

# OPERATIONS, INFORMATION & DECISIONS: OPERATIONS MANAGEMENT/MANAGEMENT SCIENCE TRACK, BS

The Operations Management / Management Science track addresses central issues necessary to understand production and service operations in today's global economy. This program provides a rigorous foundation for immediate careers in consulting and analytic strategy support for companies, as well as future graduate studies in economics and business. The courses allow students to build a fundamental understanding of the tradeoffs to consider when managing the development of products and services, as well as the operations used to produce them and fulfill customer requirements.

The need to effectively manage the production of goods and services has also sparked the development of a number of useful mathematical tools. Besides their direct application to operational problems, these management science techniques have been broadly applied to a wide variety of other economic activities, from the pricing of financial instruments to decisions concerning markdown policies in retailing.

**For more information:** <https://oid.wharton.upenn.edu/programs/undergraduate/operations-management-management-science-track/>

## Operations, Information & Decisions - Operations Management/Management Science Track

Code	Title	Course Units
OIDD 2200 or OIDD 3210	Operations Management Analytics Introduction to Management Science	1
Complete three course units of Operations Management/ Management Science electives		3
OIDD 2200	Operations Management Analytics	
OIDD 2210	Optimization and Analytics	
OIDD 2360	Scaling Operations in Technology Ventures: Linking Strategy and Execution	
OIDD 3530	Mathematical Modeling and its Application in Finance	
OIDD 3800	Operations Strategy Practicum	
OIDD 4150	Product Design	
Other Wharton Requirements		33
<b>Total Course Units</b>		<b>37</b>

## Other Wharton Requirements

Code	Title	Course Units
<b>First-Year Foundations</b>		
BEPP 1000	Introductory Economics for Business Students <sup>1</sup>	1
MATH 1400 or MATH 1100	Calculus, Part I Calculus for Wharton Students	1

<b>Writing</b>		
Critical Writing Seminar		1
<b>Business</b>		
<i>Business Breadth (non-concentration courses)</i>		3
<i>Leadership Journey</i>		
WH 1010	Business and You	0.5
WH 2010	Business Communication for Impact	0.5
MGMT 3010	Teamwork and Interpersonal Influence	0.5
Capstone Course/Project		0.5
<i>Fundamentals</i>		
ACCT 1010	Accounting and Financial Reporting	1
ACCT 1020	Strategic Cost Analysis	1
BEPP 2500	Managerial Economics	1
FNCE 1000	Corporate Finance	1
FNCE 1010	Monetary Economics and the Global Economy	1
LGST 1000 or LGST 1010	Ethics and Social Responsibility Law and Social Values	1
MKTG 1010	Introduction to Marketing	1
OIDD 1010	An Introduction to Operations, Information and Decisions	1
STAT 1010	Introductory Business Statistics	1
STAT 1020	Introductory Business Statistics	1
<i>Global Economy, Business &amp; Society</i>		
One course unit required		1
<i>Technology, Innovation &amp; Analytics</i>		
One course unit required		1
<b>Liberal Arts &amp; Sciences</b>		
<i>Foreign Language</i>		
Second semester-level course or equivalent required		1
<i>Humanities</i>		
At least one course unit required		1
<i>Natural Science, Math &amp; Engineering</i>		
At least one course unit required		1
<i>Social Science</i>		
At least one course unit required		1
<i>Cross-Cultural Perspectives</i>		
Three course units required <sup>2</sup>		3
<b>Unrestricted Electives</b>		
Five course units required		5
<b>Total Course Units</b>		<b>33</b>

<sup>1</sup> For students who take ECON 0100 Introduction to Micro Economics and ECON 0200 Introductory Economics: Macro in place of BEPP 1000 Introductory Economics for Business Students of these courses can be slotted for BEPP 1000 on the worksheet. The second course may be used to fulfill a General Education Distribution or Unrestricted Elective requirement.

<sup>2</sup> Two can double-count as Humanities; Natural Science, Math & Engineering; Social Science; or Flex Gen Ed.

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2024 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.

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