

Our Financial Technologies program

Australian Graduate School of Entrepreneurship



swinburne.edu.au/agse



Be the cutting edge

In 2001, Swinburne University of Technology founded the Australian Graduate School of Entrepreneurship (AGSE). This makes us Australia's first dedicated entrepreneurship school. We see disruption as an opportunity. And that's the mindset we teach.

Get exclusive access to Swinburne's vibrant entrepreneurship community, which includes the Innovation Studio, and take advantage of its workshops, masterclasses and Accelerator Program – kickstart your business idea while you study!

Building on Swinburne's longstanding practice of real-world leadership, the curriculum in each AGSE degree is co-created with industry leaders. On top of that, you'll get the best of two worlds: industry practitioners, known as pracademics, teaching alongside Swinburne academics.

The practical application of your learning experience is further emphasised with industry speakers, on-site events, real-life case studies, and guest lecturers from industry and academia.

You'll be building new networks from your first day.



**#1
MELB**

We rank #1 in Melbourne for satisfaction with the staff to student interaction in postgraduate programs*

**TOP
5%**

Accreditation from the AACSB puts the Swinburne School of Business, Law and Entrepreneurship in the top 5% of business schools worldwide.

**RANKED
#43**

Swinburne is ranked #43 in the world in the Times Higher Education (THE) Young University Rankings#

* QILT: Student Experience Survey 2020 and 2021
Times Higher Education Young University Ranking 2023





Master of Financial Technologies

From self-driving banks and algorithmic rebalancing investment portfolio, to voice-activated payments, cryptocurrencies and pay-as-you-go insurance, transformative innovation in financial services is truly the new normal. Armed with an entrepreneurial mindset and applied technical knowledge, this program will help you grasp both worlds of business and technology.

Explore the applied study of Artificial Intelligence and Machine Learning, Blockchain, Quantum Computing, Internet of Things and Big Data Analytics and the impact these technologies have on the financial services industry. Through a blended learning approach, you'll learn to analyse different and emerging business models, perform data analytics on large datasets, use visualisation software to evaluate and present the data in an insightful format and implement business strategies. Develop the skills to effectively take a digitally-led approach to managing strategic transformation in a financial services institution. Then emerge primed for whatever the world has to throw at you.

Who you are

You are a technical or a non-technical business leader (C-Suite, policy-maker, regulator, consultant) currently working in financial services or a related area. You are emerging young talent looking to move into the industry. We'll give you the edge over others by advancing your knowledge and skills in financial technologies.

Where it can take you

With your expertise in financial technology, you'll be ready for managerial roles in operations, data analytics and consulting in banks, credit unions or building societies, insurance companies, superannuation funds and the broader financial services sector.

Demand for people with knowledge in this area is dramatically increasing. According to the figures released by KPMG, global FinTech investment reached \$98 billion during the first half of 2021. In the Asia-Pacific region, FinTech investment rose from \$4.5 billion (in the second half of 2020) to \$7.5 billion (in the first half of 2021). In Australia, the FinTech sector attracted \$890 million in investments in the first half of 2021 only.*

* <https://home.kpmg/au/en/home/insights/2021/08/pulse-of-fintech-h1-2021.html>

Entry requirements

Complete in 2 years, full time or equivalent part-time, if you have

- Any recognised bachelor degree (or higher award). If you have additional qualifications, you may receive Advanced Standing and complete in less than two years, or
- Finished Postgraduate Qualifying Program (international applicants only).

Complete in 1.5 years, full time or equivalent part-time, if you have

- A bachelor degree or graduate certificate in a related discipline, or
- A bachelor degree (or higher award) in any discipline plus two years' work experience, or
- Finished Postgraduate Qualifying Program (international applicants only) plus two years' work experience or two years' of higher education.

Complete in 1 year, full time or equivalent part-time, if you have

- Finished Graduate Certificate of Financial Technologies, or
- An honours bachelor degree in a related discipline.

Course duration

Course duration depends on prior study and experience: 2 years (16 units); 1.5 years (12 units); 1 year (8 units) full-time or equivalent.

Course structure

Foundation units

Students to complete all 4 foundation units from the list below.

ECO80001	Economics
FIN80005	Corporate Financial Management
INF60007	Business Information Systems
INF80042	Governing Technology for Business Environments

Core units

Students must complete all 8 core units from the list below.

ENT60009	Opportunity Discovery, Creativity and Design
FIN60006	Frontiers in FinTech
FIN80018	Derivatives and Risk Management
FIN80004	Capital Markets
FIN80021	Applied Financial Services Project
INF70008	Business Analytics and Visualisation
INF80050	Blockchain: Business Models and Applications
INF80051	Artificial Intelligence and Insights

Specialisation or elective units

You must also complete 50 credit points (mostly 4 units) as your specialisation, or as your electives. There are almost 80 elective units to choose from. Postgraduate internship opportunities are also available as an elective.



Dr Dimitrios Salampasis
Course Director

“The financial services industry is going through a foundational transformative change being positioned at the forefront of global innovation and entrepreneurship. Data-oriented and smart technologies translate into novel FinTech-enabled business models opening up new horizons of products, services and seamless customer experiences. This program, the 1st of its kind in Australia, is a true immersion of a breadth of experiential university-industry co-created coursework allowing students to obtain comprehensive knowledge and specific cutting-edge strategic and functional skills, tools and methods to identify prospective opportunities and become confident in establishing how FinTech innovations can fit within an organisation’s strategy, along with, understanding and dealing with the various ethical, social, cultural and legal issues.”

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Industry partners



Other course in the suite

Graduate Certificate of Financial Technologies*

6 months, full-time or equivalent part-time; all 4 units listed below.

FIN60006	Frontiers in FinTech
INF70008	Business Analytics and Visualisation
ENT60009	Opportunity Discovery, Creativity and Design
FIN80004	Capital Markets

*Does not fall under AACSB Accreditation

Master of Financial Technologies

Specialisations

You may choose one of the below specialisations or alternatively choose the electives of your choice. The specialisation will be noted on your transcript but won't appear on your testamur.

Accounting

The accounting specialisation is critical for professionals with C-suite responsibilities or who provide budgetary and financial advice to clients and/or senior management. Complete the core unit and select any three from the remaining list of units.

ACC60008	Accounting Systems and Reporting (core unit)
ACC80003	Company Auditing
ACC80008	Managerial Accounting
ACC80012	Taxation Principles and Planning
ACC80019	Financial Accounting and Theory
ECO80001	Economics
FIN60003	Business Modelling and Analysis

Business Analytics

Choose four units to learn about business analytics and data visualisation, social media and mobile-based applications, predictive analytics, AI, Big Data, Internet of Things and more.

INF70008	Business Analytics and Visualisation
INF60012	Cloud Enterprise Systems and Analytics
INF60013	Mobile Business and Social Media
INF80005	Business Information Systems Internship Project
INF80031	Applied Business Analytics and Data Visualisation
INF80040	Predictive Analytics
INF80051	Artificial Intelligence and Insights

Business Information Systems

Analyse and articulate how technology can be used to assist business and decision-making processes. Complete the core unit and select any three from the remaining units.

INF60007	Business Information Systems (core unit)
INF70005	Strategic Project Management
INF70008	Business Analytics and Visualisation
INF80014	Contemporary Issues in Business Analysis
INF80042	Governing Technology for Business Environments

Digital Marketing

Select any four of the following units.

MKT60011	Data Empowered Marketing
MKT60012	Consumer Behaviour
MKT70017	Global Digital Marketing
MKT70019	Branding and Creative Innovation
MKT80015	Marketing Communications Agency

Entrepreneurship and Innovation

Develop an entrepreneurial mindset and specialist skills needed to lead and manage the process of innovation, business startups, and high growth through rapid change. Complete the core unit and select any three from the remaining list of units.

ENT60009	Opportunity Discovery, Creativity and Design (core unit)
ENT70012	Growth Management
ENT70018	Entrepreneurial Mindset, New Ventures and Innovation
ENT70019	Venture Planning
PRM60001	Project Management in Entrepreneurial Ventures

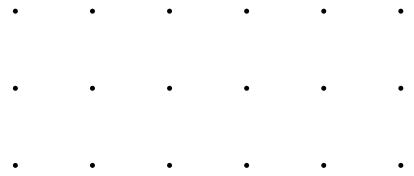
Finance

Select any four of the following units.

FIN80005	Corporate Financial Management
FIN60003	Business Modelling and Analysis
FIN60010	Elements of Financial Planning and Regulation
FIN80001	Modern Finance
FIN80004	Capital Markets
FIN80018	Derivatives and Risk Management



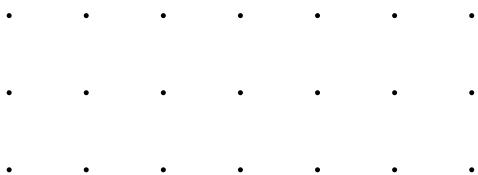
Master of Financial Technologies Specialisations



Human Resource Management

Complete the core unit and select any three from the remaining list of units.

- _____
- HRM60013 Employee Relations
- _____
- HRM60018 Human Resource Fundamentals (core unit)
- _____
- HRM70006 Strategic HRM in the Business Context
- _____
- HRM70012 Managing Workplace Diversity and Inclusion
- _____
- HRM70013 Strategic Human Resource Management
- _____
- HRM80015 Human Capital Analytics
- _____



International Business

Students may have the opportunity to select a Business Innovation study tour to Europe, Asia or America, or add an international internship to their studies. Students must select up to four units. NOTE: some units are equal to 25cps.

- _____
- BUS70013 Business Innovation in Europe Study Tour
- _____
- BUS70014 Business Innovation in America Study Tour
- _____
- BUS70015 Business Innovation in Asia Study Tour
- _____
- HRM70012 Managing Workplace Diversity and Inclusion
- _____
- INB60003 International Trade and Investment
- _____
- INB60004 Global Business Cultures: Advanced Theories and Practices
- _____
- MFP80002 International Internship
- _____
- MFP80004 International Internship – Extended
- _____
- SCM60003 Supply Chain Management
- _____

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Project Management

Students to complete the core unit and then select any three from the remaining list of units.

- INF70005 Strategic Project Management (core unit)
- PRM60002 Project Management for Innovative Outcomes
- PRM60003 The Risk Management Spectrum
- PRM70002 Leading Complex Projects
- PRM80002 Project Governance and Resource Management
- SCM60001 Operations Management

Research

Conduct practical research in a business area of interest to you. Complete the core units and select one additional unit.

- BUS80003 Research Methodology (core unit)
- BUS80021 Business Research Thesis (25 credit points) (core unit)
- BUS80017 Quantitative Research Methods
- BUS80018 Qualitative Research Methods
- ECO80002 Advanced Microeconomics
- ECO80003 Economics of Innovation
- INF80054 Data Science Fundamentals
- INF80055 Social Network Analysis

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"I wanted to progress to a different area within banking, hence I needed to upskill myself. Being able to connect with different people from different industries was also really exciting. During the course, I've even managed to acquire life mentors."

Supply Chain Innovation

This specialisation uniquely combines supply chain management, design thinking and data analytics. Plus, you could add a Lean Six Sigma Green Belt to your qualifications. Most units are co-created and, in some cases, co-delivered with industry partners. Choose four units.

- INF70008 Business Analytics and Visualisation
- SCM60002 Six Sigma Lean Green Belt
- SCM60003 Supply Chain Management
- SCM60004 Logistics Management
- PRM60002 Project Management for Innovative Outcomes
- SCM60001 Operations Management

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Min Lim Shueh
Master of Financial Technologies



CAMPUSES

Hawthorn campus

John Street, Hawthorn

Croydon campus

12-50 Norton Road, Croydon


Wantirna campus


Stud Road, Wantirna

Sarawak campus


Kuching, Sarawak, Malaysia

FURTHER INFORMATION

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 swinburne.edu.au/agse

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 youtube.com/swinburne

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PLEASE
RECYCLE

The information provided here was correct at the time of printing (November 2021).
For the most up-to-date information, please visit swinburne.edu.au