

100% ONLINE

MS IN IT PROJECT MANAGEMENT

Purdue's MS in IT Project Management is designed to meet industry/business requirements in this dynamic field. Learn tools and techniques you can apply to every phase of the project life cycle. This 100% online program features material included in the Body of Knowledge developed by the Project Management Institute (PMI®) —including requirements discovery and management, schedule development and management, portfolio management, and management of outsourced resources.

The curriculum enhances your knowledge in the areas of scope, time, cost, communications, and risk management. Improve your project management and business strategy skills needed to help your organization achieve its strategic goals. Concepts gained with this degree include quality, communication, critical thinking, and implementing, monitoring, & controlling project plans. Apply the acquired knowledge gained to successfully pass the Project Management Professional (PMP) Certification exam.

As a 100% online MS program, you can get your degree at your own pace, from anywhere in the world, choosing times for class work and study that fit your lifestyle. Courses are offered in an eight-week format for greater flexibility, so you can complete the required 34 credit hours (30 if you're already PMP certified) in 12 months to 5 years.



PLAN OF STUDY

The MS in IT Project Management courses are offered on a rolling format, 100% online, that lets you progress through the program at your own pace. Courses are offered in an eight-week format for greater flexibility, so you can complete the required 34 credit hours (30 if you're already PMI certified) in 12 months to 5 years.

The plan of study serves as a contract between you, your advisory committee, and Purdue University's Graduate School. Your POS is a blueprint for successful completion of your degree requirements.



Polytechnic Institute

onlineadmissions@purdue.edu | <https://purdue.link/online-msitpm> | 765-496-0990

100% ONLINE

COURSE OVERVIEW

COURSES	CREDITS
<i>CNIT 55100 EPM - IT Economics</i>	3
<i>CNIT 55200 PME - IT Project Management</i>	3
<i>CNIT 55300 QMX - IT Quality Management</i>	3
<i>CNIT 58000 ATP - Advanced Topics in IT Project Management</i>	3
<i>CNIT 58100 ITS - IT Security Management</i>	1
<i>CNIT 58100 PLE - IT Policy, Law, and Ethics</i>	3
<i>CNIT 58100 PMP - Project Management Professional (PMP) Certification Prep</i>	1
<i>CNIT 58100 PRC - Professional Research & Communication</i>	1
<i>CNIT 58100 PRM - Risk Management</i>	1
<i>CNIT 58200 EST - IT Estimating-Scheduling-Control</i>	3
<i>CNIT 58300 PPM - IT Program and Portfolio Management</i>	3
<i>CNIT 58500 PCM - Organizational Change Management for IT Projects</i>	3
<i>CNIT 58600 RMP - IT Requirements Management</i>	3
<i>OLS 58000 - Interpersonal & Group Skills for Leaders</i>	3

REQUIRED COURSE

CNIT 55200 PME - IT Project Management

Understand the application of a project management framework, select and apply the best practices, learn the necessary artifacts to initiate, plan, execute, control and close projects. Effective use of PM tools to manage projects. (3 credits)

ELECTIVE COURSES

CNIT 55100 EPM - IT Economics

Develop an understanding of contracts and the management of contractors and subcontractors. Gain the tools to effectively understand and use IT economic work products and select best practices in contract management and IT economics, leading to effective decision making. (3 credits)

CNIT 55300 QMX - IT Quality Management

Understand maturity models such as CMMI and OPM3; quality assurance and its control and application; quality improvement methods and techniques such as Six Sigma, TQM and CPI; and application of quality management work products. Develop the ability to select and apply best practices and tools in quality management. (3 credits)

CNIT 58000 ATP - Advanced Topics in IT Project Management

Covers effective management of global and troubled projects. Understand importance of cultural awareness and diversity and contemporary issues that affect project management. Learn about the effective use of social media in project management. Select and apply best practices in virtual teaming. (3 credits)



Polytechnic Institute

onlineadmissions@purdue.edu | <https://purdue.link/online-msitpm> | 765-496-0990

100% ONLINE

CNIT 58200 EST - IT Estimating-Scheduling-Control

Learn how to build a better business case, effectively using sound estimating strategies. Effectively perform cost management and develop project schedules using advanced project management techniques. Develop the ability to select and apply best practices for project estimating, scheduling and control. (3 credits)

CNIT 58100 ITS - IT Security Management

Understand current security technologies and the different types of security (operating system, network, database and information). Learn to develop and manage security policies and procedures and understand cryptographic and biometric security methods. Discuss computer crime and the importance of incident reporting and security auditing and training. (1 credit)

CNIT 58100 PLE - IT Policy, Law, and Ethics

This is a review and explanation of current legislation affecting IT and a discussion of Green IT. Studies on IP, copyrights, policy statements, and employee and organizational liability. Emphasis on ethics and privacy issues. (3 credits)

CNIT 58100 PRC - Professional Research & Communication

Develop the ability to select and apply best practices in researching technical information, writing project-related documents and creating effective presentations. (1 credit)

CNIT 58100 PRM - Risk Management

Learn to understand and apply qualitative and quantitative risk management techniques and perform risk-based simulations. Understand disaster planning and business continuity and develop techniques to effectively accomplish both. (1 credit)

CNIT 58100 PMP - Project Management Professional (PMP) Certification Prep

Understand PMI's PMBOK and prepare for taking PMI's PMP certification. (1 credit)

CNIT 58600 RMP - IT Requirements Management

Explore the requirements management lifecycle. Develop abilities to elicit and document user requirements in a manner to assure project success. Understand the processes of requirements validation, verification and traceability. Develop a knowledge of requirements management tools for effective use. (3 credits)

OLS 58000 - Interpersonal & Group Skills for Leaders

Develop skills necessary to be a strong leader, including understanding interpersonal behavior, managing conflicts, communication ability in many settings, building relationships in business and family, and problem solving and decision making in group and team processes. Understand the importance of diversity and cultural awareness. (3 credits)

CNIT 58500 PCM - Organizational Change Management for IT Projects

This course provides an overview of aviation financial management and is intended for current and future aviation and aerospace leaders and managers. Taking a global view, the course opens with two sessions on the tremendous economic impact of the aviation sector. Supplementing the on-line content, the course will use relevant readings and case studies as well as statistical data in time series to demonstrate the way financial management has evolved to improve performance in both the airport and airline industries.

CNIT 58300 PPM - IT Program & Portfolio Management

Learn program and portfolio management versus project management. Gain a knowledge of project governance. Understand the project management office (PMO) and strategies for implementation. Understand project management information systems (PMIS). (3 credits)

NOTE: All courses are subject to change and semester availability may vary.



Polytechnic Institute

onlineadmissions@purdue.edu | <https://purdue.link/online-msitpm> | 765-496-0990