



Certificate in AI for Higher Education

Upskilling the Global Higher Education Workforce

Universities globally are concerned about how to effectively embrace AI inside their organisations whilst maintaining effective academic performance and integrity. Understanding of the technologies, challenges, and opportunities is key for university leadership, management, faculty and students alike.

The need for upskilling is becoming increasingly crucial as students already embrace AI. In the recent DEC Global Faculty AI Survey, the Council revealed that 86% of faculty members see themselves using AI in teaching in the future and that 78% do not find that their institutions have provided sufficient resources to developing AI literacy.



86% of faculty foresee using AI in teaching

Training is the most effective enabler for university adoption of AI amidst the urgency to seize opportunity and enhance academic integrity. The Certificate in AI for Higher Education is designed to assist the higher education industry rapidly meet this requirement, at scale.

Building on Proprietary DEC Frameworks

The Certificate utilises practical, outcome-focussed frameworks from the Digital Education Council, as included for members in our Executive Briefings.

These frameworks are used by institutions around the world to embed positive approaches to AI in their organisations. In this certificate you will learn about these frameworks and how to commence using them.



80% of students say AI at university not meeting expectations

Target Audience

The DEC Certificate in AI for Higher Education is designed for:



Universities



Business Schools



Technical and Vocational Education and Training (TVET)



Private Providers



Higher Education Leadership



Faculty



Higher Education Administrator



Higher Education Consultants

Course Structure

There are five modules and each participant may choose from one of three specialisations:

AI for Higher Education Leaders	AI for Faculty	AI for Higher Education Administrators
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At the completion of the certificate, participants will receive a digital certificate and a badge that can be displayed on LinkedIn and other social media.

Expert-led Training

This Certificate has been designed by global leaders and features insights from experts including:

- Sean McMinn, Director of Center for Education Innovation at The Hong Kong University of Science and Technology
- Erfan Mojaddam, Deputy Chief Academic Technology Officer and Director of Learning Technologies and Spaces at University of California, Berkeley
- Rodrigo Cetina-Presuel, Associate Dean for Education & Academic Affairs at UPF Barcelona School of Management
- Suzanne Dove, AVP at Bentley University

Customisation and Language Options

Site licence institutions can work with us to embed select custom-branded content for your institution. Subtitling and AI-based translation options are available in a number of languages.

Delivery	Duration	Pricing
Online, asynchronous, globally available	20 nominal hours, each user has access for 90 days	General public: US\$ 499 pp DEC members: US\$ 399 pp

Core Modules

Module	Topics
1. AI Fundamentals	<ul style="list-style-type: none">• Introduction to AI in Higher Education• Infrastructure for AI• The AI Lifecycle, Data Privacy and Security• The Landscape of AI in Higher Education• The Changing Role of Academia with AI
2. Use Cases of AI in Higher Education	<ul style="list-style-type: none">• AI for Course and Assessment Design• AI for Content and Activities Production• AI to Automate Interactions with Students• AI for Grading• AI for Personalised Learning• Boosting Inclusivity and Decision-making with AI
3. Implementing AI in your organisation	<ul style="list-style-type: none">• Student Attitudes and Preferences Towards AI• Academic Integrity in the Age of AI• Understand the DEC Framework to Build a Resilient Educational Value Chain• Discover Best Practices for Developing AI Solutions• AI Literacy
4. AI Governance and responsible practices	<ul style="list-style-type: none">• Understand the DEC Framework for AI Governance• Define Correct Use of AI for Different Use Cases• Apply the DEC Framework to Define Human Involvement in AI Processes• Manage Internal Changes• Designing a Communication Strategy for AI

Specialty Electives

Module	Topics
5a. AI for Higher Education Leaders	<ul style="list-style-type: none"> • Building an Effective AI Strategy • Define the Appropriate Infrastructure and Data Strategy for your Institution • Identify Key Opportunities and Challenges for AI Adoption in your Institution • Innovation Capabilities for AI • Engaging Everyone in the Digital Transformation Journey
5b. AI for Faculty	<ul style="list-style-type: none"> • Learn how AI Can Tailor Learning Experiences • Explore AI Tools to Enhance Student Engagement • Explore AI Tools to Generate Learning Content • Understand how to Leverage AI in Classroom • Identify Challenges in Teaching with AI
5c. AI for Higher Education Administrators	<ul style="list-style-type: none"> • Learn to Utilise AI to Improve Recruitment and Retention • Explore AI tools to Enhance Administrative Efficiency • Understand how AI can Optimise Facilities and Services Management • Leveraging AI for Data-Driven Decision Making • Ensuring Accuracy and Accountability with AI in Compliance and Reporting

Module 1 - AI Fundamentals

This module provides an introduction to the foundational concepts of AI with a focus on the higher education sector. Participants will learn about the core technologies driving AI, including machine learning, natural language processing, and data analytics. The module also covers the infrastructure needed to support AI implementation and examines data privacy, security, and ethical considerations. By the end of this module, participants will understand the fundamental principles behind AI and how they apply to various higher education settings.

Learning Objectives

- Understand the core concepts and technologies behind AI, including machine learning, natural language processing, and data analytics
- Explore the evolving landscape of academic integrity and curriculum relevance with the opportunities and risks of AI
- Examine the role of data privacy, security, and ethical standards in the context of AI implementation
- Identify the key infrastructure and stakeholder involvement necessary to implement AI within an educational institution

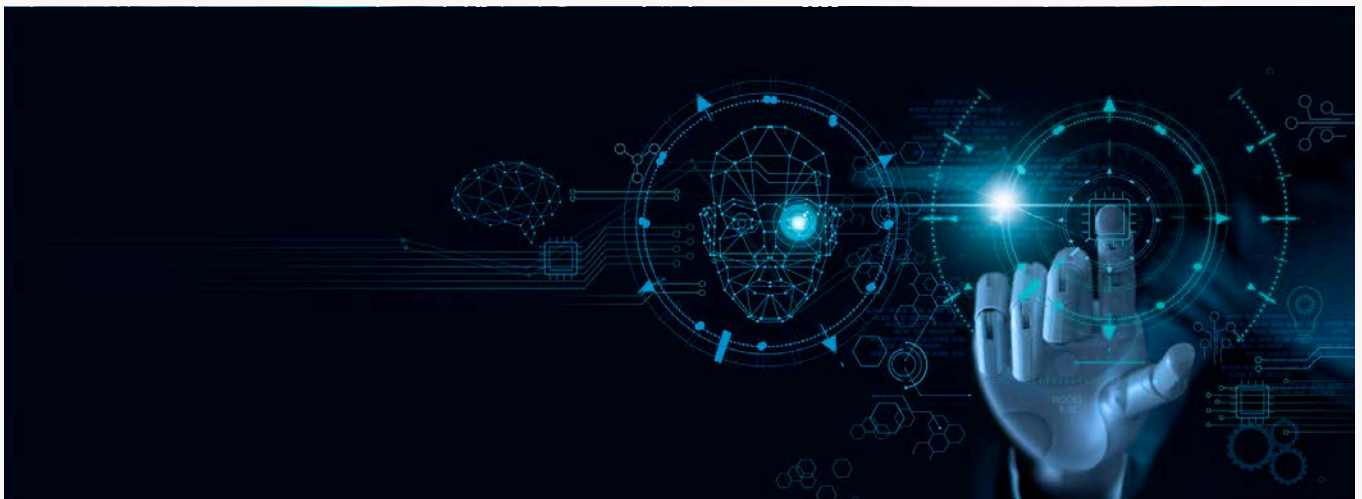


Module 2 - Use Cases of AI in Higher Education

This module explores the practical applications of AI within the context of higher education, focusing on how AI can transform various aspects of teaching, learning, administration, and student support. Participants will gain a comprehensive understanding of how AI can be leveraged to automate routine tasks, discover new insights, personalise learning experiences, predict future trends, and foster inclusivity. Through real-world examples and practical strategies, this module equips educators and administrators with the tools and knowledge needed to effectively integrate AI into their institutions.

Learning Objectives

- Critically assess and apply AI tools to automate tasks, improve decision-making, and support personalised learning experiences within an educational institution
- Develop strategies to leverage AI for institutional growth, including optimising resources, supporting research, and improving student outcomes
- Evaluate the ethical and inclusivity considerations in implementing AI
- Apply knowledge of AI use cases to design innovative solutions that address current challenges in higher education



Module 3 - Implementing AI in your organisation

This module provides a framework for integrating AI within higher education institutions. It focuses on aligning AI initiatives with institutional goals, building necessary infrastructure, and addressing technical challenges. Participants will assess student attitudes toward AI, examine ethical implications in assessments, and explore strategies to uphold academic integrity. Using the DEC Framework, they will create resilient AI-driven processes that enhance educational outcomes and efficiency while addressing sustainability and human involvement. Through case studies and actionable insights, this module equips institutions to implement scalable AI solutions aligned with their values.

Learning Objectives

- Analyse student attitudes and preferences towards AI, identifying factors that influence their acceptance and use of AI technologies
- Assess the implications of AI in assessments and for academic integrity, developing strategies to uphold ethical standards whilst leveraging AI tools
- Apply the DEC Framework to create a resilient educational value chain that integrates AI solutions effectively across various institutional processes
- Explore best practices for developing AI solutions that align with institutional goals, including considerations for human roles and ESG initiatives



Module 4 - AI Governance and responsible practices

This module delves into the governance frameworks and ethical considerations essential for the responsible implementation of AI in higher education.

Participants will gain an understanding of the DEC Framework for AI Governance, which provides guidelines for the correct use of AI across various applications. The module will explore how to define human involvement in AI processes, manage internal changes effectively, and design robust communication strategies for AI initiatives. Ethical considerations will be also examined, ensuring that AI use promotes fairness and accountability.

Learning Objectives

- Understand how to apply the DEC Framework for AI Governance in your institution to establish standards for responsible AI use
- Define the appropriate use of AI across different use cases, ensuring alignment with institutional goals and ethical practices
- Identify and define the roles of humans in AI processes, fostering an appropriate collaboration between technology and people
- Develop strategies for managing internal changes related to AI adoption and designing effective communication plans that engage stakeholders and promote transparency



Module 5 Overview

In this module, participants will choose from three specialisations tailored to their role: leaders, faculty, or administrators. Each specialisation addresses the unique challenges and opportunities that AI presents in their respective areas.

- **AI for Higher Education Leaders** will focus on developing an effective AI strategy, identifying infrastructure needs, and engaging stakeholders in the digital transformation journey
- **AI for Faculty** will explore how AI can enhance teaching and learning experiences, improve student engagement, and address challenges in implementing AI in the classroom
- **AI for Higher Education Administrators** will examine the use of AI in streamlining administrative processes, improving recruitment and retention, and leveraging data-driven decision-making

Learning Objectives

- Develop a comprehensive understanding of how AI can be effectively integrated into their specific roles within higher education, whether as leaders, faculty, or administrators
- Deep dive into key opportunities and challenges associated with AI adoption in their respective areas of responsibility
- Explore best practices for leveraging AI tools to enhance teaching, learning, and administrative processes while addressing ethical considerations



