MASTER OF BUSINESS AND TECHNOLOGY (MBT)

PURDUE UNIVERSITY®

Mitch Daniels School of Business

12 MONTH

36 TOTAL REQUIRED CREDITS

FIRST SEMESTER
Fall

COURSE TITLE	CREDITS
MOD 1	
MGMT 60100 Accounting for Managers	2
MGMT 59000 Computational Business Intelligence	2
MGMT 62000 Marketing Management	2
MGMT 68000 Economic Analysis of Technology Markets	2
MGMT 69000 Industry Experience Prep	1
MOD 2	
MGMT 68200 Digital Product Design	2
MGMT 68300 Technology-Driven Business	2
MGMT 59000 DevOps and Technology Solutions	2
MGMT 61000 Financial Management	1
Elective	2

SECOND SEMESTER
Spring

COURSE TITLE	CREDITS
MOD 3	
MGMT 65730 Technology Strategy	2
MGMT 59000 Emerging Technologies and Business Models	2
Elective	2
Elective	2
MOD 4	
MGMT 59000 Technology Governance and Regulations	2
MGMT 65430 Negotiations In Organizations	1
MGMT 65420 Leadership	1
Elective	2
Elective	2

THIRD SEMESTER
Summer

COURSE TITLE	CREDITS
MGMT 69000 Capstone/Industry Experience	2
Internship (required for students without 2 or more years of experience)	

MASTER OF BUSINESS AND TECHNOLOGY (MBT)

PURDUE UNIVERSITY®

Mitch Daniels School of Business

18 MONTH

36 TOTAL REQUIRED CREDITS

FIRST SEMESTER
Fall

COURSE TITLE	CREDITS
MOD 1	
MGMT 60100 Accounting for Managers	2
MGMT 59000 Computational Business Intelligence	2
MGMT 68000 Economic Analysis of Technology Markets	2
MGMT 69000 Industry Experience Prep	1
MOD 2	
MGMT 68200 Digital Product Design	2
MGMT 68300 Technology-Driven Business	2
MGMT 59000 DevOps and Technology Solutions	2

SECOND SEMESTER
Spring

COURSE TITLE	CREDITS
MOD 3	
MGMT 65730 Technology Strategy	2
MGMT 59000 Emerging Technologies and Business Models	2
Elective	2
Elective	2
MOD 4	
MGMT 59000 Technology Governance and Regulations	2
MGMT 65430 Negotiations In Organizations	1
MGMT 65420 Leadership	1
Elective	2

THIRD SEMESTER
Summer

COURSE TITLE	CREDITS
MGMT 69000 Capstone/Industry Experience	2
Internship (required for students without 2 or more years of experience)	

FOURTH SEMESTER
Fall

COURSE TITLE	CREDITS
MOD 1	
MGMT 62000 Marketing Management	2
Elective	2
MOD 2	
MGMT 61000 Financial Management	1
Elective	2

MASTER OF BUSINESS AND TECHNOLOGY (MBT)

MBT concentrations are both flexible and optional. Students may take 10 credits in elective graduate courses from any college at Purdue. As such, students have the freedom to tailor their experience to a specific area of interest. Earning an MBT concentration would deepen a student's knowledge in a given field; however, students are welcome to blend elective courses in consultation with their advisors and faculty.

ROBOTICS AND AUTOMATION
- MGMT 56000 Manufacturing Planning and Control
- MGMT 56200 Project Management
- IE 57700 Human Factors in Engineering
- CE 59700 Machine Learning and Artificial Intelligence for Autonomous Vehicle Operations
- ECE 57000 Artificial Intelligence
- ME 59700 Autonomous Systems
- ME 59700 Industrial IoT Implementation for Smart Manufacturing
- ECE 56900 Introduction to Robotic Systems
- CS 59200-HRI Human-Robot Interaction
- Econ 51000 Applied Game Theory

COMPUTATIONAL FINANCE
- MGMT 64700 Financial Engineering
- MGMT 64200 Portfolio Management
- CS 51400 Numerical Analysis
- MGMT 59000 Analyzing Unstructured Data
- MGMT 64100 Options and Futures
- MGMT 69000 Fintech
- Econ 57300 Financial Econometrics
- Econ 57400 Microeconometrics
- Econ 59000 Quantitative Economics with Python
- Econ 59000 Statistical & Machine Learning
- CS 57800 Statistical Machine Learning
- MGMT 59000 Machine Learning
- ECE 59500 Introduction to Deep Learning
- ECE 50024 Machine Learning
- MGMT 61400 Investments

TECHNOLOGY COMMERCIALIZATION
- MGMT 65200 Entrepreneurship
- MGMT 59000 Financing New Ventures
- MGMT 65500 Competitive Strategy
- MGMT 63800 Pricing Strategy & Analysis
- MGMT 69000 ELI Corporate Consulting
- Econ 59000 Economics of Innovation and Technology
- MGMT 64400 Venture Capital and Investment Banking

AI INNOVATIONS
- MGMT 58100 Big Data Technologies
- MGMT 58200 Management of Organizational Data
- MGMT 59000 Visual Analytics
- MGMT 59000 Advanced Database
- MGMT 59000 Analyzing Unstructured Data
- MGMT 68700 AI for Business Decisions
- MGMT 59000 Analytics & AI On The Cloud
- Econ 59000 Statistical & Machine Learning
- MGMT 59000 Machine Learning
- MGMT 57300 Optimization Modeling with Spreadsheets
- MGMT 57100 Data Mining
- CS 57100 Artificial Intelligence
- CS 57800 Statistical Machine Learning
- CS 59000 Reinforcement Learning
- ECE 59500 Introduction to Deep Learning
- ECE 50024 Machine Learning
- CS 57300 Data Mining