BizCare

NUS BIZCARE PRESENTS

OCSM (Operations and Supply Chain Management)

SPECIALISATION GUIDE



VISIT TINYURL.COM/NUSBIZCARE FOR MORE DETAILS!

TABLE OF CONTENTS

01 What It Entails

02 Courses

03 Popular Double Specialisations

04 Words of Advice



OCSM SPECIALISATION

WHAT IT ENTAILS

Operations and Supply Chain Management focuses on improving the systematic efficiency of performing the diverse functions of any organisation, by integrating technology management and enterprise analytics. Operations objectives include higher operating profits, quality assurance, and sustainability. Supply Chain managers focus on optimising activities, costs, revenues and profits throughout the various stages of a supply chain to benefit the various stakeholders. Some key areas of supply chain management include Demand Planning, Procurement, Production and Logistics.

Students who have a keen interest about how things work in a firm and are curious about how to increase efficiency in a company will find their questions answered in this specialisation, in terms of data analytics in volume! Look forward in picking up skills such as process and resource optimization, inventory management, project management and more in this specialisation.

SKILLS THAT YOU MAY BE EXPOSED TO

HARD SKILLS:

A Willingness to work with Excel, numbers and data! Python, VBA ERP systems (helpful for work in the industry) Six sigma and lean methodology (helpful for work in the industry) Business Intelligence tools (e.g. Tableau, PowerBI, SQL)

SOFT SKILLS:

Strong negotiation and communicating skills as you will be working with many different stakeholders to achieve business success!

CCA

Business Analytics Consulting Team (for technically inclined



OCSM SPECIALISATION

Courses

Compulsory core courses in order to specialise in OCSM:

DOS3701: Supply Chain Management
DOS3703: Service Operations Management
DOS3704: Operations Strategy
MNO2705: Leadership and Decision-Making under Uncertainty
BSP4701: Strategic Management

Students are then required to choose another 2 more 3K and 4K courses to complete the specialisation. **Below are some senior recommendations**:

- **DBA3701 Introduction To Optimisation**
  (Taught in Python and mathematically inclined)
- **DBA3711 Stochastic Models in Management**:
  (Taught in Python and mathematically inclined)
- **DOS3702 Procurement Management**:
  Qualitative/quantitative depending on semester
- **DOS3714 Sustainable Operations Management**:
  Qualitative
- **DOS3811 Technology and Business Innovation:**
  Qualitative



Do check out the link attached to read up on the review for the respective courses!

Course Reviews

OCSM SPECIALISATION

POPULAR MINORS/DOUBLE MAJORS

Finance

- Applicable to the valuation of operations-related investments. (e.g. investments in manufacturing capacity/technology). It is also relevant to procurement and cost minimisation of a business.

Business Analytics

- Generates business insights from data to make better business decisions (descriptive, predictive, prescriptive), which can help with inventory management, forecasting and other operating functions.

Marketing

- provides the demand-generating/revenue-generating view which synergises with cost to affect profit margins.



WORDS OF ADVICE!

CAREER PATHWAYS

OSCM offers you multiple pathways to work in many different industries!

Fast Moving Consumer Goods

- Understanding the supply chain inside out – from sourcing, deciding on suppliers, negotiating, production scheduling, inventory management
- Eg: P&G, Johnson-Johnson

Logistics management

- Working with different stakeholders to find out about their logistical and operational needs, and how such services can complement and accelerate the supply chain process
- Eg: DHL, UPS, Nippon Express, Ninjavan

Technological and software enterprises

- Facilitating and optimising resource planning strategies for businesses to ensure efficiency
- Eg: SAP, Oracle, Workday

JOB PROSPECTS

Potential roles and jobs within this specialisation:

Plant, Operation Managers

- Ensuring that plants can run efficiently on a day-to-day basis and staffs' productivity levels are maximised

Procurement Leads

- Managing products and buy-in from stakeholders, and decommissioning of products during the end of its shelf life

Supply Chain Analyst

- Oversee end-to-end supply chain processes Tracking, optimising and developing solutions to improve efficiency

WORDS OF ADVICE!

Internship opportunities for Y1 and Y2 students

Intern at a **startup first (smaller companies) as it is easier**. When working at smaller company, there are lower barriers to entry, so one can explore more positions to find their fit. You could have a large impact on that company, allowing you to use that impact to get into bigger companies. (Marginal benefit enjoyed by smaller company is LARGER.) Alternatively, talk to professors, as they have contacts/networks (they may look for RAs for you, can write recommendations for you, etc).

Students can also **attend 'tea-sessions'** by companies as publicised through their NUS emails. Going out of your way to talk to people and get their linkedin. Some internships can also come to find you.



Follow us!

Linkedin: NUS Business Career Development Committee

Instagram: @nusbizcare