UTS Professional Education

Vision & Strategy

Professional upskilling for the 21st century engineering & IT

Become the trusted go-to lifelong learning partner for professionals in today's workforce – delivering timely, relevant and effective short-course options for professional and personal upskilling.

Become the educational partner of choice for industry and government agencies, helping organisations achieve their business goals and training or digital transformation needs.

Collaborate with industry bodies and organisations to deliver quality training platforms, programs and certification for professionals.

Vision

Differentiated product streams:

Executive Masterclass
Seminar & discussion on key tech trends – get a briefing on the background, current and future capabilities, risks, misconceptions and opportunities – and plan how to leverage for your organization

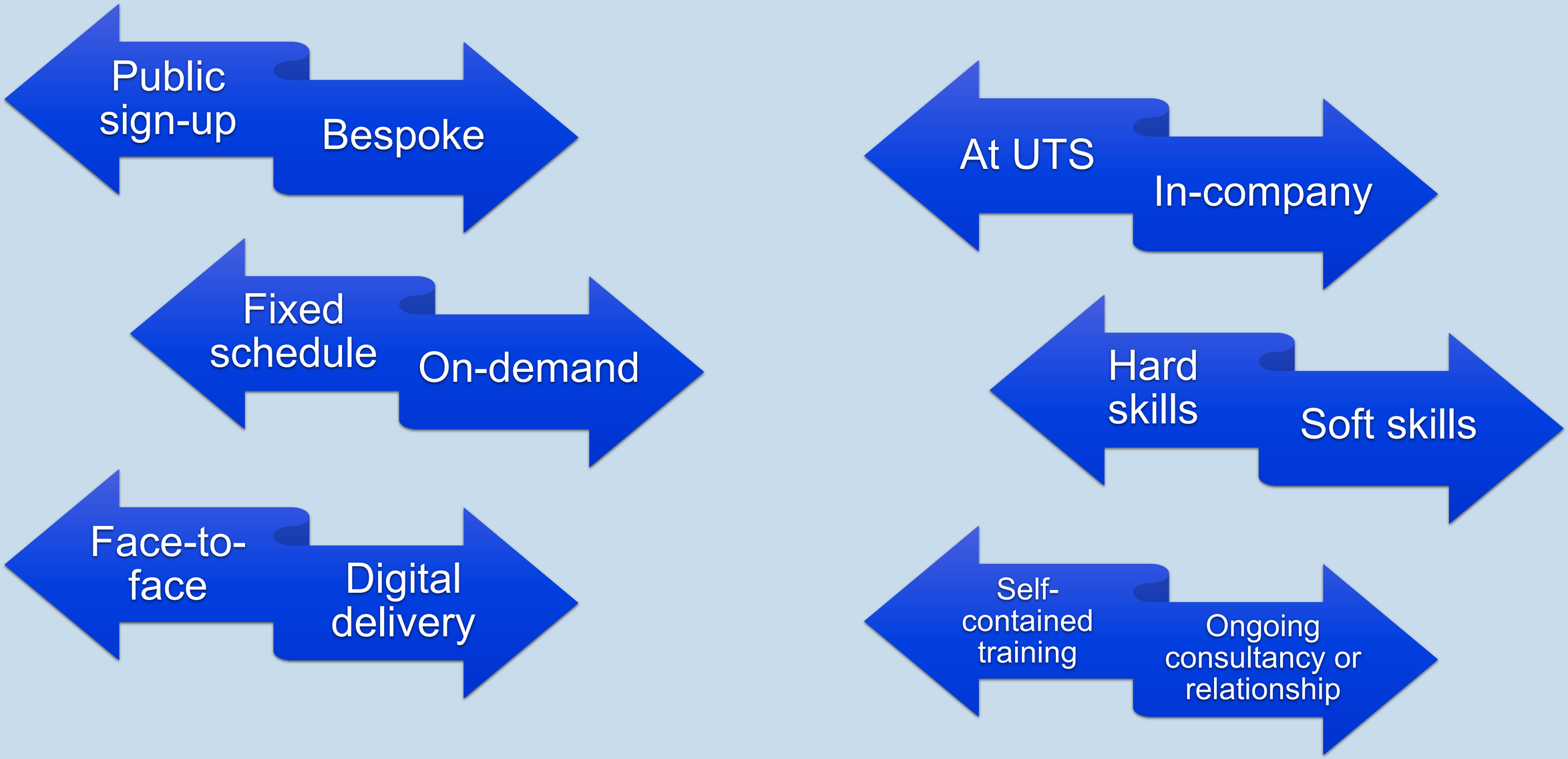
Professional Skills Masterclass
Professional upskilling workshop on new concepts and models in EIT fields. Practice-focused tutorials and clinics to develop skills and competencies to apply in your professional role and projects

Bespoke Corporate Training
Focused training for specific client delivered in-house or at UTS. Scope ranges from existing course offerings tweaked to focus on client context, through to new development based on contract proposal

Industry Body Collaboration
Digital or blended programs providing co-branded CPD/certification materials from UTS and industry bodies. Priority availability for membership and UTS students, also sold to non-member organizations or individuals

Modular/Immersive Digital Pathways
Digital modular study– self-paced and augmented with online tuition/classes, F2F events, collaborative projects. Personal learning catalog – choose the modules you want/need, or follow a curated ‘playlist’

A flexible, case-by-case approach for each product stream:



Credentialing & Certification

➢ Long-term

Micro-credentialed short courses contribute (where appropriate) towards flexible formal academic qualifications

➢ Medium-term

Micro-credentialing of professional courses, independently of more formal courses of study

➢ Short-term

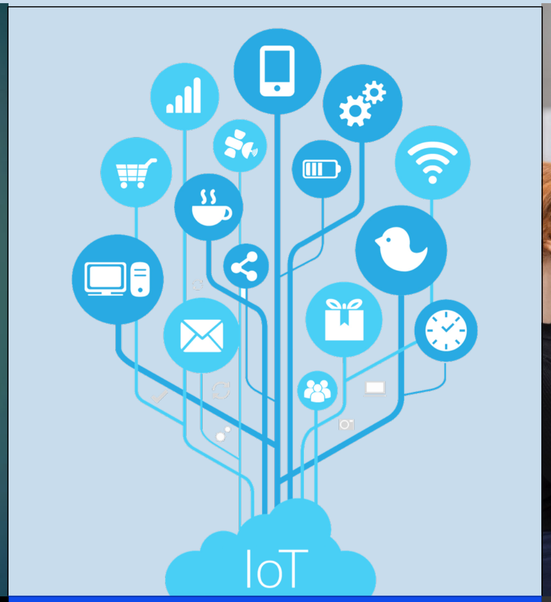
Certificates of completion issued for all short courses

Exploring solutions to deliver micro-credentials which are tangible, transferable, and meaningful for both professionals and employers

UTS FEIT Short Courses

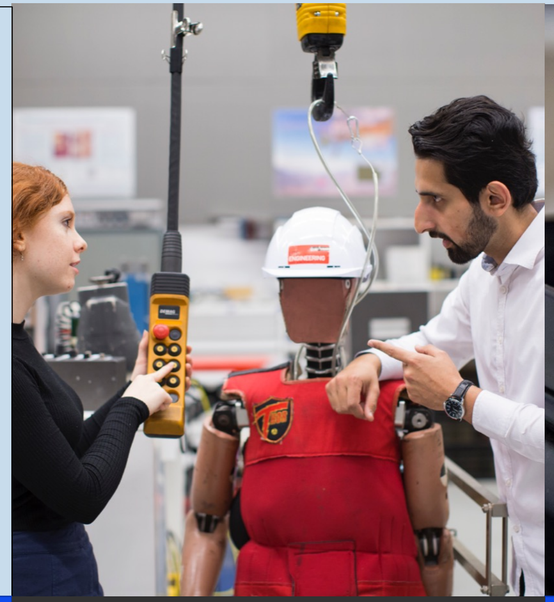
Artificial Intelligence

Learn about the fundamentals of machine learning, some key algorithms and models, the technology is used today – and how it's set to progress in the coming years.



Internet of Things

Understand the fundamental technologies of IoT, impact and opportunities, and learn to use decision-making frameworks and tools to develop strategies to underpin your technology roadmap.



Robotics

Learn about industrial robotics and the underlying algorithms and mathematics, unstructured environments and manipulation tasks which can be performed, and impact of future of human workforce interactions.

Additive Manufacturing

Learn about 3D printing and how it could change manufacturing processes – leading to new design and innovative product development and business models – explore this exciting new fabrication method of the future.

Systems Thinking

Learn about complex systems and how to approach them. Develop a set of tools and approaches to deal with complex systems and problems to apply to challenging real-world situations.

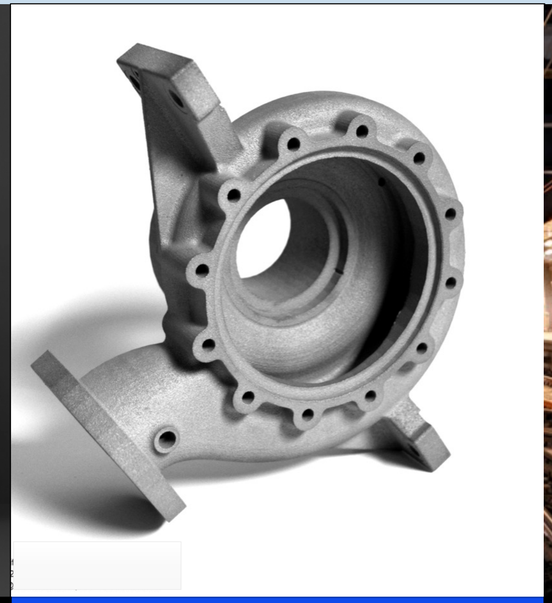
UTS FEIT Short Courses

Telecommunications & 5G

Develop an understanding of how underlying telecoms network services operate, and how they will be impacted by the rapid changes facing our industries

Industrial Energy Efficiency

Learn how to apply tools to understand and manage the energy resource in industrial operations, and discuss major barriers to and driving forces for the adoption of more energy efficiency measures. Look into the key benefits and implications within industrial operations stemming from the adoption of solutions at improved energy efficiency and energy management in industry.



3D Geometry Processing

Understand how to manipulate, analyze and optimize a digital shape with advanced 3D geometry processing techniques and tools, using new generation of geometry processing algorithms designed to meet specific applications in design, architecture, medical, gaming, entertainment and manufacturing.

Rail Track Engineering

AND MORE…

New for 2019

Blockchain

Quantum Computing

Cybersecurity

Water Conservation

Engineering & IT Solutions for Indigenous Communities