Project Management Degree Programs

The Doctor of Business Administration (DBA), Project Management (60-credit)

UMT's DBA is a professional doctoral program intended for scholars, executives and senior managers, and is geared to enable them to achieve the highest level of understanding of organizations and their management processes and to provide them capabilities to function effectively in organizations.

DBA-PM Program Mission statement

UMT's DBA (Project Management) program aspires to enable its students to acquire the analytical capabilities, knowledge and experience to carry out scholarly research and to assume advanced positions in the management of organizations and/or as educators in the management arena. To achieve this goal, it employs a combination of analytical, practical, and research-based approaches that equip its students with a theoretical, philosophical, and real-world grasp of business management principles and practices, with special focus on the management of projects, programs, and portfolios.

DBA-PM Program Learning Objectives

Upon successful completion of the program, *doctoral students* will be able to:

- master knowledge and skills at executive level to identify, investigate and study various constraints facing the project, program and portfolio management and able to highlight the strategic and operational drivers to inform decision making
- have a thorough understanding of the evolution of management thought and employ critical thinking to review the management, economic, political, and technological issues that society faces today, applying those insights in their doctoral research
- employ the highest level of analytical thinking to identify, study and solve problems that arise in the theory and practice of project management
- master key quantitative and qualitative research techniques needed to carry out advanced level assessments that examine project management correlates and reveal how projects can be carried out most effectively
- carry out a project to design, construct and defend a substantial scholarly research effort in the form of a doctoral dissertation in project management

DBA-PM Degree Requirements

1) Complete a minimum of 60 semester credit-hours at the doctoral level.
2) Pursuit of the DBA involves three main components:
   Coursework: Totaling 45 credit-hours, includes core courses, concentration courses, and supporting courses.
   Qualifying and Comprehensive Exams: Students must successfully pass the qualifying and comprehensive exams.
   Dissertation: Totaling 15 credit-hours, includes writing and defending a research proposal and dissertation as a significant scholarly research undertaking. For the DBA oriented toward Project Management, write and defend a dissertation study that focuses on the project management area. Every student who chooses to enter the program must be committed to making a significant contribution to the intellectual knowledge base in the management arena. They may do this in courses, through research, through publications, and by their participation in seminars, colloquia, and professional meetings.
3) Complete required doctoral level courses successfully and maintain an average GPA at 3.3 or above.

DBA Program Core Courses

ECON 800   Economic and Financial Theory (3-credit)
MGT 700   Analytical Techniques in Research (6-credit)
MGT 705   Philosophical Foundations of Knowledge & Research (3-credit)
MGT 710   Evolution of Management Thought (3-credit)

MGT 720   Management as a Behavioral Science (6-credit)*
MGT 805   Business-Government Relations (3-credit)
MGT 839   Leadership and Ethics (3-credit)*
MGT 870   Technology, Innovation, and Entrepreneurship (3-credit)*
*Curriculum in alignment with project management areas

Project Management Concentration Courses
MGT 811   Effective Decision Making that Accounts for Uncertainty, People and Constraints (3-credit)
MGT 850   Managing Programs and Project Portfolios (3-credit)
MGT 864   Managing Global Projects (3-credit)
MGT 991   Directed Readings and Research in Project Management (6-credit)

Project Management Dissertation
DBA students are required to complete 15-credit research work in the field of project management
MGT 998   Special Topics in Research (6-credit)
MGT 999   Dissertation Research (9-credit)

The Master of Science in Management (MSM), Project Management (36-credit)
UMT's program leading to the MSM (Project Management) offers an advanced, graduate degree that targets experienced professionals to acquire knowledge, skills, insights and problem-solving capabilities to handle the challenges of effectively managing complex projects and programs in organizations.

MSM-PM Program Mission statement
UMT's MSM (Project Management) program strives to provide middle managers, mid-level and senior technical personnel and senior managers with the tools, insights, human management and leadership capabilities that will enable them to deal effectively with the project management challenges they encounter in private, public and non-profit enterprises. It does this by helping them achieve mastery of the full range of project management tools and techniques needed to manage individual projects, project portfolios, and major programs. Recognizing that by themselves, tools and techniques are not enough, it pays special attention to developing key soft skills needed to achieve results, including communication skills (both verbal and written), problem-resolution capabilities and the political skills needed to function effectively in dynamic organizations.

MSM-PM Program Learning Objectives
Upon successful completion of the program, students will be able to:
- Identify key strategic drivers that underlie their projects
- Demonstrate their expertise as project planners, particularly in scheduling, budgeting and allocating human and material resources on project, portfolios, and major programs
- Operate as leaders when dealing with teams, customers, internal staff, and their organization's senior managers.
- Implement the steps needed to get lagging projects under control
- Analyze the sources and consequences of the problems they encounter, with a view to resolving them effectively
- Develop both written and verbal communication skills that will greatly strengthen their capacity to work with customers, supervisors, teammates, colleagues, and staff

MSM-PM Degree Requirements
1) Complete 18-credits of core courses of study at the graduate level in management science, including 6-credits in project management.
2) Complete 18-credits of project management concentration courses of study at graduate level, totals 24-credit in project management.
3) Complete required graduate level courses successfully and maintain an average GPA at 3.0 or above.

MSM Program Core Courses
MGT 500 Business Basics (3-credit)
MGT 530 Leadership and Organization (3-credit)*
MGT 560 International Relations (3-credit)
MGT 570 Information technology (3-credit)
MGT 611 Decision Making (3-credit)*
MKT 500 Marketing and Sales (3-credit)
*Curriculum in alignment with project management areas

Project Management Concentration Courses
    COMM 500 Communication and Soft Skills (3-credit)
    MGT 550 Project Management (3-credit)
    MGT 551 Planning and Control (3-credit)
    MGT 552 Project Finance and Budgeting (3-credit)
    MGT 553 Risk and Quality Management (3-credit)
    MGT 554 Contracts and Procurement (3-credit)
    Electives
    MGT 565 International Project Management (3-credit)
    MGT 650 Managing Major Programs (3-credit)

The Master of Business Administration (MBA), Project Management (45-credit)

UMT's program leading to the MBA (Project Management) addresses the needs of two audiences: business people who want to acquire project management skills and insights, because they believe that employment of project management in private and public enterprises yields superior performance, as the work of most businesses is evolving into project work; and project people who desire to strengthen their business management skills and insights, because they recognize that increasingly effective management of projects is built on employing strategy/business capabilities and leadership initiatives (two legs of the project management Talent Triangle).

MBA-PM Program Mission statement

UMT's program leading to the MBA (Project Management) degree aims to provide graduate students with the skills and insights needed to manage complex organizations in today's highly interconnected world, characterized by breakneck advances in technology, market and financial turbulence, continual social, economic and political change – both domestically and globally – and the rise of new global players that are dramatically changing the economic and social fabric that has prevailed for five centuries. The program's principal goal is to contribute to the creation of a new breed of managers who can handle the new challenges and can thrive in an era of disruption. An underlying premise of the degree is that a key to doing this is to master both business management (to attend to the organization's basic functioning) and project management (to manage disruptive forces).

MBA-PM Program Learning Objectives

Upon successful completion of the program, students will be able to:
- Abide by the ethos: "With our understanding of business management and project management, we can handle whatever challenges we encounter."
- Be able to balance the big-picture, strategic perspective with the need to master the details at the operational level
- Oversee, as managers, the full range of capabilities that underlie the successful operations of the business, including solid insights into: finance, marketing, operations, HR, legal, organization, technology management, IT management, general management, and leadership
- Have the project management skills and perspectives that enable them to keep operations running effectively; and then when facing disruptive challenges, to handle them effectively
- Be capable of identifying the risks and opportunities facing their organization and to take action to handle them

MBA-PM Degree Requirements
1) Complete 24-credits of core courses of study at the graduate level in business administration.
2) Complete18-credits of concentration courses of study at the graduate level in project management.
3) Complete a 3-credit capstone course of study in the program.
4) Complete required graduate level courses successfully and maintain an average GPA at 3.0 or above.

MBA Program Core Courses
    ACCT 600 Accounting (3-credit)
    COMM 500 Communication and Soft Skills (3-credit)*
    ECON 500 Economics (3-credit)
    MGT 530 Leadership and Organization (3-credit)*
    MGT 535 Operations, Logistics, and Supply Chain Management (3-credit)*
    MGT 540 Business Law and Ethics (3-credit)*
    MGT 570 Information Technology (3-credit)
    MKT 500 Marketing and Sales (3-credit)
    * Curriculum in alignment with project management areas

Project Management Concentration Courses
    MGT 550 Project Management (3-credit)
    MGT 551 Planning and Control (3-credit)
    MGT 552 Project Finance and Budgeting (3-credit)
    MGT 553 Risk and Quality Management (3-credit)
    MGT 554 Contracts and Procurement (3-credit)
    MGT 611 Decision Making (3-credit)

The Master of Science in Information Technology (MSIT), IT Project Management (36-credit)

UMT's MSIT (IT Project Management) addresses the need among IT professionals to acquire skills and insights that go beyond providing IT solutions that address exclusively technical requirements. The program targets IT professionals who recognize that there is more to delivering IT solutions than installing algorithms that meet technical requirements. They know that to identify the customers' problems and then to deliver pertinent solutions, they need to acquire a broad range of capabilities that go beyond being good technically. Technical competence of students is required to be admitted into the program. Students must be familiar with at least one programming language and able to demonstrate an ability to work in accordance with fundamental principles of computer science and information technology.

MSIT-IT PM Program Mission statement

Recognizing that today, the great majority of projects being executed are IT projects, UMT's MSIT (IT Project Management) program aspires to provide information technology professionals with the skills and insights they need to carry out information technology projects effectively. The program is designed to serve technical professionals who seek to develop strong management capabilities; as well as business analysts, who often play a key role in capturing customer business requirements and translating them into technical requirements that truly meet customer needs.

MSIT-IT PM Program Learning Objectives

Upon successful completion of the program, students will be able to:
- Demonstrate advanced knowledge of computer architecture, database management systems and information technology
- Serve the business analysis function by analyzing clients' business needs and requirements and translating business requirements into IT requirements when designing IT projects
- Apply IT project management principles to manage IT projects, i.e., in the areas of project initiation, planning, control, execution, evaluation and managing soft skills
- Identify and analyze risk and quality issues and economic implications for clients' IT projects
- Apply communication and soft skills effectively to communicate with clients and IT professionals
- Students can analyze and design IT systems in areas such as data communications, database management, cloud-based computing, AI, etc.

MSIT-IT PM Degree Requirements
    1) Complete 18-credit core courses of study at graduate level in information technology management.
    2) Complete 18-credit concentration courses of study in at graduate level in project management.
    3) Complete required graduate level courses successfully and maintain an average GPA at 3.0 or above.

MSIT Program Core Courses
    CST 500 Computer Architecture (3-credit)
    CST 550 Information technology Project Management (3-credit)*
    CST 615 Database Management Systems (3-credit)
    CST 650 Agile and Iterative Project Management (3-credit)*
    MGT 570 Information technology (3-credit)
    MGT 575 Data Communications (3-credit)
    Curriculum in alignment with project management areas (6-credit)

IT Project Management Concentration Courses
    COMM 500 Communication and Soft Skills (3-credit)
    MGT 500 Business Basics (3-credit)
    MGT 551 Planning and Control (3-credit)
    MGT 552 Project Finance and Budgeting (3-credit)
    MGT 553 Risk and Quality Management (3-credit)
    MGT 554 Contract and Procurement (3-credit)

Executive Certificate in Project Management (15-credit)

UMT's Executive Certificate in Project Management is a 15-credit graduate level program that focuses on the core project management courses contained in a typical master's level program, without covering supplemental management courses. It is comprised of five academic courses that when taken together, cover the entire project management discipline, offering students insights into what the Project Management Institute (PMI) categorizes as technical expertise (i.e., PM tools and techniques), professional behavior (i.e., organizational and people-oriented issues), and strategic awareness (i.e., accommodating the business elements of project management). Each of the courses in the program is compliant with the project management standards promulgated by the Project Management Institute (PMI).

Because the Executive Certificate courses offer graduate level academic credit, students may be able to have them accepted for credit in academic programs of degree-conferring institutions, depending on the credit-transfer policies of these institutions. Also, as academic courses, each can be listed as a 45 PDU offering.

Executive Certificate-PM Program Mission statement

UMT's Executive Certificate in Project Management strives to provide individuals with the tools, insights, and leadership capabilities that will enable them to deal effectively with the project management challenges they encounter in private, public and non-profit enterprises. It does this by helping them achieve mastery of the full range of project management tools and techniques needed to manage individual projects, project portfolios, and major programs.

Executive Certificate-PM Program Learning Objectives

Upon successful completion of the program, students will be able to:

- Balance the big-picture, strategic perspective with the need to master the details at the operational level, which includes scope definition, planning, controlling, execution, and close-out
- Identify key strategic drivers that underlie their projects
- Demonstrate their expertise as project planners, particularly in scheduling, budgeting and allocating human and material resources on project, portfolios, and major programs
- Implement the steps needed to get lagging projects under control
- Identify risks and opportunities facing projects and to take action to handle them effectively

Executive Certificate Courses
MGT 550 Project Management (3-credit)
MGT 551 Planning and Control (3-credit)
MGT 552 Project Finance and Budgeting (3-credit)
MGT 553 Risk and Quality Management (3-credit)
MGT 554 Contracts and Procurement (3-credit)

Programmatic Accreditation

UMT's project management degree programs are accredited by PMI Global Accreditation Center for Project Management Education Programs (GAC). GAC Accreditation information can be found at https://www.pmi.org/global-accreditation-center/directory

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The UMT Institution Mission

UMT's primary goal is to provide high quality education programs to our students and to promote academic excellence in higher learning by:
- *teaching and developing knowledge, skills, competencies, excellence, professionalism, and responsibilities to enhance our students' careers*
- *selecting and promoting excellent faculty and scholars who focus on knowledge, theory and practice from a global perspective*

For more information, visit www.umtweb.edu or call 703-516-0035.

- *adopting and updating curricula and instructional materials continually to reflect state-of-art knowledge and best practices*
- *employing technology, advanced teaching methods and tools to deliver high quality distance education programs*
- *benefiting the community and society by supplying well-educated and well-prepared professionals.*