Iasa - Architect Core

IN-PERSON • 5 DAYS • CITA–F CERTIFICATION

www.ictskillnet.ie

IASA
The Business Technology Architect Association

Unleash your unstoppable potential,
with Technology Ireland ICT Skillnet

Technology is ever-changing. No matter what stage you are at in business or your career, there is always more to learn.

At Technology Ireland ICT Skillnet, our vision is to create **progressive futures**, helping organisations to **transform at scale** and individuals to **develop a competitive edge**, through the **power of learning**.

For almost two decades, Ireland's leading technology companies have trusted us to build the critical skills needed to thrive in a rapidly evolving market.

Let us connect you to the infinite possibilities shaping the world of tomorrow.

Supercharged skills

Each of our programmes are designed, developed, and validated by specialists from academia and industry, working together, with a constant focus on:

1
Creating opportunity and momentum for experienced professionals and those starting out or transitioning career.

2
Delivering learning solutions in a way that **balances work and study**.

3
Providing practical skills, along with the theoretical, allowing businesses to **navigate new frontiers in the world of tech**.

5,000+
companies supported

12,000+
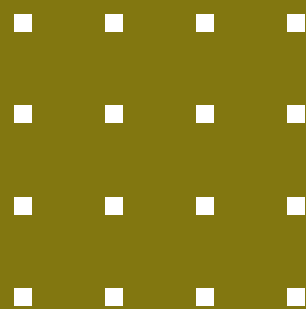learners upskilled

30+
professional programmes

Online, blended, and
in-company training supports

Government-subsidised
programme fees, up to 100%

Iasa - Architect Core

Your pathway to become a successful technology strategist for your business.

A business solution that is fit for purpose (flexible, scalable, compliant, secure, reliable etc) depends on the underlying architecture being aligned to the business. In the same way, a good architect is based on a core set of foundational skills and knowledge from key competency focus areas.

The Iasa Architect Core course welcomes architects to a collaborative journey of professional growth and understanding. Designed by architects for architects, and with a focus on bridging business visions with technological solutions, this course delves into fundamental principles, frameworks and best-practices. Beyond technical proficiency, the course emphasises strategic thinking, innovation and effective communication, for both aspiring and experienced IT professionals.

All great business technology architects have a strong foundation in the three critical areas of:

1. Dealing with business concepts - understanding how business works and how it impacts architecture.

2. Technology strategy, design and delivery - analysing technology options and linking everything back to business objectives.

3. Dealing with stakeholders - having the right mindset and models to engage with internal and external stakeholders, at the right time, in the right way.

Delivered in partnership with the Irish chapter of Iasa Global, this 5-day in-person course will prepare you for these three aspects of architecture practice, and give you the required knowledge of models and tools for developing business technology architectures that meet the demands of modern business.

The course is ideal for IT professionals interested in transitioning to BT architecture roles, experienced BT architects seeking formal recognition, technical team leaders wanting to deepen their strategic and business-focused architectural knowledge, and business analysts aiming to bridge the gap between business and technology.

At a glance

Start Date
Visit the course webpage
to view the next start date

Award
CITA-F Industry Certification

Delivery
In-person

Duration
5 days, 9am-5pm

Fees
Skillnet subsidised: €2,000
Non-subsidised: €2,500

Programme Partner
Iasa Ireland
(Irish Chapter of Iasa Global)

Course structure

The premise of this course is very much 'learn by doing', and is structured over the 5-days into lessons that walk through the demand and supply chains of an architect's engagement with clients, customers and other key stakeholders typical in any business.

In each lesson there are learning slides to help prepare for the workshop exercises that follow. Case studies are then used to support the learning outcomes.

There is extensive use of a subset of visual-based templates, preloaded in a visual tool, to capture important architecture information. This is referred to as the structured canvas approach in the Iasa BTABOK (Business Technology Architecture Body of Knowledge). Students will collaborate in teams using the visual tool, present back to the wider class to be challenged and for open discussion, for the benefit of everyone on the course.

By the end of the course you will be able to think about your technology solutions and communicate them with an entirely new level of stakeholder. **Get ready for an intensive week of knowledge sharing, debate and teamwork!**

Competency Focus Areas

This course specifically looks to improve understanding and skills in the following BTABoK Competency Areas.

Business Technology Strategy

- Business Fundamentals
- Strategy Development and Rationalisation
- Industry Analysis
- Business Valuation
- Investment Prioritisation and Planning
- Requirements Discovery and Constraints Analysis
- Compliance
- Architecture Methodologies & Frameworks
- Risk Management

Human Dynamics

- Managing the Culture
- Customer Relations
- Leadership and Management
- Peer Interaction
- Collaboration and Negotiation
- Presentation Skills
- Writing Skills

Design

- Requirements Modeling
- Architecture Description
- Decomposition and Reuse
- Design Methodologies and Processes
- Design Patterns and Styles
- Design Analysis and Testing
- Traceability Throughout the Lifecycle
- Views & Viewpoints
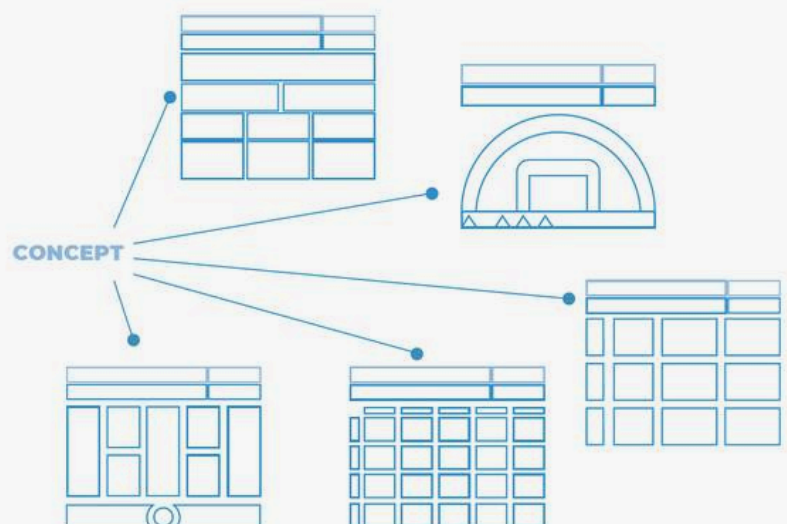- The Whole Systems Design

Quality Attributes

- Balancing and Optimising Non Functional Requirements e.g. Performance, Security, Localisation, all the "ilities"
- Monitoring and Management
- Packaging, Delivery, Post Deployment

IT Environment

- Technical Project Management
- Asset Management
- Change Management
- Infrastructure
- Application Development
- Governance
- Testing Methods, Tools, and Techniques
- Knowledge Management
- Decision Support
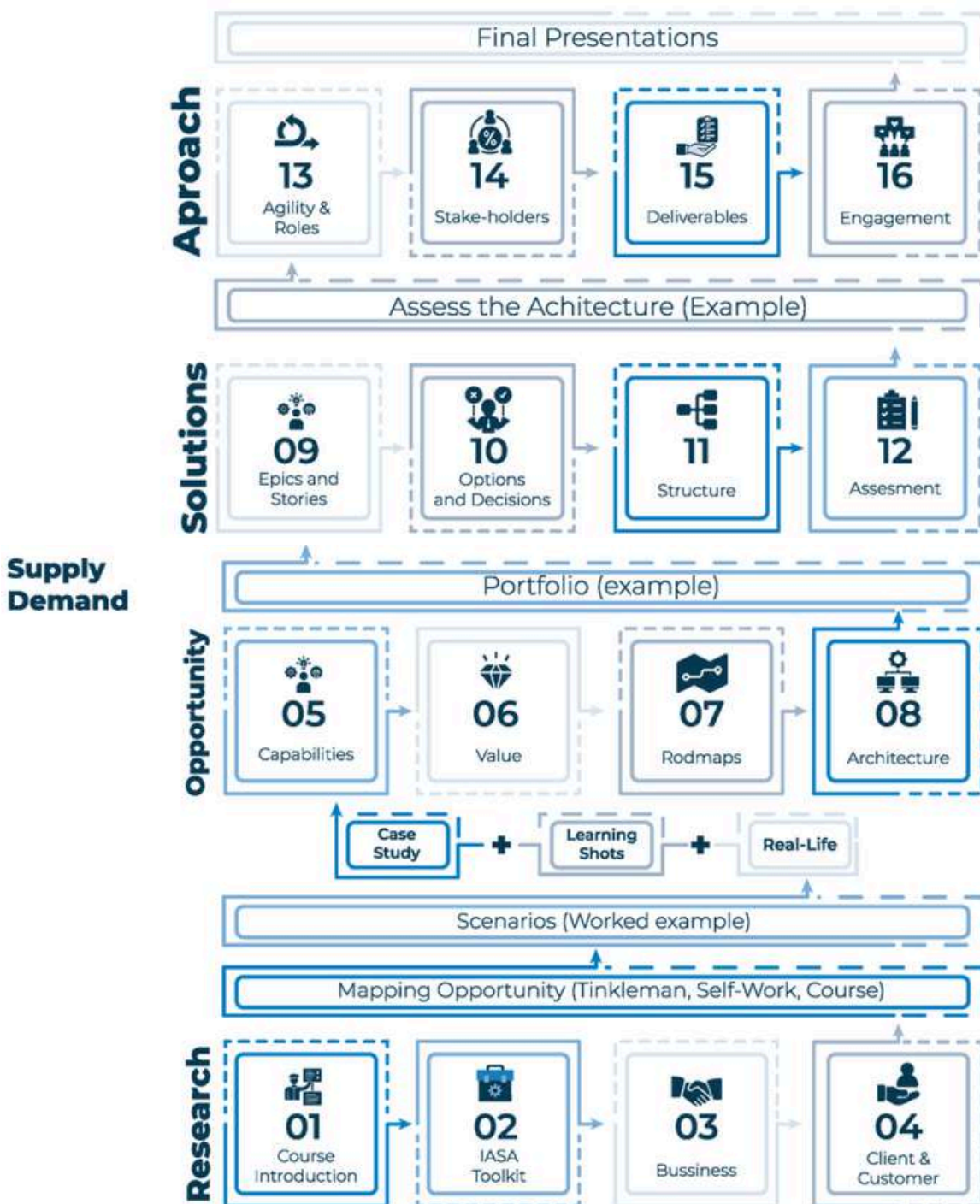- Platforms and Frameworks
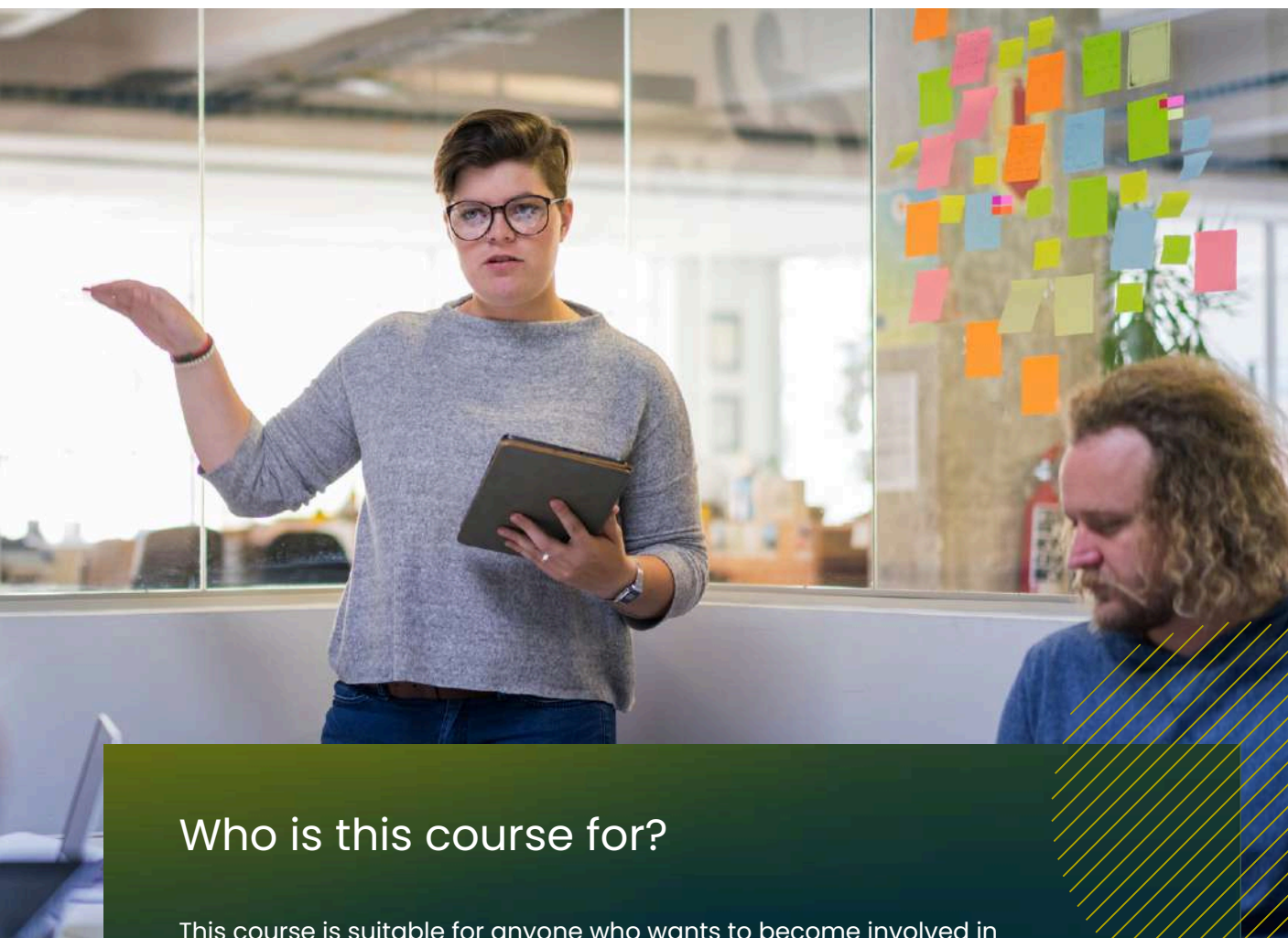
Structured Canvas Approach

In each section of the course, we will introduce you to a range of Canvas and Cards. These bring to life the theory as well as provide a workspace for you to experiment, document and share the information you collect and the analysis you perform.

Course Content

The course structures the demand and supply chain over a series of 16 lessons, 20 plus exercises and a final presentation.

Aproach

| 13 Agility & Roles | 14 Stake-holders | 15 Deliverables | 16 Engagement |

Final Presentations

Assess the Achitecture (Example)

Solutions

| 09 Epics and Stories | 10 Options and Decisions | 11 Structure | 12 Assesment |

Supply Demand

Portfolio (example)

Opportunity

| 05 Capabilities | 06 Value | 07 Rodmaps | 08 Architecture |

Case Study + Learning Shots + Real-Life

Scenarios (Worked example)

Mapping Opportunity (Tinkleman, Self-Work, Course)

Research

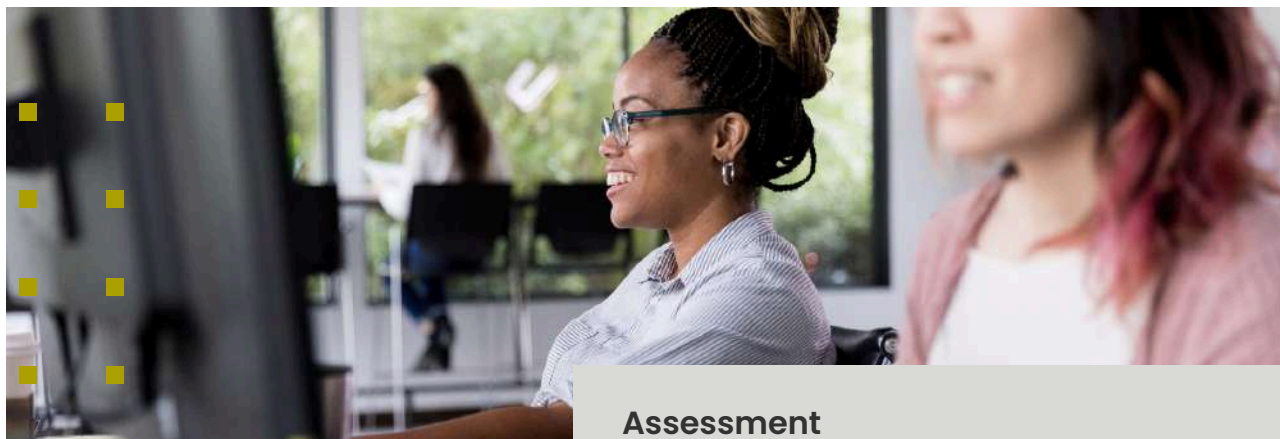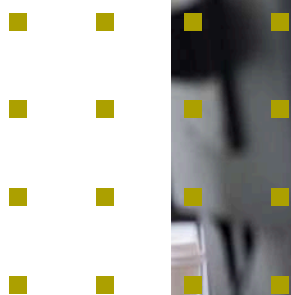| 01 Course Introduction | 02 IASA Toolkit | 03 Bussiness | 04 Client & Customer |

Who is this course for?

This course is suitable for anyone who wants to become involved in technical architectural work, but you should at a minimum have basic knowledge and experience of system development.

Ideal candidates for the course are:

▶ Technology architects, that are either new into the role or are seasoned architects, looking to update their skills, transition into BT architecture roles or are preparing for CITA-P/D certification.

▶ Experienced IT staff from other roles that are considering the move into technology architecture.

▶ Senior technical team leaders that are considering establishing or improving their architecture practice or want to deepen their strategic and business-focused architectural knowledge.

▶ Business analysts aiming to bridge the gap between business and technology.

If you are ready to become a skilled business technology architect who designs impactful, business-driven technology solutions, the Iasa Architect Core course provides the essential knowledge and tools to achieve your goals.

Outcomes for you

At the end of this course you will gain a deep understanding of analysing complex business requirements, translating them into technological solutions, and ensuring alignment with overarching business strategy.

You will be able to think about your technology solutions and communicate them with an entirely new level of stakeholder. You will be able to describe the way your company is positioned within the enterprise and devise methods for making that position stronger.

These will form a reference point of what it means to be a successful business technology architect and how to behave. You can take these learnings and tools into your organisation, along with a wealth of further material provided in the Iasa Business Technology Architecture Body of Knowledge (BTABOK).

Assessment

On the final day of the course, candidates present back their learning journey reflecting on what they have learnt, what they can apply to their role and that of their organisation's architecture practice, and thoughts on their own career path.
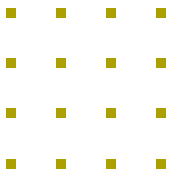
Following completion of the course candidates must undertake an open book exam featuring multiple-choice questions within a specified time frame to earn the CITA-F certification level. Guidance on exam preparation and recommended study materials are provided to participants during the course.

Ultimately this course, and the CITA-F certification, will set you up for success in the business technology architect profession, knowing what's core to making you a better architect that adds value to your organisation.

Award

Upon completing the course, participants will receive CITA-F industry certification from Iasa Ireland, validating their expertise in the field. This certification is recognised by industry professionals and signifies proficiency in relevant skills and knowledge essential for successin the field of architecture. The CITA-F credential is awarded by achieving 70% or higher on the CITA-F examination.

Upon completion of this course, you will have an improved understanding of:

What are architecture lifecycles, deliverables, and engagements

How to improve an architecture practice engagement model

Tools and techniques for value measurement, tradeoff analysis, design and quality attributes

Methods to work across business, technical and management stakeholders

Ways of understanding and using customer centric design approaches

Better ways to combine agile delivery with architecture excellence

Critical skills in navigating change management from ideation to execution

How to plan and manage the competencies you need throughout an architecture career

Funding eligibility

The fees for this programme are part-funded by Technology Ireland ICT Skillnet. The reduced programme fees are €2,000.

Applicants must be working in a private or commercial semi-state organisation registered in the Republic of Ireland (Business, Consultant, Freelancer) to avail of the grant-aided fees. As a government-funded training network, we can only support those meeting these criteria.

Applicants who do not meet our funding criteria may in some cases be able to apply directly with Iasa Ireland and pay the full fee if there are available places.

Please speak with our programme team to learn more about the availability of funding.

info@**ictskillnet**.ie

What our course participants have to say

The Iasa Architect Core course gives professionals a holistic journey through an overall approach and key considerations to ensure **architecture deliverables and outcomes are setup for success.**

Ger O'Flynn,
Head of Commercial IT,
Musgrave

The course was a great opportunity to understand the depth and breadth of architecture, the supportive tools, the journey to achieve great outcomes, and how to describe the value propositions to all stakeholder levels. **An incredibly empowering experience.**

Matthew Downing,
Principal Platform
Architect, Kainos

The Iasa Architecture Core training course was a great in person experience with a good balance of instructor led content, classroom discussion and practical learning. **I would highly recommend to any aspiring to practicing architects.**

Niall Clancy, Corporate
Technology Domain Architect,
Canada Life Europe

Programme delivered in partnership with:

IASA
The Business Technology Architect Association

Iasa Ireland is a member of Iasa, a global association with over 60,000 members worldwide and is the Irish association representing IT architects at all levels. Iasa promotes the IT architecture profession through the advancement of best practices and education, and the delivery of programmes and services to IT architects of all levels.

Iasa Ireland is a not for profit association led by a team of volunteers who are practising technology architects in companies such as Irish Life, Bearingpoint, Eirgrid and Bank of America Merrill Lynch. The mission of Iasa Ireland is to make IT architecture a recognised and valued profession through the advancement of best practices and education and by delivering programmes and services to IT architects of all levels.

Ready to develop your career in Technology Architecture?

Our team is ready to answer any questions you might have regarding this programme. Send an email to info@ictskillnet.ie or use the enquiry form on our programme page and one of our programme leads will be delighted to assist you.

Start your learning journey today with Technology Ireland ICT Skillnet by clicking on the Learn More button.

Learn More

Embrace the future with confidence, with Technology Ireland ICT Skillnet as your training partner.

Technology Ireland ICT

Skillnet

Programme pillars

Our wide range of programme channels allows you to access training in the latest technologies driving business development.

Artificial Intelligence	Blockchain
Cloud	Cybersecurity
Data Analytics	Fintech
Global Business Services	Innovation & Transformation
Leadership	Quantum
Software Architecture	Software Development

Industry approved

With the support of our Industry Steering Group, made up of some of Ireland's most progressive companies, you can be assured that our programmes will provide you with the most relevant and cutting-edge skills that industry demands.

Fidelity INVESTMENTS   **Hertz**   **Liberty Information Technology**   **ERICSSON**

IBM   **CISCO**   **hp**   **Technology Ireland Ibec**

Certification you can trust

Through our strategic partnerships with some of Ireland's most influential higher education institutions, we offer a range of certificate, diploma, and masters programmes, with awards accredited on the National Framework of Qualifications.

TU Dublin   **Atlantic Technological University**   **MTU**   **DCU Ollscoil Chathair Bhaile Átha Cliath Dublin City University**   **Maynooth University National University of Ireland Maynooth**

UNIVERSITY OF LIMERICK OLLSCOIL LUIMNIGH   **National College of Ireland**   **Ollscoil na Gaillimhe University of Galway**   **TUS**   **UCD DUBLIN**

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Technology Ireland ICT

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UNLEASH YOUR
UNSTOPPABLE POTENTIAL

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IRELAND

Rialtas na hÉireann
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Co-funded by
the European Union