trends and become sustainability and climate action accelerator.

Play a critical role in formulating policies that promote transportation sustainability and explore connections between transportation, energy, economy, and health.



DURATION
4 Weeks



DELIVERY
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COURSE TOPICS

- MODULE 1
State of Transportation
- MODULE 2
Sustainability in Transportation
- MODULE 3
Transportation Policy
- MODULE 4
Transportation Policy, Planning and Development

KEY LEARNING OUTCOMES

- Explain transportation system from a systems perspective – its actors, elements, and the levers.
- Describe the connections between transportation, energy, economy, and health.
- Understand sustainability in transportation, and how it can be achieved based on the geographical context.
- Formulate, test, and evaluate transportation policies for a given transportation need/challenge.
- Critically assess and comment on transportation trends and policy alternatives.

WHO IS THIS COURSE FOR?



Professionals in the renewable and sustainable energy field, real estate developers and their employees.



Governments and public sector professionals with responsibilities related to the transportation sector.



Corporate decision-makers such as executives, research & development personnel, project managers and start-up entrepreneurs.



Energy and civil engineers, energy-saving system designers, operators, project managers, project engineers and electrical engineers, and urban planners.



A broader audience interested in career progression in the transportation sector.

WHY CHOOSE THIS COURSE?



Open the doors to career progression in the transportation sector.



Drive policy change and transition towards sustainable mobility management.



Gain knowledge on how to transition building sustainable communities and infrastructure.



Obtain skills to stay up to date with the newest advancements in the field and trends in the mobility market.



Sustainable Mobility Solutions for Business

OVERVIEW

Acquire knowledge and skills necessary to effectively mitigate mobility-related environmental impacts across business functions and enhance your understanding of value chain and process mapping analysis. Familiarize yourself with strategies aimed at achieving financial benefits while minimizing the carbon footprint of businesses.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Mobility in an Organization
- MODULE 2
Sustainability Impact & Solutions for Improving Employee-Related Mobility in an Organization
- MODULE 3
Best Practices in Sustainable Mobility
- MODULE 4
Role of Technology and Data Analytics in Sustainable Mobility

KEY LEARNING OUTCOMES

- Explore the mobility-related impact on the environment and define the concept of triple bottom line (TBL) sustainability.
- Apply the value chain and process mapping analysis to identify organizations negative impact on the environment across different business functions.
- Develop effective mobility-related strategies and solutions to achieve environmental sustainability, along with economic and social sustainability.
- Identify mobility-related sustainability indicators.
- Understand sustainable mobility-related best practices using real-life examples and case studies around the world.
- Create a plan to implement sustainable mobility solutions in your organization.



WHO IS THIS COURSE FOR?



Corporate decision-makers such as executives, research & development personnel, project managers and start-up entrepreneurs.



Energy-saving system designers, operators, project managers, transportation managers.



Governments and public sector professionals with responsibilities related to transportation sector.



A broader audience interested in career progression in the transportation sector.

WHY CHOOSE THIS COURSE?



Master design and implementation of sustainable mobility management solutions.



Gain the tools to drive the creation of sustainable solutions for your organization.



Position your organization at the forefront of a rapidly evolving industry.



Network with global industry professionals.

Electric Vehicle Technology and Infrastructure

OVERVIEW

The Electric Vehicle Technology and Infrastructure course provides a comprehensive exploration of the rapidly evolving landscape of electric vehicles (EVs) and the infrastructure supporting them. Participants will gain a deep understanding of the fundamental principles of EV technology, charging infrastructure, battery systems, and the environmental impact of electric mobility.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Fundamentals of Electric Vehicle Technology
- MODULE 2
Electric Vehicle Components and Systems
- MODULE 3
Charging Infrastructure and Energy Management
- MODULE 4
Environmental Impact and Policy Considerations

KEY LEARNING OUTCOMES

- Understand the core components, working principles, and types of electric vehicles, from battery electric vehicles (BEVs) to plug-in hybrid electric vehicles (PHEVs).
- Gain insights into different charging methods, standards, and protocols for EVs, and assess the infrastructure needed for various settings, from residential charging to public stations.
- Explore battery chemistries, energy storage systems, and battery management systems, and analyze the factors influencing battery performance, longevity, and sustainability.
- Examine the environmental benefits and challenges of electric mobility, including reduced emissions, life cycle analysis, and potential implications on energy grids.

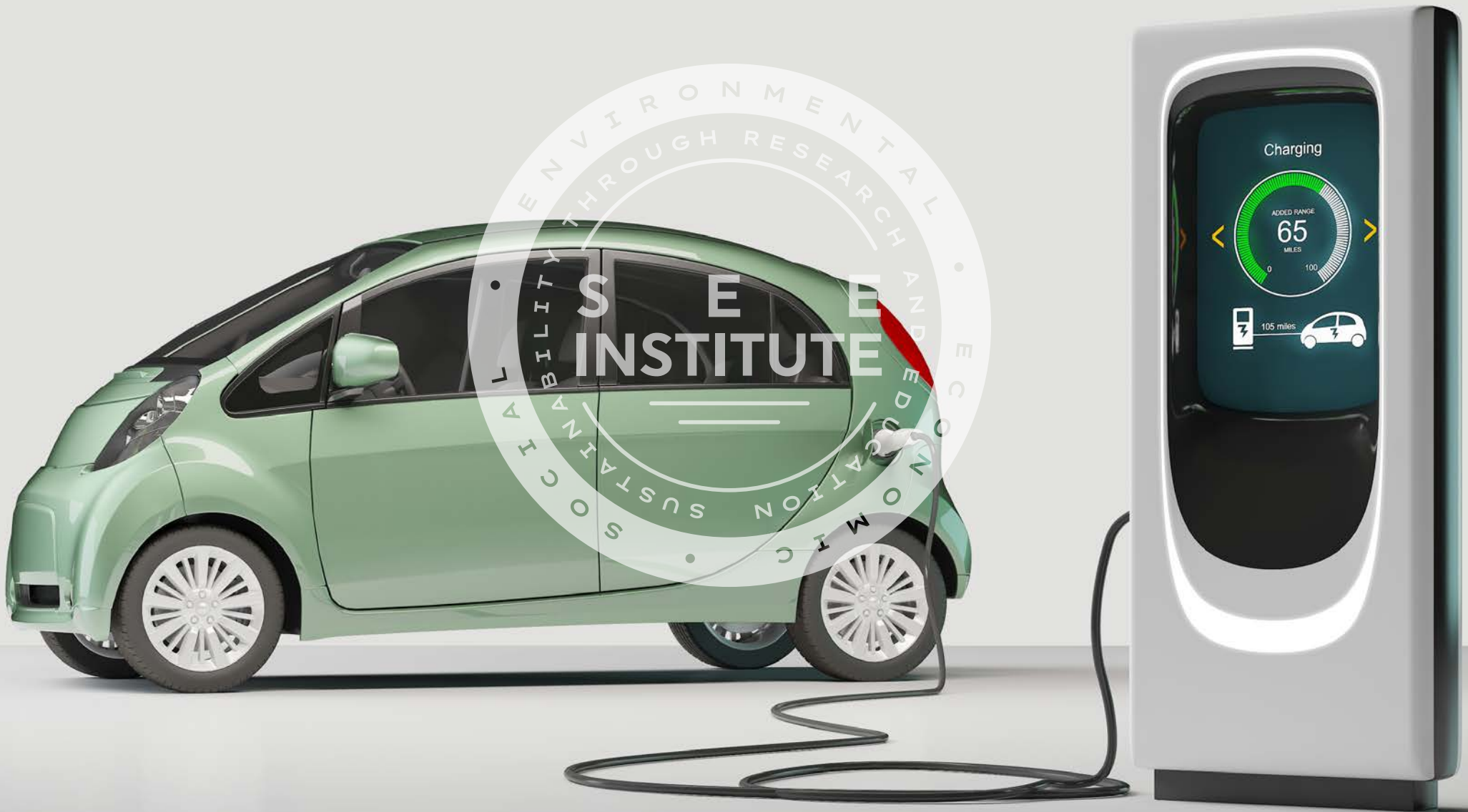


WHO IS THIS COURSE FOR?

- Ideal for engineers, technicians, and auto industry professionals focusing on electric vehicle technology.
- Suitable for urban planners and policymakers integrating electric mobility in urban sustainability.
- Designed for energy and environment enthusiasts keen on EVs' environmental impact.
- Tailored for business leaders exploring EV market, charging infrastructure, and services.

WHY CHOOSE THIS COURSE?

- Stay ahead with insights into electric vehicle industry trends and advancements.
- Learn practical knowledge from industry experts for hands-on understanding.
- Boost your career in the high-demand electric vehicle sector.
- Contribute to sustainability by exploring EV's environmental impact.



SUSTAINABILITY IN THE BUILT ENVIRONMENT

SPECIALIZATION

WASTE MANAGEMENT

OVERVIEW

This innovative program will provide participants with a deep understanding of waste management in urban areas.

Participants will also learn about waste-to-energy technologies and their potential implementation in sustainable urban developments, as well as the regulatory framework for waste management and the role of local governments in enforcing environmental laws.

By the end of our waste specialization program, participants will be well-equipped to implement effective waste management strategies in urban areas, contributing to a more sustainable and livable future for all.



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WASTE MANAGEMENT SPECIALIZATION COURSES

01. **Waste Management in Sustainable Urban Developments**
02. **Circular Economy of Waste**
03. **Waste-To-Energy Systems**
04. **E-Waste Treatment and Recovery Management**

KEY TAKEAWAYS

-  Understand the various types of waste generated in urban areas and their impact on the environment and human health.
-  Develop strategies for reducing waste generation through source reduction, recycling, and composting.
-  Understand the principles of waste-to-energy technologies and their potential implementation in sustainable urban developments.
-  Understand the regulatory framework for waste management and the role of local governments in enforcing environmental laws.
-  Identify best practices for waste management in sustainable urban development projects.
-  Develop skills in project planning and management for waste management projects.

Waste Management in Sustainable Urban Development

OVERVIEW

Explore how sustainable urban developments, like The Sustainable City Dubai, incorporated the principles of waste reduction by implementing innovative approaches to waste management. Examine the tactics used to transform solid waste into clean energy, nutrient-rich compost, valuable recyclable materials, and environmentally friendly job opportunities.



DURATION
4 Weeks








DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Type of Waste
- MODULE 2
Reduce, Reuse & Recycling of waste (3R model)
- MODULE 3
Waste Management Strategies
- MODULE 4
Monitoring & Reporting

KEY LEARNING OUTCOMES

-  Define zero-waste and other types of waste and understand the 3Rs (Reduce, Reuse and Recycle) in waste management.
-  Illustrate the efficiency of 3Rs in an urban development.
-  Implement monitoring and reporting of waste management in urban developments.
-  Recognize used cases of successful waste management strategies.
-  Apply the SEE Integrated Systems Thinking™ to evaluating, exploring and developing effective solutions in a range of complex built-environment contexts.

WHO IS THIS COURSE FOR?



Real estate developers and their employees.



Academics or researchers in the field of environmental science or solid waste management.



Government agencies responsible for environmental regulations and policy development.



Entry and mid-level managers of programs and systems serving local governments and other industry professionals.



Environmental engineers, Process engineers, Civil engineers, Project engineers, Sustainability Specialists/Engineers/Consultants.

WHY CHOOSE THIS COURSE?



Gain a competitive edge in your industry.



Support UAE and global agendas at COP28 and beyond.



Network with global industry members.



Explore the latest waste management strategies and technologies.



Identify investment opportunities and capitalize on emerging trends.



Supporting interest in transitioning to building sustainable communities and infrastructure.



Circular Economy of Waste

OVERVIEW

Gain insights into sustainable waste management options by reducing the waste destined for disposal and encouraging the use of waste as an energy resource. Explore the circular economy of waste in the built environment, uncovering interrelations and effective solutions that align with government initiatives and net-zero targets.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Introduction to Sustainable Waste Management and Circular Economy
- MODULE 2
Best Practices in Sustainable Waste Management and Circularity of Waste
- MODULE 3
Waste of Resource
- MODULE 4
Waste to Engineered Solutions

KEY LEARNING OUTCOMES

- Define various sustainable waste management practices and technologies.
- Explore the importance of circular economy of waste in reaching the Net Zero targets.
- Apply various aspects of circular economy of waste in Waste-to Energy (WTE) management systems.
- Identify the feasibility, environmental benefits and economics support required for the success of a waste management project.

WHO IS THIS COURSE FOR?

- Real estate developers and their employees.
- Academics or researchers in the field of environmental science or solid waste management.
- Government agencies responsible for environmental regulations and policy development.
- Entry and mid-level managers of programs and systems serving local governments and other industry professionals.
- Environmental engineers, Process engineers, Civil engineers, Project engineers, Sustainability Specialists/Engineers/Consultants.

WHY CHOOSE THIS COURSE?

- Gain insight into a rapidly evolving industry.
- Discover the latest circular waste management strategies and technologies.
- Master design and implementation of circular waste management strategies.
- Drive policy change and transition towards sustainable waste management systems.
- Career progression possibilities in the built environment, waste management, infrastructure, and real-estate sectors.
- Gain a deep understanding of sustainable development and supporting real solutions for the challenges faced in reaching Net Zero targets.

Waste-to-Energy Systems

OVERVIEW

Equip yourself with a comprehensive understanding of traditional and modern techniques for generating energy from waste, empowering you to utilize waste as a valuable resource for energy production in various forms such as power, heat, or fuel for transportation. Explore WTE facilities in the UAE providing further insights into WTE technologies to be utilized in the future.



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Introduction to Waste-to-Energy Systems
- MODULE 2
Waste-to-Energy Technologies
- MODULE 3
Waste-to-Energy Project Development
- MODULE 4
Waste-to-Energy Operations and Management

KEY LEARNING OUTCOMES

- Overview on the characterization of wastes and an understanding of Waste to Energy (WTE) technologies.
- Apply the knowledge in WTE plants operations.
- Analyze various aspects of WTE management systems.
- Produce a feasibility study for a small-scale WTE plant.

WHO IS THIS COURSE FOR?



Real estate developers and their employees.



Academics or researchers in the field of environmental science or solid waste management.



Government agencies responsible for environmental regulations and policy development.



Entry and mid-level managers of programs and systems serving local governments and other industry professionals.



Environmental engineers, Process engineers, Civil engineers, Project engineers, Sustainability Specialists/Engineers/Consultants.

WHY CHOOSE THIS COURSE?



Foster creativity and promote innovation.



Position yourself at the forefront of a rapidly evolving industry.



Confidently advocate for waste to energy management policies.



Obtain insight to the latest waste to energy strategies and technologies.



Career progression possibilities in the built environment, waste management, infrastructure, and real-estate sectors.



E-Waste Treatment and Recovery Management

OVERVIEW

Gain insights into the importance of responsible E-waste management and the opportunities it presents for resource conservation and the reduction of electronic waste's negative impact on the environment, and contribute to the circular economy through comprehensive coverage of regulations, innovative recycling technologies, and circular economy strategies in the electronic waste sector



DURATION
4 Weeks



DELIVERY
Blended + VR

COURSE TOPICS

- MODULE 1
Introduction to E-Waste Treatment and Recovery
- MODULE 2
E-Waste Collection and Transportation
- MODULE 3
E-Waste Sorting and Processing
- MODULE 4
Implementing E-Waste Management Programs

KEY LEARNING OUTCOMES

- Define what e-waste is and its classification.
- Understand e-waste management principles, including environmental and health hazards, regulations, and policy frameworks.
- Analyze the relationship between smart product design and efficient recycling and reproduction of EEE (electrical and electronic equipment).
- Develop an e-waste management plan for a specific urban development or industry, including collection, transportation, sorting, processing, and recovery strategies.

WHO IS THIS COURSE FOR?



Real estate developers and their employees.



Academics or researchers in the field of environmental science or solid waste management.



Government agencies responsible for environmental regulations and policy development.



Entry and mid-level managers of programs and systems serving local governments and other industry professionals.



Environmental engineers, Process engineers, Civil engineers, Project engineers, Sustainability Specialists/Engineers/Consultants.

WHY CHOOSE THIS COURSE?



Gain a competitive edge in your industry.



Confidently advocate for sustainable e-waste management.



Master design & implementation of energy efficient design solutions.



Drive policy change and transition towards sustainable waste management systems.



Career progression and possibilities in the built environment, waste management, infrastructure, and real-estate sectors.



ENVIRONMENTAL AND ECONOMIC
SUSTAINABILITY THROUGH RESEARCH AND INNOVATION
SEE INSTITUTE

ENROLL IN OUR PROFESSIONAL EDUCATION COURSES & TAKE YOUR CAREER TO THE NEXT LEVEL



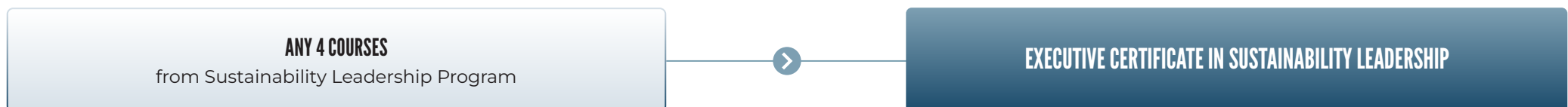
CERTIFICATE OF ACHIEVEMENT

Upon successful completion of a single course in any of our programs, participants will be awarded a Certificate of Achievement. This certificate demonstrates sustainability competencies in the specific subject matter as well as key concepts and practices.



EXECUTIVE CERTIFICATE IN SUSTAINABILITY LEADERSHIP

This certificate attests to an advanced understanding of select areas within Sustainability Leadership. Participants who successfully complete four courses from the Sustainability Leadership program will not only enhance their professional competencies but will also be awarded the Executive Certificate in Sustainability Leadership.



SUSTAINABILITY LEADERSHIP PROGRAM

UNSDGS

Courses in this program will equip you with knowledge to advance the following SDGs:



PROGRAM OVERVIEW

This professional education program on Sustainability Leadership is designed to equip professionals with the knowledge, skills, and competencies necessary to lead organizations towards a sustainable future.

The program is based on a multidisciplinary approach, drawing from various fields such as finance, corporate sustainability, climate change, digitalization, and sustainability across different sectors. Participants will learn about the latest sustainability trends, tools, and frameworks, as well as how to implement and communicate sustainability strategies within their organizations.

The program focuses on developing leadership qualities such as vision, collaboration, and resilience, as well as fostering a system thinking approach to problem-solving. Through a combination of lectures, case studies, group projects, and guest speakers, participants will gain a deep understanding of sustainability issues and how to drive change towards a more sustainable world. Upon completion of the program, participants will be able to apply their newfound knowledge and skills to create a positive impact in their organizations and communities.

KEY BENEFITS



Identify key sustainability challenges, opportunities and risks, and design and implement effective sustainability strategies.



Lead sustainability initiatives, engage stakeholders, and apply a systems thinking approach to problem-solving.



Advance your career in sustainability leadership roles by learning from our international, award-winning faculty and expert instructors.



Advance professionally, enhance competence, increase credibility, receive recognition for achievements, and ultimately achieve career goals.

SPECIALIZATIONS



SUSTAINABLE FINANCE



CORPORATE SUSTAINABILITY



DIGITALIZATION & INNOVATION



SUSTAINABILITY IN DIFFERENT SECTORS

SUSTAINABILITY LEADERSHIP

SPECIALIZATION

CORPORATE SUSTAINABILITY

OVERVIEW

Our Corporate Sustainability specialization offers a comprehensive curriculum on sustainability and climate action. Through courses such as Corporate Sustainability Reporting, ESG Reporting, Circular Economy, COP28 & Climate Change Leadership, you will gain practical insights and hands-on experience to effectively lead your organization towards sustainability. Taught by experts in the field, you will be equipped with the tools and methodologies to measure and report on ESG performance, design circular business models, engage with policymakers, and lead your organization towards climate resilience.



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CORPORATE SUSTAINABILITY SPECIALIZATION COURSES

01. **Circular Economy**
02. **COP28 & Climate Change Leadership**
03. **Corporate Social Responsibility and Sustainable Development**
04. **Fundamentals of ESG Reporting**
05. **Corporate Sustainability Reporting**
06. **Sustainability Literacy for Leaders**

KEY TAKEAWAYS

-  Develop leadership skills to lead your organization towards sustainability and climate resilience.
-  Identify the importance of sustainability reporting for your organization.
-  Align your organization's sustainability strategy with the United Nations Sustainable Development Goals (SDGs).
-  Understand the circular economy concept and being able to design circular business models, develop circular products and services, and manage circular supply chains.
-  Apply the tools and methodologies for measuring your organization's ESG performance and being able to identify and prioritize key ESG issues.

SUSTAINABILITY LEADERSHIP

SPECIALIZATION

SUSTAINABLE FINANCE

OVERVIEW

Sustainable Finance is an emerging field that combines finance with sustainability principles to promote environmental, social, and governance (ESG) considerations in investment decisions. As businesses and investors recognize the need to incorporate sustainable practices into their operations and investments, this professional specialization is designed for professionals who want to learn how to integrate sustainability considerations into financial decision-making. Participants will gain a deep understanding of the principles of sustainable finance and learn how to apply them in practical contexts.

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SUSTAINABLE FINANCE SPECIALIZATION COURSES

01. Introduction to Sustainable Finance
02. Sustainable Finance and Investment

KEY TAKEAWAYS

- Understand principles of sustainable finance, including the ESG factors that are considered in investment decisions.
- Learn about sustainable financial instruments, such as green bonds and sustainability-linked loans, and how these can be used to finance sustainable projects.
- Analyze corporate sustainability reporting frameworks and standards, and how companies can use this information to make informed financial decisions.
- Apply sustainable finance principles in practical contexts, such as analyzing and integrating ESG factors into financial decision-making processes.
- Garner an understanding of impact investing and how it can be used to invest in companies and projects that have a positive social or environmental impact.
- Engage in case studies and exercises that simulate real-world scenarios. This will help them develop the skills they need to integrate sustainable finance into their work.

SUSTAINABILITY LEADERSHIP

SPECIALIZATION

DIGITALIZATION &
INNOVATION

OVERVIEW

Our Digitalization & Innovation specialization allows participants to learn how technological advancements can be leveraged to address sustainability challenges faced by individuals, organizations, and societies. Participants will learn about the potential of digital technologies, such as artificial intelligence, big data, blockchain, and the Internet of Things, to enable sustainable innovation and drive positive environmental and social outcomes. Graduates will be equipped with the knowledge and skills to develop sustainable digital solutions and lead initiatives that promote sustainable development and innovation in various industries and sectors.



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DIGITALIZATION & INNOVATION SPECIALIZATION COURSES

01. **Blockchain for Climate Action**
02. **Smart Cities – Technologies & Their Applications**
03. **Future of the Digital Economy**

KEY TAKEAWAYS

-  Understand sustainability challenges and the role of digitalization and innovation in addressing them.
-  Engage with emerging digital technologies and their potential to drive sustainable innovation.
-  Get familiar with policy and regulatory frameworks related to sustainability and digital transformation.
-  Analyze real-world case studies and projects that apply sustainable digital solutions to real-world problems.
-  Gain insights into sustainable development frameworks and the principles of circular economy.
-  Understand ethical considerations and social impact related to digitalization and sustainability.
-  Develop skills in using data analytics, artificial intelligence, and other digital tools to improve sustainability outcomes.
-  Confidently lead and manage initiatives that promote sustainable development and innovation in various contexts.



SUSTAINABILITY LEADERSHIP

SPECIALIZATION

SUSTAINABILITY IN
DIFFERENT SECTORS

OVERVIEW

Explore sustainability practices in hospitality, tourism, fashion, aviation, and more in this specialization. Learn how sustainability can be integrated into business operations, policy-making, and decision-making. Analyze case studies, engage in discussions, and participate in hands-on activities to understand sustainable practices, technologies, and innovations in each sector. Evaluate environmental, social, and economic impacts, analyze challenges and opportunities, and develop skills for implementing sustainable initiatives in real-world settings.



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SUSTAINABILITY IN DIFFERENT SECTORS
SPECIALIZATION COURSES

01. Sustainability in Tourism Sector
02. Sustainability in Hospitality Operations
03. Sustainability in Aviation Industry

KEY TAKEAWAYS

- Acquire skills for assessing, planning, and implementing sustainable initiatives in real-world settings.
- Evaluate the role of stakeholders, policies, regulations, and certifications in driving sustainability efforts.
- Identify environmental, social, and economic impacts and critically evaluate the environmental, social, and economic impacts of sustainability practices in various sectors.
- Integrate sustainability principles into business operations, policy-making, and decision-making processes.
- Analyze case studies, engage in discussions, and participate in hands-on activities to explore sustainable practices, technologies, and innovations in different sectors.
- Understand sustainability challenges and opportunities: Gain a comprehensive understanding of sustainability challenges and opportunities in sectors like hospitality, tourism, fashion, aviation, and more.

PROGRAM OVERVIEW

SEE Institute, in collaboration with global sustainability experts, offers bespoke training to help organizations become more sustainable

Our portfolio of professional education courses is designed to prepare and empower professionals for diverse employment opportunities in the sustainability sphere. As public and private sector organizations strive towards sustainability, they face increasing knowledge and skills challenges.

Our main goal at SEE Institute is to bridge this gap through our capacity-building programs. By providing tailored training solutions, we equip organizations and individuals with the necessary knowledge and skills to address sustainability challenges effectively.

With our expertise and industry insights, we are committed to supporting organizations in their sustainability journey and helping them thrive in a rapidly changing global landscape

KEY BENEFITS



Tailored solutions that address organizations' unique sustainability challenges, providing relevant and practical training.



Our professional education courses empower professionals with the qualifications and skills needed for diverse sustainability employment opportunities.



SEE Institute's capacity-building programs bridge the knowledge and skills gap by providing comprehensive training on industry insights, best practices, and practical tools for sustainability implementation.



We collaborate with global sustainability experts, providing organizations with access to cutting-edge knowledge and real-world examples for staying ahead in a rapidly changing global landscape.

CERTIFICATE OF ACHIEVEMENT

Upon successful completion of the program, you will be awarded a Certificate of Achievement from SEE Institute Professional Education, the first hub for sustainability in the Middle East, which is accredited by the Knowledge and Human Development Authority (KHDA).



BESPOKE PROGRAMS

UNSDGS

Courses in this program will equip you with knowledge to advance the following SDGs:



WHY CHOOSE SEE ACADEMY BESPOKE PROGRAMS?

Customized Training Solutions

We collaborate closely with clients to design and deliver training programs that align with their sustainability objectives and training needs. Whether it's enhancing employees' sustainability knowledge, implementing effective sustainability practices, or developing leadership skills in the field, we create tailored training solutions that meet our clients' requirements.

The educational outcomes directly support our clients' overarching sustainability plans, enhancing their capacity to implement eco-friendly initiatives, and foster a culture of sustainability within their organizations.

Experienced Academic & Industry Experts

Our team consists of seasoned professionals with decades of corporate and academic experience, particularly in the GCC region and beyond. This extensive knowledge and expertise in sustainability practices, allow us to address the unique challenges and help our clients accomplish this sustainability goals.

By utilizing our know-how and experience, we help our clients close their skills & knowledge gaps and achieve their sustainability goals, including meeting Net Zero targets and the goals of the Sustainable Development Agenda 2030.

Expertise in Sustainable Cities Development

SEE Academy's experts have managed the development of several groundbreaking sustainable developments in the Middle East, including The Sustainable City Dubai, Sharjah Sustainable City, The Sustainable City – Yas Island, and The Sustainable City – Yiti in Oman.

Leveraging this extensive experience and proficiency in holistic sustainability management, we have designed and developed comprehensive educational curricula that provide learners with hands-on experience and equip them with practical skills to tackle sustainability challenges in a real-life context.



WHO ARE THESE PROGRAMS FOR?



Organizations and corporates seeking bespoke solutions in the realm of sustainability, catering to their unique challenges and objectives.



Industry analysts and investors interested in the fields of Food, Energy, Water, Product, Mobility, Waste, and sustainable energy.



Government agencies responsible for environmental regulations and policy development.



Entry and mid-level managers of programs and systems serving local governments and other industry professionals.



Environmental engineers, process engineers, civil engineers, and project engineers, as well as sustainability specialists, engineers, and consultants.



Real estate developers and their employees.

COURSE INSTRUCTORS

SEE Institute courses are created and delivered by the leading industry and education experts, who are at the forefront of sustainable change.

Our faculty comprises experienced engineers who possess practical knowledge and skills for creating sustainable cities and are making headlines with their innovative perspectives.

By joining us, participants have the unique opportunity to learn from and network with our experts, gaining valuable insights and connections that can benefit their personal and professional growth.

Dr. Mohamed Irfan
Program Manager



Dr. Irfan is our experienced Program Manager responsible for continuously evolving our curriculum to anticipate future developments and innovation. He works closely with leading experts to expose students to diverse perspectives and uses unique innovation frameworks and strategies to help students move from concept to action, fostering a culture of continuous learning and growth. Go from 'thinking' to 'doing' with Dr. Irfan's guidance and expertise. He manages programs with world-class faculty to provide students with the highest quality education.

TUITION & ADMISSIONS

We can help you find the right plan. Please reach out to us for detailed information regarding enrollment, tuition & fees. Scan the QR code & register now!



ABOUT SEE INSTITUTE

From our net-zero emissions building – a global benchmark for energy efficiency – the SEE Institute aims to inspire and accelerate climate action and promote low carbon living through education, research, business incubation, and advisory. We work with governments, industry and academia to accelerate climate action and strengthen the COP28 message, that will proudly be hosted in the United Arab Emirates in 2023.



S E E
—— SOCIAL ——
—— ENVIRONMENTAL ——
—— ECONOMIC ——
I N S T I T U T E

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