



MELBOURNE
BUSINESS
SCHOOL

PROFESSIONAL CERTIFICATE IN SUPPLY CHAIN MANAGEMENT

The demand for qualified professionals in supply chain is growing fast in Australia and globally (JobOutlook 2019). The goal of the Professional Certificate in Supply Chain Management is to equip you with the toolkit you need to either move into the supply chain and logistics field or accelerate your career trajectory in the sector.

Why study supply chain at the University of Melbourne?

- › **Technology and data:** Our academic experts will be sharing with you the technology choices, current innovations and data-driven network design solutions required to lead in supply chain.
- › **Learn from leaders in the field:** You'll learn from leading academics, many with established industry connections and experience.
- › **100% online:** Benefit from a world-class education delivered straight to you.
- › **Insendi learning platform:** Designed specifically for professionals studying business school programs which encourages discussion and active learning.

What is it about?

The Professional Certificate in Supply Chain Management is a four-subject introduction to the important and ever-evolving area of supply chain.

The aim of the Professional Certificate is to provide you with a core foundation to the supply chain discipline now and into the future. You'll learn about how to set up supply chains and operate them for maximum efficiency plus value creation within the supply chain, including the challenges and decisions around technology, procurement and culture.

The Professional Certificate is offered as part of the **Future of Management Education Online** alliance. **Single subject study** is also available through the Community Access Program (CAP).

Our leading learning platform

Learning platforms are a key factor in your learning experience, which is why Melbourne has invested in Insendi, an online learning platform designed specifically for business education and for busy professionals.

Insendi is challenging the online business education space by asking universities to reconsider how they teach online. The platform is built around your interactions with the content and with other learners, so studying also becomes about growing your professional network. Our approach in using the Insendi platform has been to divide the subject into small segments, as little as 5 minutes or up to 1 hour and consider what the optimal activity could be for you to achieve your learning outcome.



#1 in Australia
#26 Globally
for Business & Management

QS World University Rankings by Subject 2020

- › 6 months part time
- › 100% Online
- › 2020–2021 application closing dates:
14 September (start 5 October), 2020
11 January (start 25 January), 2021

Where Will This Take Me?

On completion of the Professional Certificate in Supply Chain Management you'll be able to:

- › Make recommendations about designing efficient supply chains
- › Help organisations address contemporary challenges and take advantage of the latest technologies
- › Analyse existing supply chain operations to improve competitive advantage and work toward the triple bottom line
- › Explain the nuance and complexities of supply chain challenges to key decision makers

Pathways

The Professional Certificate in Supply Chain Management offers a pathway into Melbourne Business School's Master of Supply Chain Management. You will be eligible to receive up to two-subjects of credit into the degree, an 18-month, intensive, module-based degree taught in Carlton, Melbourne and will be available online from 2021.

Course structure

The program is made up of four compulsory subjects listed below. There are no prerequisites and you can take the subjects in any order.

Each subject is a total of 6.25 credit points and you'll need to complete 25 points to complete the Professional Certificate.

Supply Chain Challenges & Opportunities (MGMT90257)

This subject is focused on the foundational elements of supply chain elements, including the fundamental value creation potential of supply chain coordination and integration, and how it manifests in various industries. It will also cover the topics of 'push' versus 'pull' supply chain designs, efficient versus responsive supply, and supply chain strategic fit with organisational objectives. Additional topics will be the value of information in supply chain designs and operations, and international supply chains of culture, relationships and working conditions, including modern slavery in global supply circumstances. Supply chain transparency will be examined as a core property of effectiveness.

Supply Chain Frameworks (MGMT90256)

Topics will include the core elements of supply chain analysis, beginning with models for analysing purchasing, procurement and supplier evaluation. Inventory management will be treated as a core element of supply chain management, lending itself to useful models. Modelling of logistics and transport networks will be covered, with the aim normally being to achieve lowest cost solutions while at specified service levels. Additional topics to be covered are models of sustainability in supply chains and risk management within supply contexts. Case studies will be used to apply all these topics in practical settings.

Designing Supply Chains (MGMT90255)

This subject is focused on the core elements of supply chain designs, including capacity, technology, facility location, coordination and the achievement of quality, flexibility and cost management. It will include treatment of the trade-offs and synergies between performance outcomes of cost, quality, delivery performance, flexibility and innovativeness, and the sustainability of supply chain design choices. It will cover the advanced technology choices associated with supply chain network design, and the international location and sourcing decisions, of offshoring and reshoring. Current opportunities of undertaking innovations in supply chain choices will be examined and evaluated.

Supply Chain Analytics (MGMT90258)

This subject is focused on data-driven supply chain management decisions, including data requirements for effective sourcing and procurement. Key topics will include economic order quantity and other inventory management approaches, news-vendor models, bullwhip supply models, and the use of demand forecasting approaches. Supply and demand matching will be treated using pricing, overbooking and omnichannel supply strategies. Applications will include humanitarian supply chains and health care supply.

Associate Professor William Ho
Program Director



"Our Professional Certificate in Supply Chain Management covers core and contemporary topics and is designed to enhance your learning experience. We have embedded numerous real-world case studies across the globe, videos interviewing supply chain experts and scholars, together with consultancy and research findings from the teaching team into our course.

The subjects covered help you to understand the real-world applications, and more importantly, inspire you to manage and improve supply chains effectively and efficiently. Throughout the online study journey, you will be fully supported by our well-qualified and responsive teaching team."

Apply now

In order to be considered for entry, applicants must have completed:

- › an undergraduate degree or equivalent; or,
- › professional experience of at least 5 years of full-time documented relevant work experience.

Apply online at:

study.unimelb.edu.au/find/courses/graduate/professional-certificate-in-supply-chain-management/how-to-apply/

For more information

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