

Master of Business Administration (MBA)

Degree Type

M.B.A.

WPI's MBA program is aimed at STEM professionals seeking the skills to strategically lead organizations. The curriculum features a 5-course core covering the business disciplines in the context of tech-driven environments; an integrative STEM course; a 3-course tech management specialization; 2 customizable electives; and a capstone course.

MBA Options

The MBA is available fully online via a mix of asynchronous and optional synchronous deliveries. Some MBA courses are also available on campus. The full MBA cannot be completed entirely on campus.

Required Courses (5 courses)

Item #	Title	Credits
FIN 500	Financial Management	3
MIS 584	Business Intelligence	3
MKT 500	Marketing Strategy	3
OBC 506	Leadership	3
OIE 501	Operations Management	3

MBA Specialty (3 courses)

Item #	Title	Credits
	Specialty in Advanced Business Analytics Methods	
	Specialty in Advanced Operations Analytics	
	Specialty in Applied Analytics	
	Specialty in Brand, Products, and Consumers	
	Specialty in Business Analytics	
	Specialty in Data Analytics	
	Specialty in Digital Transformation	
	Specialty in Entrepreneurship	
	Specialty in Information Systems Design	
	Specialty in Information Technology	
	Specialty in Information Technology User Experience	
	Specialty in Marketing Analytics	
	Specialty in Operational Excellence	
	Specialty in Operations Analytics	
	Specialty in Organizing and Managing Innovation	
	Specialty in Product Management	
	Specialty in Project Management	
	Specialty in Supply Chain Management	
	Specialty in System Design for IUX	

Elective Courses (2 courses)

Must be Business School courses

Integrative STEM Course (1 course)

Item #	Title	Credits
BUS 590	Strategic Management	3

Capstone (1 course)

Item #	Title	Credits
BUS 599	Capstone Project	3

Specialty in Advanced Business Analytics Methods

Item #	Title	Credits
MIS 587	Business Applications in Machine Learning	3
MKT 562	Marketing Research	3
OIE 559	Advanced Prescriptive Analytics: From Data to Impact	3

Specialty in Advanced Operations Analytics

Select three of the following courses:

Item #	Title	Credits
OIE 542	Risk Management and Decision Analysis	3
OIE 548	Performance Analytics	3
OIE 559	Advanced Prescriptive Analytics: From Data to Impact	3

*Students may instead select one of MIS 587, MKT 562, or MKT 566 with department approval

Specialty in Applied Analytics

Select three of the following courses:

Item #	Title	Credits
MIS 502	Data Management for Analytics	3
MIS 584	Business Intelligence	3
MIS 587	Business Applications in Machine Learning	3
OIE 559	Advanced Prescriptive Analytics: From Data to Impact	3
DS 501	Introduction to Data Science	3
DS 502/MA 543	Statistical Methods for Data Science	3

*MA 511 can be substituted for DS 502/MA 543

Specialty in Brand, Products, and Consumers

Select three of the following courses:

Item #	Title	Credits
MKT 500	Marketing Strategy	3
MKT 561	Consumer Behavior and Analytics	3
MKT 562	Marketing Research	3
MKT 565	Digital and Social Media Marketing	3
MKT 568	Marketing Analytics	3
MKT 569	Product Management	3

Specialty in Business Analytics

Item #	Title	Credits
MIS 502	Data Management for Analytics	3
MIS 584	Business Intelligence	3
OIE 552	Modeling and Optimizing Processes	3

Specialty in Data Analytics

Item #	Title	Credits
MIS 587	Business Applications in Machine Learning	3
MKT 568	Marketing Analytics	3

Select one of the following courses:

Item #	Title	Credits
MKT 562	Marketing Research	3
MKT 565	Digital and Social Media Marketing	3

Specialty in Digital Transformation

Item #	Title	Credits
MIS 500	Innovating with Information Systems	3

Select one of the following:

Item #	Title	Credits
OIE 501	Operations Management	3
OIE 544	Supply Chain Analysis and Design	3
OIE 558	Designing and Managing Lean Six Sigma Processes	3

Select one of the following:

Item #	Title	Credits
MIS 576	Project Management	3
OBC 533	Negotiations	3
OIE 558	Designing and Managing Lean Six Sigma Processes	3
OBC 537	Leading Change	3

Specialty in Entrepreneurship

Item #	Title	Credits
ETR 500	Entrepreneurship and Innovation	3

Choose two of the following courses:

Item #	Title	Credits
BUS 500	Business Law, Ethics and Social Responsibility	3
BUS 546	Managing Technological Innovation	3
ETR 596	Selling and Sales	3
ETR 593	Technology Commercialization	3

Specialty in Information Systems Design

Item #	Title	Credits
MIS 571	Database Applications Design and Development	3
MIS 582	Information Security Management	3
MIS 585	User Experience Design	3

Specialty in Information Technology

Item #	Title	Credits
MIS 502	Data Management for Analytics	3
MIS 581	Policy and Strategy for Information Technology and Analytics	3
MIS 584	Business Intelligence	3

Specialty in Information Technology User Experience

Item #	Title	Credits
MIS 583	User Experience Applications	3
MIS 586	User Experience Methods	3
MKT 561	Consumer Behavior and Analytics	3

Specialty in Marketing Analytics

Item #	Title	Credits
MKT 568	Marketing Analytics	3

Select two of the following courses:

Item #	Title	Credits
MKT 500	Marketing Strategy	3
MKT 561	Consumer Behavior and Analytics	3
MKT 565	Digital and Social Media Marketing	3

Specialty in Operational Excellence

Choose one course from:

Item #	Title	Credits
OIE 554	Global Operations Strategy	3
OIE 558	Designing and Managing Lean Six Sigma Processes	3

Choose two courses from:

Item #	Title	Credits
FIN 500	Financial Management	3
MIS 576	Project Management	3
OBC 537	Leading Change	3
OIE 554	Global Operations Strategy	3
OIE 558	Designing and Managing Lean Six Sigma Processes	3

Specialty in Operations Analytics

Select three of the following courses:

Item #	Title	Credits
OIE 501	Operations Management	3
OIE 542	Risk Management and Decision Analysis	3
OIE 544	Supply Chain Analysis and Design	3
OIE 548	Performance Analytics	3
OIE 558	Designing and Managing Lean Six Sigma Processes	3

Specialty in Organizing and Managing Innovation

Select three of the following courses:

Item #	Title	Credits
BUS 546	Managing Technological Innovation	3
ETR 500	Entrepreneurship and Innovation	3
ETR 593	Technology Commercialization	3
FIN 500	Financial Management	3
MIS 576	Project Management	3
OBC 505	Teaming and Organizing for Innovation	3
OBC 533	Negotiations	3
OBC 537	Leading Change	3

Specialty in Product Management

Item #	Title	Credits
MKT 569	Product Management	3

Choose two of the following courses:

Item #	Title	Credits
BUS 546	Managing Technological Innovation	3
ETR 593	Technology Commercialization	3
MIS 576	Project Management	3
MIS 583	User Experience Applications	3
MIS 585	User Experience Design	3
MKT 565	Digital and Social Media Marketing	3
OBC 535	Managing Creativity in Knowledge Intensive Organizations	3
OBC 533	Negotiations	3
OBC 505	Teaming and Organizing for Innovation	3

Specialty in Project Management

Item #	Title	Credits
MIS 576	Project Management	3

Select two of the following:

Item #	Title	Credits
BUS 546	Managing Technological Innovation	3
OBC 537	Leading Change	3
OBC 535	Managing Creativity in Knowledge Intensive Organizations	3
OBC 533	Negotiations	3
OBC 505	Teaming and Organizing for Innovation	3

Specialty in Supply Chain Management

Choose one course from:

Item #	Title	Credits
OIE 553	Global Purchasing and Logistics	3
OIE 549	Sustainable Supply Chain and Operations Management	3

Choose two courses from:

Item #	Title	Credits
MKT 561	Consumer Behavior and Analytics	3
OBC 533	Negotiations	3
OIE 553	Global Purchasing and Logistics	3
OIE 548	Performance Analytics	3
OIE 549	Sustainable Supply Chain and Operations Management	3

Specialty in System Design for IUX

Select three of the following courses:

Item #	Title	Credits
MIS 500	Innovating with Information Systems	3
MIS 571	Database Applications Design and Development	3
MIS 582	Information Security Management	3
IMGD 5000	IMGD Studio	3
IMGD 5300	Design of Interactive Experiences	3
RBE 526/CS 526	Human-Robot Interaction	3
RBE 595	Special Topics	2-3
WR 593	Special Topics in Writing and Communication	3