



Help shape the digital future of Australia

The Institute of Applied Technology Digital (IATD) is a national Centre of Excellence dedicated to delivering future-focused digital training. Working in close collaboration with industry and education partners, the IATD designs market-leading courses that respond rapidly to emerging skills needs.

Study fully subsidised Microskills or subsidised Microcredentials across Cyber Security, Artificial Intelligence, Data Analytics, Software, Cloud Computing or Work-Integrated Learning (WIL) to develop industry-recognised skills that address your workplace or career goals.

Microskills

Fully subsidised, bite-sized, self-directed courses, containing a few hours of on-demand content.

Microcredentials

Practical, assessed short courses (6-8 weeks), providing recognised certification in relevant industry skills.

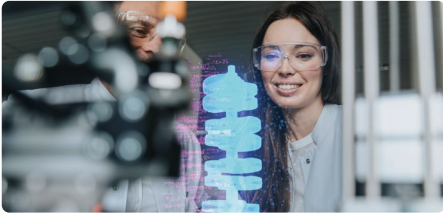
Skills Accelerator Program

16-week intensive, hands-on, industry-focused programs, designed to elevate your skills and give you a competitive edge.

Recognised PD provider by NESAs



Artificial Intelligence



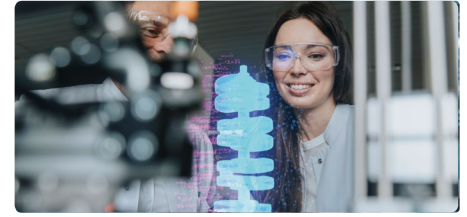
Microskill: Introduction to Artificial Intelligence

This Microskill is a gentle and non-technical introduction on how machines learn from data, and explores various use cases and applications of AI.



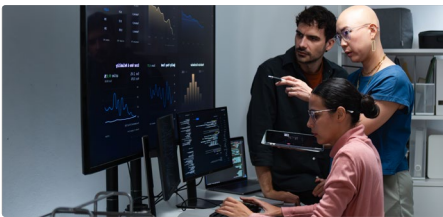
Microskill: Generative AI and its business applications

This Microskill covers the fundamentals of Generative AI and its application to various routine business functions. Learn all about Generative AI tools and discuss the potential these tools have to transform the way we brainstorm, ideate, create and build various content.



Microskill: Responsible Artificial Intelligence

This course covers overarching ethics, laws and policies to consider during the AI process, that are needed to build trust in any AI system.



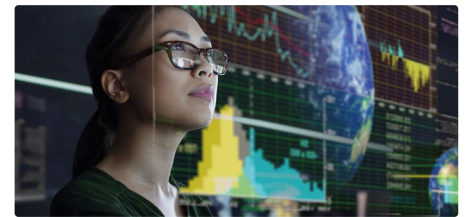
Microskill: Agentic AI

This Microskill provides a foundational understanding of what agentic AI is, and why it matters. As agentic AI advances, demand is increasing for people who can work with low-code and no-code agentic AI tools in a range of environments.



Foundation Microcredential: Unlock the Power of Generative AI: Prompt Engineering

Master the art of prompt engineering and learn to harness generative AI for smarter, faster results across any industry. Tailored for busy learners seeking fast, effective results in today's AI-driven workplace.



Foundation Microcredential: Deep Learning Foundations

This course provides an understanding of the capabilities and challenges in Deep Learning to equip you for an artificial intelligence (AI) ready workforce.



Foundation Microcredential: Introduction to Natural Language Processing

Learn the practical knowledge and skills needed to combine linguistics and AI to interpret and manipulate written text, enabling data-based decisions using vast amounts of unstructured textual data for deeper insights into human languages.



Foundation Microcredential: Machine Learning Algorithms

Explore the understanding of various types of supervised, unsupervised, and semi-supervised Machine Learning (ML) algorithms and get hands-on experience in preparing, training, evaluating and selecting ML algorithms to develop intelligent applications.



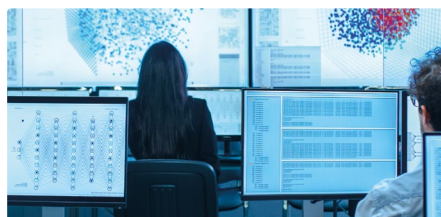
Foundation Microcredential: Machine Learning Foundations

Learn how machines learn from data using classification and regression models, and how Machine Learning algorithms are applied in real-world applications.



Intermediate Microcredential: AI Applications

Learn to evaluate your AI readiness across all industries using examples from Finance and Healthcare domains.



Intermediate Microcredential: Applied Machine Learning

Develop a 360-degree understanding of the Machine Learning project lifecycle for complex real-world problems with an aim to train the machine to learn from data.



Intermediate Microcredential: Building Advanced Machine Learning Models

This course delves deeply into constructing Machine Learning (ML) models, enhancing your abilities to address real-world challenges in model building. It equips you with effective practices to build, deploy, and scale high-performance models to empower you along the way.



Intermediate Microcredential: Impact of AI on Society

Gain a comprehensive understanding of the ethical, societal, and regulatory concerns surrounding AI in society, including global regulatory frameworks, guidance frameworks and the legal and ethical implications of using AI systems.



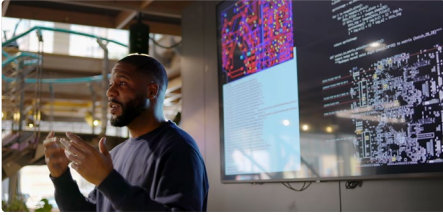
Intermediate Microcredential: Machine Learning Software Development Practices

Learn how to deploy Machine Learning models using Machine Learning Operations (MLOps). Develop your understanding of agile Data Science Practices to compare and contrast DevOps with MLOps.



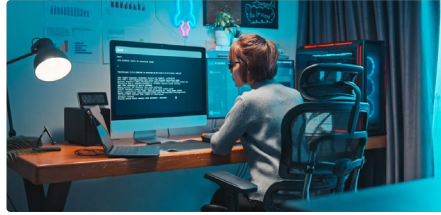
Intermediate Microcredential: Practice AI with Programming

This course is designed for professionals who want to gain hands-on experience in the area of Artificial Intelligence through building Machine Learning (ML) models using programming.



Skills Accelerator: AI

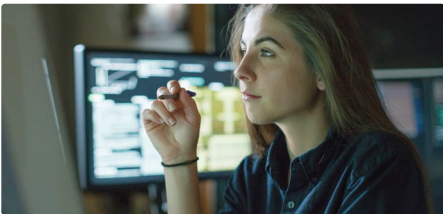
This intensive, practical, industry-focused program is designed to help you leverage AI tools and techniques to solve real-world problems and drive innovation in your industry.



Work Integrated Learning: Artificial Intelligence

This course connects you directly with industry, providing invaluable opportunities to develop no-code, AI-based solutions using Microsoft Copilot Studio, Power Automate, and the broader Power Platform toolset.

Big Data



Microskill: Introduction to Data Analytics

This course provides an introduction to the fundamentals of data analytics, such as data gathering, data sources, cleaning, analysing and visualising data, and how to add value to your decision making through the use of data.



Microskill: Introduction to Data Centres

This microskill builds a foundational understanding of data centres, their role, importance, and the skills needed to manage operations effectively.



Microskill: Introduction to SQL

This microskill is a basic hands-on, self-paced course to introduce you to SQL using Microsoft SQL Server as the database engine. SQL is one of the most in-demand IT skills as organisations collect more and more data to help them make data-driven decisions.



Foundation Microcredential: Data Analytics Essentials

Develop foundational skills, hands-on experience, and contextual understanding of data analytics to meet the demands of a data-driven industry.



Foundation Microcredential: Applied Data Analytics

Master foundational techniques to confidently tackle data analytics tasks, ensuring accurate, actionable insights for diverse business applications.



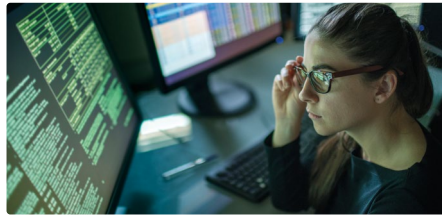
Foundation Microcredential: Data Engineering Foundations

The course takes a wide-angled approach to understanding how to make quality data available for making evidence-based decisions in a business context.



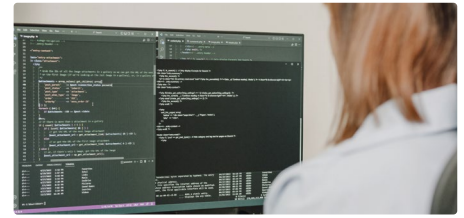
Foundation Microcredential: Data Visualisation Foundations

Get an introduction to the world of data visualisation, using a hands-on approach to explore and prepare data for evaluating results via visual techniques.



Foundation Microcredential: Power BI for Data Analytics

This course introduces the student to the Power BI tool, one of the Microsoft interactive data visualisation software tools that focuses on business intelligence.



Foundation Microcredential: Python for Data Analytics

Discover how Python can be used in data analytics using real-world scenarios where you prepare your data for analysis, perform simple data analysis, and create data visualisation and prediction models from data using Python libraries.



Foundation Microcredential: SQL for Data Analytics

Learn data analytics and SQL through hands-on case studies, data cleaning, and visualisation techniques to uncover hidden trends and effectively communicate insights.



Intermediate Microcredential: Customer and People Analytics

Learn essential skills in customer and people analytics, merging technical and business perspectives. Through hands-on learning with Excel, Power BI, and Python, students will develop data-driven strategies for business growth and workforce optimisation.



Intermediate Microcredential: Data Engineering with Azure

Gain essential skills to design, implement, and optimise data solutions using Azure services. Explore cloud-based data platforms and learn to leverage Azure's robust offerings for data storage, processing, and integration.



Intermediate Microcredential: Data Innovations for Organisational Growth and Storytelling

Learn data storytelling and analysis techniques to drive organisational growth, exploring how data-driven narratives can address challenges and foster innovation tailored to your workplace audience.



Intermediate Microcredential: Intermediate Data Visualisation

Gain an in-depth exploration of data modelling, analysis, and visualisation using Microsoft Power BI. This course is designed for professionals who are wanting to learn how to enhance their analytical capabilities, make data-driven decisions, and effectively communicate insights.



Skills Accelerator: Data

This 16-week intensive, hands-on, industry-focused program is designed to elevate your skills and give you a competitive edge in data analytics and visualisation.

Cloud Computing



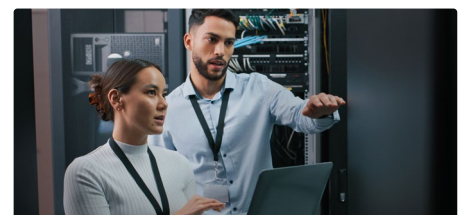
Microskill: Introduction to Cloud Computing

This introductory cloud computing course gives you an understanding of cloud computing technologies and cloud deployment models, as well as how to get into the Cloud workspace.



Microskill: Introduction to Data Centres

This microskill provides a foundational understanding of data centres, their importance, and the essential skills needed to manage data centre operations effectively.



Foundation Microcredential: Cloud Computing Foundations

Gain experience in designing a secure virtual network for a business scenario, including effective cost management and monitoring and resource management strategies for cloud applications.



Foundation Microcredential: Cloud Engineering Foundations

This Microcredential provides a comprehensive understanding of the design and implementation of cloud infrastructure, covering key concepts, underlying technologies, and practical applications.



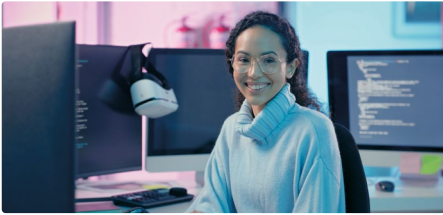
Foundation Microcredential: Container Technologies Foundations

Through online lectures, Q&A sessions with industry experts, and hands-on Docker workshops, this six-week beginners program will cover container operations, orchestration, and security.



Intermediate Microcredential: Advanced Cloud Computing

Identifying and utilising virtual storage services for various business requirements. Learn to design and deploy high performance and decoupled cloud solutions, including deployment of serverless architecture.



Intermediate Microcredential: Architecture for Cloud-Native Applications

This Microcredential covers a comprehensive pathway to design and manage a company's cloud services in a practical, hands-on approach.



Intermediate Microcredential: Cloud Administration

Gain hands-on, practical experience to the cloud environment and learn how to configure and maintain the cloud platform from a cloud administrator's perspective.



Intermediate Microcredential: Cloud Networking

Learn skills you need to design, implement, and manage robust cloud network solutions across multiple platforms.



Intermediate Microcredential: Cloud Security

Learn the fundamentals of cloud computing, including how to spot and respond to security risks and threats in cloud-based applications, and how to design security mechanisms to secure cloud applications.



Intermediate Microcredential: PowerShell Administration

Enhance your expertise in system administration, scripting, and automation within Windows environments as you learn the specialised skills and knowledge needed to use Microsoft PowerShell.



Skills Accelerator: Cloud Computing

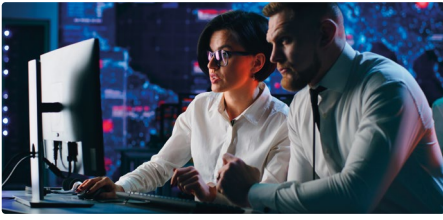
This is 16-week intensive, practical, industry-focused program designed to help you upgrade your skills and gain a competitive edge in your cloud computing career.



Work Integrated Learning: Cloud Computing

This course covers the planning, execution, and management of migrating an application to a cloud-based platform. You'll gain hands-on experience with Azure, learning about app services, relational data options, and the differences between SaaS, PaaS, and IaaS.

Cyber Security



Microskill: Introduction to Cyber Security

You'll learn what are vulnerabilities and risks, how to stay cyber safe, what are the common cyber threats, and career opportunities in cyber security.



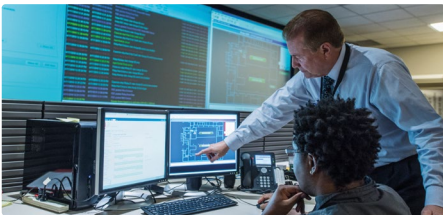
Foundation Microcredential: Human Aspects of Security and Privacy

Explore what goes into a strong security culture as well as uncovering the factors influencing security decision-making, and what's needed to implement user-centric design strategies, and more.



Foundation Microcredential: Basics for Identity Management and Secure Authentication Techniques

This course provides a comprehensive overview of identity and access management (including solutions, tools, risks and problems). All learnings are closely tied with industry solutions, and can be directly used in industry projects.



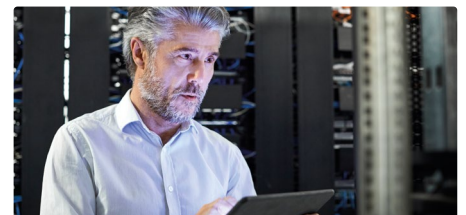
Foundation Microcredential: Cyber Breach Simulation and Cyber Crisis Management

Learn what happens during a cyber incident, the steps to manage and clean up from a cyber incident, and learn from the cyber incident.



Foundation Microcredential: Cyber Security for Leaders and Managers

Develop skills to confidently interpret security metrics, shape cybersecurity strategies, question assumptions, and guide conversations that align cybersecurity initiatives with broader organisational objectives.



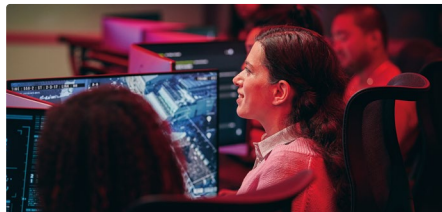
Foundation Microcredential: Cyber Security Threat Assessment and Risk Management

Gain a working knowledge of how to identify cyber security threats and assess the risks involved, understanding their impact on business.



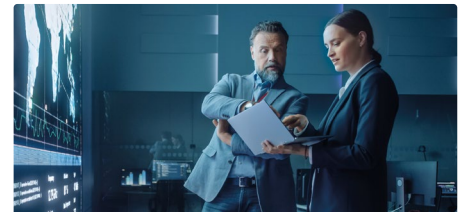
Foundation Microcredential: Cyber Incident Threat Detection and Prevention

Gain essential skills to identify, detect and prevent cyber threats that target modern enterprise environments. Learn to operationalise cyber threat intelligence, engage in proactive hunting and deploy tools for real-time threat detection.



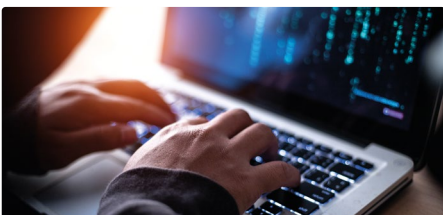
Foundation Microcredential: Data Security and Information Privacy Foundations

Gain an understanding of the fundamentals of data security and information privacy.



Foundation Microcredential: Security Management Leadership

Gain an understanding of cyber security risks, be able to effectively risk manage cyber security for organisations, and take decisive actions when responding to cyber criminals or a cyber attack.



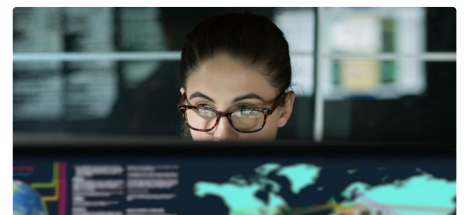
Intermediate Microcredential: Application of AI for Cyber Security

Gain an understanding of how attackers can defeat Machine Learning (ML) systems, adversarial ML and techniques to make robust ML models.



Intermediate Microcredential: Applied Cryptography and Information Security

Explore cryptography basics, its role in safeguarding intellectual property (IP) in software, and emerging technologies like homomorphic encryption for private computing.



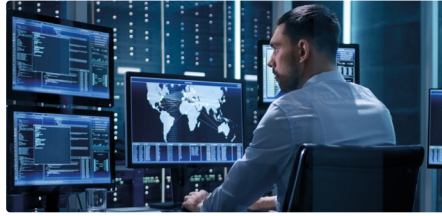
Intermediate Microcredential: Applied Cyber Threat Intelligence Analysis

Ready to turn cyber threat data into actionable intelligence? This hands-on course is designed to equip you with the skills to detect, analyse, and communicate cyber threats with precision and impact.



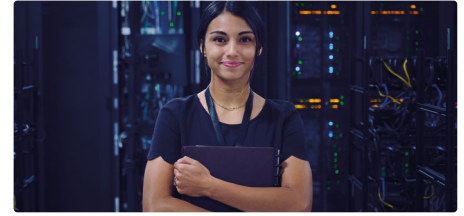
Intermediate Microcredential: Cyber Governance and Cyber Planning

This course is for professionals wanting to make a difference in their organisation's cyber security governance, including how to develop a cyber plan that aligns to business outcomes.



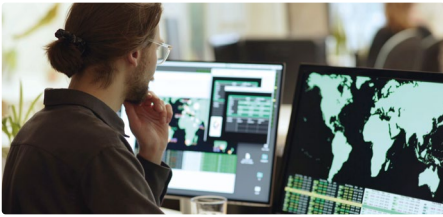
Intermediate Microcredential: Cyber Security Architecture Design

Learn to research and analyse industry standard design methodologies for security architecture and how to document finalised security solutions.



Intermediate Microcredential: Cyber Security Insider Risks and Threats

Gain skills to tackle insider threats, strengthen cyber defenses, and improve enterprise security, as well as assess vulnerabilities, monitor proactively, and design risk mitigation strategies.



Intermediate Microcredential: Cyber Security - Legal Obligations and Compliance with the Australian Regulatory Framework

Understand Australia's cyber security regulations to identify areas of non-compliance and litigation risk, and know when your organisation should seek legal advice.



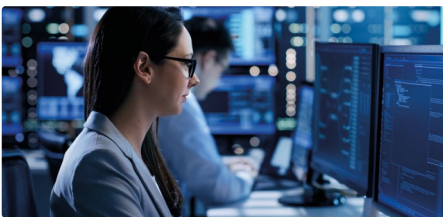
Intermediate Microcredential: Data Privacy Compliance: Legal Obligations in Practice

Gain an understanding of some of the skills and knowledge required to manage privacy and Artificial Intelligence (AI) risks within an organisation.



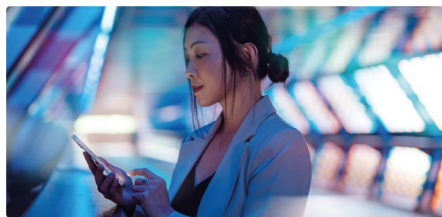
Intermediate Microcredential: DevSecOps and Secure Software Development

The DevSecOps (Development, Security and Operations) and Secure Software Development Microcredential explores aspects of cyber security in the processes of software development and delivery.



Intermediate Microcredential: Digital Forensics

Gain a working knowledge of the Digital Forensics process of investigation, examination, analysis, and recovery of data found in digital devices in relation to crimes and incidents. Learn to acquire data from various types of Internet of Things devices.



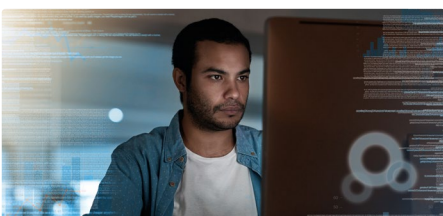
Intermediate Microcredential: Digital Forensics for Mobile

Through a combination of expert-led instruction, hands-on labs and real-world case studies, you'll master the art and science of extracting, analysing, and interpreting digital evidence from various mobile platforms.



Intermediate Microcredential: Digital Forensics for Workstations

Delve into the principles, regulations and processes essential for conducting sound forensic investigations, and discover the data that can be used to conduct data forensics on workstations.



Intermediate Microcredential: Industrial Control Systems/ Operational Technology Security

With increased interconnectivity, the potential impact of a cyber attack is heightened. This course will give you a working knowledge of security for industrial automation and control systems.



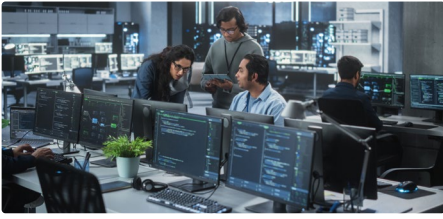
Intermediate Microcredential: Mobile and IoT Device Security

The world relies increasingly on mobile and Internet of Things (IoT) platforms, and this course provides an in-depth overview of the new security risks and threats that these platforms face.



Intermediate Microcredential: Penetration Testing, Ethical Hacking and Offensive Security

The course is designed for students with a solid understanding of networking, operating systems, and web application, and who wish to pursue a career in information security.



Intermediate Microcredential: Security of AI

For individuals wanting to extend their expertise from traditional security environments to the new frontier of AI-enabled systems. It covers threats, governance, regulations, and responsible AI practices.



Intermediate Microcredential: System and Network Attacks Simulation

Gain an understanding of the common principles of cyber threats, network and web security and learn how to respond to cyber incidents more efficiently, accurately and effectively.



Skills Accelerator: Security Operations Centre Analyst (SOC)

This 16-week intensive, hands-on, industry-focused bootcamp will give you a competitive edge to further pursue your IT career.

Software



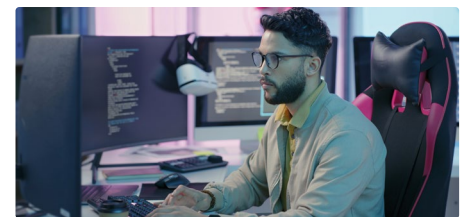
Microskill: Introduction to Linux

Develop a solid working knowledge of Linux, exploring both the user interface and the command line. Learn system configuration, basic command line operations and common Linux applications.



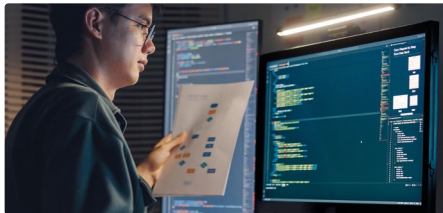
Foundation Microcredential: Web Development (Front-End)

This Microcredential will examine Front-End web development using hands-on projects and underpinning theories to develop your skills.



Foundation Microcredential: Web Development (Back-End)

This Microcredential will examine Back-End web development from scratch, covering all the fundamental knowledge using many hands-on projects.



Foundation Microcredential: Introduction to DevOps

Gain a comprehensive introduction to DevOps concepts in software development, enhancing your skills through hands-on projects that cover essential components like Continuous Development, Integration, Testing, Monitoring and more.



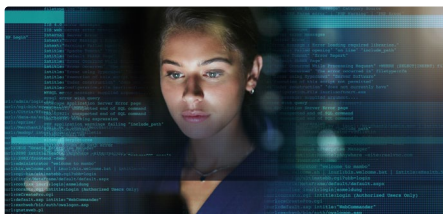
Foundation Microcredential: Mobile Application Development

Take a practical deep dive into the foundational skills required by software developers to work on mobile applications.



Foundation Microcredential: Software Programming and Data Modelling

Develop the skills needed to write user specifications, model and design software systems, and code and build software applications.



Foundation Microcredential: Software Quality Assurance and Testing

A comprehensive course designed to equip you with the essential skills and knowledge needed to assess quality and reliability of software applications.



Skills Accelerator Program

The IATD Skills Accelerator Program is a 16-week intensive training initiative. Developed in collaboration with industry leaders such as Microsoft, Macquarie University, and the University of Technology Sydney, the program aims to rapidly equip learners with in-demand digital skills tailored to the evolving needs of Australia's tech sector.

Security Operations Centre (SOC)

Fast-track your IT career with a Microsoft-backed Skills Accelerator, where you'll learn threat detection, incident response, security tools, and real-world SOC operations.

Data Analytics with SAS

This Data Analytics Accelerator features Python, Power BI, Microsoft and SAS-backed training, and real-world projects to prepare you for roles in analytics, BI, and data science.

Cloud Computing

This Cloud Computing Skills Accelerator features hands-on training, Microsoft Azure certifications, and practical skills in cloud setup, app deployment, and real-world industry projects.

Artificial Intelligence

Transform your AI knowledge into workplace-ready skills with our hands-on program, designed to propel you into the forefront of AI technology. This course connects you directly with industry, providing invaluable opportunities to develop AI-based solutions.



Unlock your career potential with Work-Integrated Learning

The Australian digital industry is rapidly expanding, creating a growing demand for skilled professionals to lead innovation and transformation across all sectors. At the IATD, our Work-Integrated Learning program combines classroom knowledge with real-world experience, empowering you with the skills and confidence to excel in today's dynamic workforce.

Whether undertaken as part of a skills accelerator program or on its own, IATD's Work-Integrated Learning program prepares you to succeed in the ever-evolving digital landscape.

Benefits of Work-Integrated Learning (WIL):



Real-World Experience and Simulated Learning

Gain real-world experience by applying your new skills in practical, hands-on settings through our work integration program.



Comprehensive career support

From resume tips to personal branding, we help you confidently move from the classroom to your career.



Build valuable industry connections

Build your network and gain insider access to mentors, industry leaders, and career-launching opportunities.



Tailored pathways for every career stage

Whether you're starting out or stepping up, our programs give you the real-world experience to reach your career goals.

How the program works:



Begin Your Journey:

Enrol in one of our 10-16-week skills accelerator programs:

- Cyber Security
- Data Analytics
- Cloud Computing
- Artificial Intelligence



Engage in Work-Integration Learning Activities:

Our Work-Integrated Learning Programs are designed and delivered in a simulated workplace setting, using real tasks and technology from industry.



Enhance Your Career with Tailored Check-In Sessions:


- Resume uplift
- Mentoring
- Non-technical skills evaluation and development
- Interview readiness



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