EXPLORE DIGITAL CAREER TRAINING PATHWAYS

MAKE GREAT HAPPEN

tafe Queensland

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Digital technology has changed almost every aspect of the daily life of households, businesses, industries and governments, bringing opportunities and challenges for each. To embrace the opportunities of this digital transformation and position Queensland with a strong and diverse digital economy, the Department of Communities, Housing and the Digital Economy has implemented the Digital Professional Workforce Action Plan 2020-2024 to boost the number of Queenslanders skilling and re-skilling for an expected upsurge in digital jobs.

In a partnership between the Department and TAFE Queensland, an exciting #Digitrek experience was delivered to the South West region. This was part of the goal to help regional Queensland embrace the opportunities of digital transformation and enabling a strong and diverse digital economy. Find out more about the Digitrek Regional Outreach.

Find out more visit Department of Communities, Housing and Digital Economy

Many people think that having digital skills for the workplace means working in IT. But that is definitely not the case. Baseline technology use and application skills are requested by employers for most jobs. It's easy to think your digital knowledge is good enough for the workplace and maybe it is, but the way businesses operate is changing fast as the use of digital technology and automation transforms how we work. Contemporary digital skills are highly transferable and are a critical component for employability. Being highly digitally skilled may be the key to standing out in the job market, so it is important to keep up to date. Digital skills include for example:

1. Basic computer skills: These skills include using a computer, navigating the internet, and using software like Microsoft Word and Excel and Apps on phones or tablets.
2. Digital communication: Jobs often require the ability to communicate through email, text messages, and video calls. It's essential to know how to use these tools effectively.
3. Social media management: If you're looking to start up your own business, or work in an industry where it's important to showcase your work, you may need to manage social media accounts. This includes creating posts, responding to messages, and analysing data.
4. Coding and programming: These skills are necessary for jobs in fields like software development, web development, and data analysis.
5. Cybersecurity: With the increase in cyber threats, cybersecurity skills are becoming more important in many industries.
6. Point of Sale systems: From cash registers, EFTPOS machines and fast-food ordering to barcode scanning of items and parts, digital skills are required in all types of retail environments.
7. Mobile apps: Many trade workers use mobile apps to help them with tasks like tracking time, ordering materials, and creating invoices.

It's important to remember that the specific digital skills required for a job may vary depending on the industry. However, having a solid foundation in these skills will be helpful for any job you pursue. So, if you're looking to increase your employability, it's a good idea to focus on developing your digital skills!

The integration of technology is bringing significant changes to traditional trades such as carpentry, plumbing, and electrical work. As a result, tradespeople need to acquire digital skills to keep up with the latest tools and techniques. Check out the top ten key digital skills that are becoming increasingly important for each trade.

Engineering Digital Skills

Boilermaking, fabrication, and fitting and turning are all trades that require a range of digital capabilities to stay competitive in today's job market.

- Computer-Aided Design (CAD): CAD software is used to create detailed drawings of parts and assemblies, allowing tradespeople to visualize and plan projects in 3D. Proficiency in CAD software is essential for many boilermakers, fabricators, and fitters.
- Computer-Aided Manufacturing (CAM): CAM software is used to generate toolpaths and instructions for CNC machines, allowing tradespeople to produce complex parts with high precision and repeatability.
- Computer Numerical Control (CNC) Programming: CNC machines are used to produce parts and assemblies with a high degree of accuracy and consistency. Knowledge of CNC programming is essential for operating and maintaining these machines.
- Materials Science: Tradespeople in these fields must have an understanding of materials science, including the physical and chemical properties of various materials, as well as the processes used to shape and join them.
- Data Analysis: Tradespeople may collect and analyse data from sensors and other devices to optimise manufacturing processes and improve efficiency. Knowledge of data analysis tools and techniques is becoming increasingly important in these trades.
- Robotics and Automation: Robotics and automation are increasingly being used in manufacturing and fabrication, and tradespeople must be able to operate and maintain these systems.
- Additive Manufacturing: Additive manufacturing, or 3D printing, is becoming more common in these trades, and tradespeople must be able to design, operate, and maintain 3D printers.
- Digital Fabrication: Digital fabrication involves using computer-controlled machines to produce parts and assemblies, and tradespeople must be able to operate and maintain these machines.
- Quality Assurance: Tradespeople must be able to ensure that the products they produce meet quality standards, and knowledge of quality assurance tools and techniques is becoming increasingly important.
- Information Technology (IT) Management: Tradespeople must be able to manage and maintain IT systems and networks used in manufacturing and fabrication, including computer networks, servers, and databases.

These are just some of the top digital capabilities that are becoming increasingly important for boilermaking, fabrication, and fitting and turning trades in Australia. As technology continues to evolve, new skills will become necessary, making it important for tradespeople to stay up-to-date with the latest developments in their field.

Electrotechnology and Electronics Trades

Electricians and electronics trades workers require a range of digital capabilities to stay competitive in today's job market.

- Digital Circuit Design: Electricians and electronics trades workers need to have an understanding of circuit design, including the ability to design and simulate circuits using software such as LTSpice or Proteus.
- Programmable Logic Controllers (PLCs): Knowledge of PLCs is becoming increasingly important in electrical and electronics trades, particularly in industrial settings. Tradespeople need to be able to program and maintain PLCs.
- Internet of Things (IoT): Tradespeople must be able to work with IoT devices, such as sensors and smart home systems, that are becoming increasingly common in residential and commercial settings.
- Automation: Automation technologies are becoming more common in many industries, and tradespeople need to be able to operate and maintain these systems.
- Cybersecurity: Tradespeople must be able to ensure that the systems they work with are secure, including computer networks and IoT devices.
- Virtual and Augmented Reality: Tradespeople may use virtual and augmented reality technologies to visualize and plan projects, particularly in large-scale construction or industrial settings.
- Robotics: Tradespeople may work with robots, particularly in manufacturing or industrial settings, and must be able to operate and maintain these systems.
- Digital Maintenance and Troubleshooting: Tradespeople must be able to use digital tools and software to diagnose and troubleshoot problems with electrical and electronic systems.
- Digital Documentation: Tradespeople must be able to create and maintain digital documentation of electrical and electronic systems, including wiring diagrams, schematics, and maintenance records.
- Data Analytics: Tradespeople may collect and analyse data from sensors and other devices to optimise processes and improve efficiency, and must be able to use data analytics tools and techniques.

Construction

Within the construction industry, you need digital tools in your tool belt, as much as you do a hammer and power tools. These can include:

- Building Information Modelling (BIM): BIM is a digital representation of a building or infrastructure project that allows tradespeople to work collaboratively and more efficiently. Tradespeople must be able to use BIM software to create, modify, and manage digital models.
- 3D Printing: 3D printing is becoming more common in the construction industry, allowing tradespeople to create complex shapes and structures quickly and efficiently. Tradespeople must be able to design and operate 3D printers.
- Drones: Drones are increasingly being used for surveying, inspections, and monitoring of construction sites. Tradespeople must be able to operate and maintain drones, and analyse the data they collect.
- Virtual and Augmented Reality: Tradespeople may use virtual and augmented reality technologies to visualize and plan projects, particularly in large-scale construction projects.
- Project Management Software: Tradespeople must be able to use project management software to track progress, manage resources, and communicate with other team members.
- Digital Safety Management: Tradespeople must be able to use digital tools to manage safety on construction sites, including safety inspections and hazard identification.
- Digital Fabrication: Tradespeople must be able to use digital tools such as computer-controlled cutting machines to fabricate components, including steel beams and precast concrete panels.
- Digital Documentation: Tradespeople must be able to create and maintain digital documentation of construction projects, including plans, drawings, and specifications.
- Building Automation: Tradespeople must be able to install and maintain building automation systems, which can control heating, cooling, lighting, and security systems.
- Data Analytics: Tradespeople may collect and analyse data from sensors and other devices to optimise processes and improve efficiency, and must be able to use data analytics tools and techniques.

Agriculture

As the agricultural industry continues to become more technologically advanced, agricultural workers in Australia need to develop digital capabilities to stay competitive.

- Precision Agriculture: Precision agriculture technologies such as GPS, drones, and sensors are becoming more common in the industry. Agricultural workers must be able to operate and maintain these technologies to optimise yields and reduce waste.
- Farm Management Software: Agricultural workers must be able to use software to manage farm operations, including crop and livestock management, financial management, and supply chain management.
- Data Analytics: Agricultural workers must be able to collect and analyse data from sensors and other devices to optimise processes and improve efficiency.
- Automation and Robotics: Agricultural workers must be able to operate and maintain automated equipment and robots used for tasks such as planting, harvesting, and milking.
- Digital Mapping and Surveying: Agricultural workers must be able to create and interpret digital maps and surveys to plan and manage land use.
- Mobile Technology: Agricultural workers must be able to use mobile devices to access information and communicate with other workers and suppliers.
- Social Media and Marketing: Agricultural workers must be able to use social media and digital marketing tools to promote their products and connect with customers.
- Environmental Monitoring: Agricultural workers must be able to use sensors and other technologies to monitor environmental conditions such as soil moisture, temperature, and weather patterns.
- Blockchain Technology: Blockchain technology is being used to track the provenance of agricultural products and ensure their quality and safety. Agricultural workers must be able to use blockchain technology to manage supply chains.
- Artificial Intelligence: Artificial intelligence technologies such as machine learning and computer vision are being used in the agricultural industry to optimise processes and improve yields. Agricultural workers must be able to understand and use these technologies.

Resources (Gas, Solar, Wind, Hydrogen)

The resources industry in Australia has seen significant technological advancements over the past few years, resulting in a demand for digital capabilities.

- Industrial Internet of Things (IIoT): Workers in the resources industry need to be familiar with IIoT technologies and their applications, including sensors, big data analytics, and machine learning.
- Remote Monitoring and Control: Many resources operations are located in remote or hazardous locations, so workers must be able to operate and monitor equipment remotely using digital technologies.
- Data Analytics: Workers need to be skilled in collecting, managing, and analysing large datasets to optimise operations and identify inefficiencies.
- Robotics and Automation: Robotics and automation are increasingly being used in the resources industry to improve safety, productivity, and efficiency. Workers need to be able to operate, maintain, and program these machines.
- 3D Printing: Additive manufacturing technologies such as 3D printing are being used to create replacement parts and prototypes. Workers need to be familiar with these technologies to maintain and repair equipment.
- Augmented and Virtual Reality: Augmented and virtual reality technologies are being used to train workers and provide them with real-time feedback. Workers need to be able to use these technologies effectively.
- Cybersecurity: As more operations become digitised, cybersecurity is becoming increasingly important. Workers need to be familiar with cybersecurity technologies and best practices to protect operations from cyber threats.
- Digital Twinning: Digital twin technology allows workers to create a digital replica of a physical asset, which can be used to monitor performance and identify issues before they occur. Workers need to be able to use this technology to optimise operations.
- Renewable Energy: As the world transitions to renewable energy sources, workers in the resources industry need to be familiar with solar, wind, and other renewable energy technologies.
- Blockchain Technology: Blockchain technology can be used to track the provenance of resources and ensure their quality and safety. Workers need to be able to use blockchain technology to manage supply chains.

Childcare and Community Services

Early Childhood Educators and Carers have such an extraordinary impact on the development of the children in their care. Digital learning and resource applications are playing a more significant role in early years, than ever before.

- Digital Communication: Workers need to be able to communicate effectively with families, colleagues, and other stakeholders using a range of digital tools, including email, messaging apps, and video conferencing.
- Electronic Record Keeping: Workers need to be able to maintain accurate and up-to-date records of children's development and progress using electronic systems.
- Social Media Management: Many childcare and community services organizations use social media to engage with families and promote their services. Workers need to be able to use social media effectively and responsibly.
- Digital Learning: Workers need to be able to use digital tools to support children's learning and development, including educational apps, online resources, and digital games.
- Cyber Safety: Workers need to be able to educate children and families on cyber safety best practices, including protecting personal information, avoiding cyberbullying, and managing online risks.
- Telecare: With the rise of telecare services, workers need to be able to use digital tools to provide remote linking and consultation to families.
- Online Training: Workers need to be able to access and complete online training and professional development opportunities to enhance their skills and knowledge.
- Electronic Payment Systems: Workers need to be familiar with electronic payment systems, including online billing and payment platforms, to facilitate transactions with families.
- Online Resource Management: Workers need to be able to manage online resources and tools, including websites, databases, and learning management systems, to support their work.
- Digital Documentation: Workers need to be able to use digital tools to create, manage, and share documents, including policies and procedures, risk assessments, and incident reports.

Aged Care and Enrolled Nursing

Aged care and enrolled nurse workers in Australia require a range of digital capabilities to provide high-quality care and support.

- Electronic Health Records: Workers need to be able to access, input, and manage patient health information and electronic health records (EHRs) using digital systems.
- Telehealth: With the rise of telehealth services, workers need to be able to use digital tools to provide remote support and consultation to patients.
- Digital Communication: Workers need to be able to communicate effectively with patients, families, and other healthcare providers using a range of digital tools, including email, messaging apps, and video conferencing.
- Social Media Management: Many healthcare organisations use social media to engage with patients and promote their services. Workers need to be able to use social media effectively and responsibly.
- Mobile Technology: Workers need to be familiar with mobile technology, including smartphones and tablets, to access information and communicate with patients and other healthcare providers.
- Online Training: Workers need to be able to access and complete online training and professional development opportunities to enhance their skills and knowledge.
- Digital Learning: Workers need to be able to use digital tools to support patient education and learning, including educational apps, online resources, and digital games.
- Electronic Medication Management: Workers need to be able to manage medications electronically, including ordering, dispensing, and administering medications using digital systems.
- Digital Documentation: Workers need to be able to use digital tools to create, manage, and share documents, including care plans, medication records, and progress notes.
- Cyber Security: Workers need to be able to follow cyber security best practices, including protecting patient information, avoiding phishing attacks, and managing online risks.

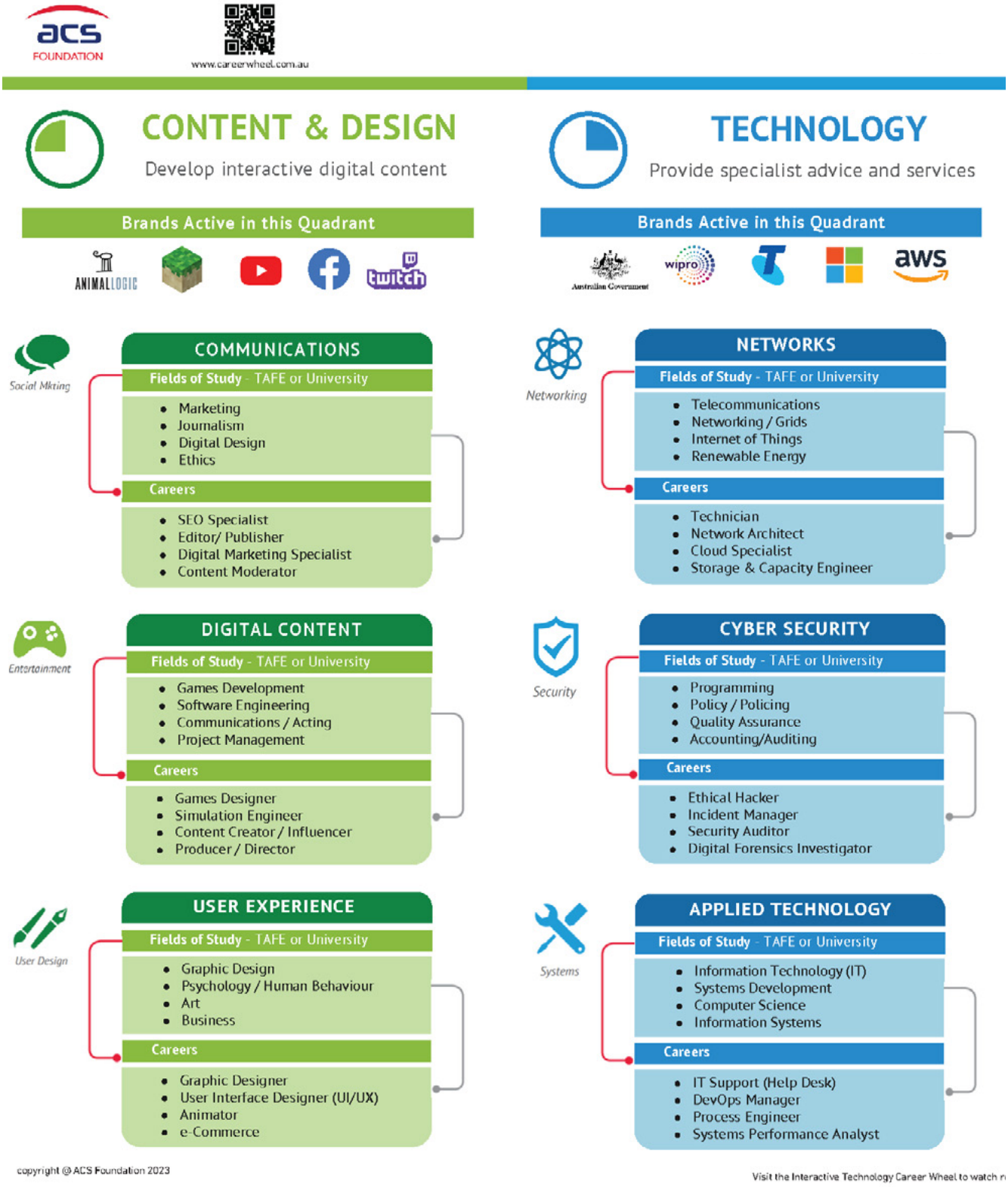
Hair, Beauty and Hospitality Digital Skills

Customer relationship and engagement is a huge part of the world of hair and hospitality.

- Online Bookings and Scheduling: Workers need to be able to manage online bookings and scheduling through digital systems, such as salon or spa management software.
- Social Media Management: Many hair and beauty businesses use social media to promote their services and engage with customers. Workers need to be able to use social media effectively to reach a wider audience.
- Digital Marketing: Workers need to be able to create and implement digital marketing strategies, including email marketing campaigns and online advertising.
- Customer Relationship Management (CRM): Workers need to be able to manage customer data, including contact information, purchase history, and preferences, using digital CRM systems.
- Point of Sale (POS) Systems: Workers need to be able to use digital POS systems to process payments and manage inventory.
- Online Reviews and Reputation Management: Workers need to be able to monitor and respond to online reviews, and manage their business's online reputation.
- Mobile Technology: Workers need to be familiar with mobile technology, including smartphones and tablets, to access information and communicate with customers.
- Digital Content Creation: Workers need to be able to create digital content, such as promotional videos and social media posts, to market their services.
- Digital Learning: Workers need to be able to use digital tools to support customer education and learning, including educational videos and online tutorials.
- Cyber Security: Workers need to be able to follow cyber security best practices, including protecting customer information and avoiding phishing attacks.

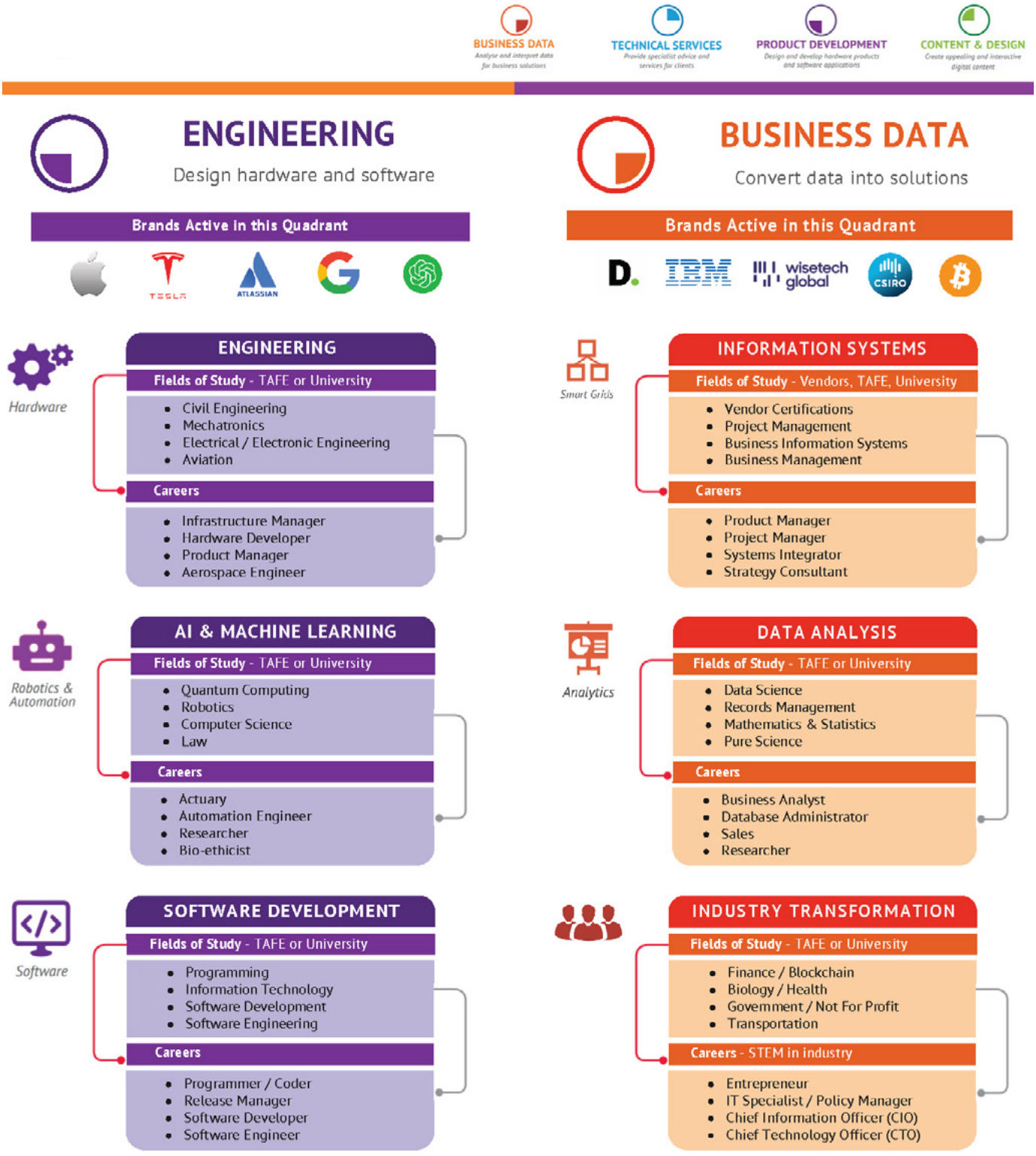
TECHNOLOGY CAREER MAP FOR STUDENTS

You might think that a career in Information Technology means working for a tech company as a software engineer or cyber security specialist. It's true that the highest proportion of job postings, about 16%, are specifically for software and application programmers and computer network professionals, but there is so much variety in this exciting, fast paced and growing profession. Choosing IT as a profession opens up a variety of career pathways in diverse industries with many occupations outside



the IT sector represented – including sales, accountants, and consulting and marketing roles. In fact, up until 2020, jobs in the non-IT sector have shown the most growth in demand for digital skills.

To help you navigate the opportunities as an IT professional, here is a handy career map and programmes offered by TAFE Queensland to start your journey to an IT career.



Visit the Interactive Technology Career Wheel to watch recent graduates describe their jobs and map your path from study to work.

COMMUNICATIONS

Field of Study

- Marketing
- Journalism
- Digital Design
- Ethics

Career Outcomes

- SEO Specialist
- Editor/ Publisher
- Digital Marketing Specialist
- Content Moderator

Code	Courses
ICP31420	Certificate III in Print Communications
BSB30120	Certificate III in Business
BSB40120	Certificate IV in Business
BSB40320	Certificate IV in Entrepreneurship and New Business
BSB50120	Diploma of Business
BSB50620	Diploma of Marketing and Communication
10904NAT	Diploma of Social Media Marketing
ARB301 | 102460A	Bachelor of Digital Design (Digital Media)
ARB302 | 102461M	Bahelor of Digital Design (Game Design)
ARB303 | 102462K	Bachelor of Digital Design (Visual Communication Design)

Code	Skillsets and Microcredentials
NONAC10007	Photography SLR Digital Essentials
NONAC08101	Small Business Marketing Bundle
NONAC08102	Promotion for Small Business
NONAC12013	Basics of Online Promotion and Social Media

Find out more about business and information technology courses

DIGITAL CONTENT

Field of Study

- Games Development
- Software Engineering
- Communications/Acting
- Project Management

Career Outcomes

- Games Designer
- Simulation Engineer
- Content Creator / Influencer
- Producer / Director

Code	Courses
10935NAT	Certificate II in Autonomous Technologies
CUA31020	Certificate III in Screen and Media
ICT30120	Certificate III in Information Technology
BSB40920	Certificate IV in Project Management Practice
BSB50820	Diploma of Project Management
CUA51020	Diploma of Screen and Media - Animation, Gaming and Visual Effects
CUA51020	Diploma of Screen and Media - Directing
CUA51020	Diploma of Screen and Media - Post-production
CUA51020	Diploma of Screen and Media - Production Management
ICT50220	Diploma of Information Technology
10904NAT	Diploma of Social Media Marketing
ARB301 | 102460A	Bachelor of Digital Design (Digital Media)
ARB302 | 102461M	Bachelor of Digital Design (Game Design)
ARB303 | 102462K	Bachelor of Digital Design (Visual Communication Design)

Code	Skillsets and Microcredentials
NONAC12013	Basics of Online Promotion and Social Media

Find out more about digital and interactive media courses

USER EXPERIENCE

Field of Study

- Graphic Design
- Psychology / Human Behaviour
- Art
- Business

Career outcomes

- Graphic Designer
- User Interface Designer (UI/UX)
- Animator
- e-Commerce

Code	Courses
CUA31120	Certificate III in Visual Arts
CUA30720	Certificate III in Design Fundamentals
BSB30120	Certificate III in Business
BSB40120	Certificate IV in Business
BSB40320	Certificate IV in Entrepreneurship and New Business
BSB50120	Diploma of Business
BSB50620	Diploma of Marketing and Communication
CUA50720	Diploma of Graphic Design
CUA51120	Diploma of Visual Arts
ARB405 | 102459E	Bachelor of Creative Industries (Visual Arts)

Code	Skillsets and Microcredentials
BSBTEC201	Use business software applications
BSBTEC202	Use digital technologies to communicate in a work environment
FSKDIG001	Use digital technology for short and basic workplace tasks
FSKDIG002	Use digital technology for routine and simple workplace tasks
FSKDIG003	Use digital technology for non-routine workplace tasks

Find out more about visual and design courses

ENGINEERING

Field of Study

- Civil Engineering
- Mechatronics
- Electrical / Electronic Engineering
- Aviation

Career outcomes

- Infrastructure Manager
- Hardware Developer
- Product Manager
- Aerospace Engineer

Code	Courses
MSM20216	Certificate II in Manufacturing Technology
10935NAT	Certificate II in Autonomous Technologies
MEM20413	Certificate II in Engineering Pathways
MEM20219	Certificate II in Engineering - Production Technology
MEM30505	Certificate III in Engineering - Technical
MEM30219	Certificate III in Engineering - Mechanical Trade
MEM30319	Certificate III in Engineering - Fabrication Trade
MEM31419	Certificate III in Engineering - Fixed and Mobile Plant Mechanic
BSB40920	Certificate IV in Project Management Practice
MEM40119	Certificate IV in Engineering
MEM50212	Diploma of Engineering - Technical
22460VIC	Diploma of Applied Technologies
UEE50520	Diploma of Electronics and Communications Engineering
BSB50820	Diploma of Project Management
UEE60220	Advanced Diploma of Electronics and Communications Engineering
UEE62111	Advanced Diploma of Engineering Technology - Electrical
HED006	Undergraduate Certificate in Civil Engineering Fundamentals
HED001	Associate Degree in Civil Engineering

Find out more about engineering and design courses

AI AND MACHINE LEARNING

Field of Study

- Quantum Computing
- Robotics
- Computer Science
- Law

Career outcomes

- Actuary
- Automation Engineer
- Researcher
- Bio-ethicist

Code	Courses
10935NAT	Certificate II in Autonomous Technologies
TLI30321	Certificate III in Supply Chain Operations
BSB30320	Certificate III in Legal Services
ICT30120	Certificate III in Information Technology
ICT40120	Certificate IV in Information Technology
UEE43220	Certificate IV in Industrial Automation and Control
ICT50220	Diploma of Information Technology
UEE60220	Advanced Diploma of Electronics and Communications Engineering
UEE62111	Advanced Diploma of Engineering Technology - Electrical

SOFTWARE DEVELOPMENT

Field of Study

- Programming
- Information Technology
- Software Development
- Software Engineering

Career outcomes

- Programmer / Coder
- Release Manager
- Software Developer
- Software Engineer

Code	Courses
10935NAT	Certificate II in Autonomous Technologies
ICT30120	Certificate III in Information Technology
ICT40120	Certificate IV in Information Technology
UEE43220	Certificate IV in Industrial Automation and Control
ICT50220	Diploma of Information Technology

Code	Skillsets and Microcredentials
NONC08151A	Coding in Python

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NETWORKS

Field of Study

- Telecommunications
- Networking / Grids
- Internet of Things
- Renewable Energy

Career outcomes

- Technician
- Network Architect
- Cloud Specialist
- Storage & Capacity Engineer

Code	Courses
10935NAT	Certificate II in Autonomous Technologies
ICT20319	Certificate II in Telecommunications Technology
UEE22120	Certificate II in Sustainable Energy (Career Start)
UEE30820	Certificate III in Electrotechnology Electrician
UEE31220	Certificate III in Instrumentation and Control
UEE30820 / UEE31220	Certificate III in Electrotechnology Electrician / Certificate III in Instrumentation and Control
UEE30420	Certificate III in Data and Voice Communications
ICT40120	Certificate IV in Information Technology
UEE50520	Diploma of Electronics and Communications Engineering
ICT50220	Diploma of Information Technology
22460VIC	Diploma of Applied Technologies
UEE62111	Advanced Diploma of Engineering Technology - Electrical

Code	Skillsets and Microcredentials
SSUEE0019	Stand-Alone Power Systems (SPS) Design and Install Skill Set
SSUEE0009	Solar panel and grid connect design skill set
SSUEE0018	Solar panel and grid connect install skill set
SSUEE0024	Battery storage systems for frid connect PV Systems skill set
ICT30120	Certificate III in Information Technology
PMA30120	Certificate III in Process Plant Operations

CYBER SECURITY

Field of Study

- Programming
- Policy / Policing
- Quality Assurance
- Accounting/Auditing

Career outcomes

- Ethical Hacker
- Incident Manager
- Security Auditor
- Digital Forensics Investigator

Code	Courses
10935NAT	Certificate II in Autonomous Technologies
ICT30120	Certificate III in Information Technology
FNS40222	Certificate IV in Accounting and Bookkeeping
22603VIC	Certificate IV in Cyber Security
ICT40120	Certificate IV in Information Technology
ICT50220	Diploma of Information Technology
PSP50122	Diploma of Government
FNS50222	Diploma of Accounting
BSB50920	Diploma of Quality Auditing
22460VIC	Diploma of Applied Technologies

Find out more about business and accounting courses

APPLIED TECHNOLOGY

Field of Study

- Information Technology (IT)
- Systems Development
- Computer Science
- Information Systems

Career outcomes

- IT Support (Help Desk)
- DevOps Manager
- Process Engineer
- Systems Performance Analyst

Code	Courses
MSM20216	Certificate II in Manufacturing Technology
AUR20420	Certificate II in Automotive Electrical Technology
AUR20420	Certificate II in Automotive Electrical Technology
AUR30320	Certificate III in Automotive Electrical Technology
10935NAT	Certificate II in Autonomous Technologies
AVI30419	Certificate III in Aviation (Remote Pilot)
ICT30120	Certificate III in Information Technology
UEE43220	Certificate IV in Industrial Automation and Control
ICT40120	Certificate IV in Information Technology
ICT50220	Diploma of Information Technology
10849NAT	Diploma of Applied Blockchain
22460VIC	Diploma of Applied Technologies
UEE50520 | 103402C	Diploma of Electronics and Communications Engineering

Code	Skillsets and Microcredentials
TLIX0007X	Build digital supply chain capability in the workforce
NONAC03177	3D Printing
NONAC03098	Introduction to CNC - CNC Operations

Explore our study areas

INFORMATION SYSTEMS

Field of Study

- Vendor Certifications
- Project Management
- Business Information Systems
- Business Management

Career outcomes

- Product Manager
- Project Manager
- Systems Integrator
- Strategy Consultant

Code	Courses
ICT30120	Certificate III in Information Technology
BSB30120	Certificate III in Business
ICT40120	Certificate IV in Information Technology
BSB40120	Certificate IV in Business
BSB40320	Certificate IV in Entrepreneurship and New Business
BSB40920	Certificate IV in Project Management Practice
BSB50120	Diploma of Business
BSB50820	Diploma of Project Management
ICT50220	Diploma of Information Technology

DATA ANALYSIS

Field of Study

- Data Science
- Records Management
- Mathematics & Statistics
- Pure Science

Career outcomes

- Business Analyst
- Database Administrator
- Sales
- Researcher

Code	Courses
AHC21020	Certificate II in Conservation and Ecosystem Management
MSL30118	Certificate III in Laboratory Skills
ICT30120	Certificate III in Information Technology
ICT40120	Certificate IV in Information Technology
22603VIC	Certificate IV in Cyber Security
ICT50220	Diploma of Information Technology
22460VIC	Diploma of Applied Technologies

INDUSTRY TRANSFORMATION

Field of Study

- Biology / Health
- Government / Not For Profit
- Transportation
- Careers

Career outcomes

- IT Specialist / Policy Manager
- Chief Information Officer (CIO)
- Chief Technology Officer (CTO)

Code	Courses
FNS30322 | 110034H	Certificate III in Accounts Administration
ICT30120	Certificate III in Information Technology
AHC30122	Certificate III in Agriculture
AHC30620	Certificate III in Production Horticulture
AHC33719	Certificate III in Protected Horticulture
ICT40120	Certificate IV in Information Technology
22603VIC	Certificate IV in Cyber Security
TLI40321	Certificate IV in Supply Chain Operations
FNS40222	Certificate IV in Accounting and Bookkeeping
AHC51422	Diploma of Agribusiness Management
10849NAT	Diploma of Applied Blockchain
FNS50222	Diploma of Accounting
ICT50220	Diploma of Information Technology
22460VIC	Diploma of Applied Technologies
TLI50221	Diploma of Logistics

Code	Skillsets and Microcredentials
TLIX0007X	Build digital supply chain capability in the workforce

Find out more about laboratory science courses

A career in IT is constantly evolving. It is not just IT careers that are evolving as a result of IT. Almost all jobs require digital skills. TAFE Queensland is constantly evolving its training offering to meet industry needs. Stay up to date with how TAFE Queensland is changing people's lives and ensuring relevant skills for the workplace, follow us. @tafeqld #tafeqld

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