Stevens Institute of Technology 2006-2007 Catalog

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The Wesley J. Howe School of Technology Management III



Master of Science - Management

Master of Business Administration -Technology Management

Master of Science -Master of Business Administration in Technology Management

Master of Science in Information Systems

<u>Master of Science -</u> <u>Telecommunications</u> <u>Management</u>

Executive Master of Technology Management (EMTM)

Executive Master of Business
Administration
(E.M.B.A.)

Course Number Changes

GRADUATE PROGRAMS

Business success in the 21st century will be increasingly dependent on the strategic development and use of technology. This is a complex challenge since the solutions to many business problems rely on the convergence of a number of technologies and their proper alignment with customer requirements and various other business elements. Therefore, the ability to manage and market technology creatively is essential for enhancing business competitiveness. The Wesley J. Howe School of Technology Management has been designed to meet this need. It features a spectrum of customer-oriented curricula to accommodate gaining expertise and training in important technology management concentrations and research endeavors.

Currently, the School of Technology Management offers many graduate degree programs: the Master of Science in Management, the Master of Science in Information Systems, the Master of Business Administration in Technology Management, the Master of Technology Management for Experienced Professionals, the Master of Business Administration in Technology Management for Experienced Professionals, and the Doctor of Philosophy Degree with concentrations in Information Management, Technology Management, and Telecommunications Management. In addition, the School participates in several interdisciplinary graduate programs: a Master of Science in Telecommunications Management (with the Electrical and Computer Engineering department), a Master of Science in Information Systems with technical interdisciplinary tracks: Computer Science, Quantitative Software Engineering, Information Security, E-commerce (with the Computer Science department), Integrated Information Architecture (with the Electrical and Computer Engineering department), and Systems Engineering (with the Systems Engineering and Engineering Management department).

Stevens Undergraduates in Simultaneous Degree or Deferred Graduate Credit Programs

Undergraduate students with junior or above standing who have at least a 3.0 GPA may obtain permission to take graduate courses by completing a study plan with the Program Director and submitting it to the Registrar's Office. Registration in graduate courses requires permission of the course instructor. Undergraduate students are not permitted in the Master of Science - Information Systems program or courses. Students must obtain a signed certification of standing prior to seeking permissions. This form is available from the Registrar's web site.

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MASTER OF SCIENCE

Master of Science - Management

The Master of Science - Management program focuses on the practice of management and is grounded in a variety of analytic and administrative approaches drawn from the fields of management, economics, applied psychology, and quantitative methods. The philosophy of the program is that knowledge of these areas is only one of the components of an educated manager. In addition to knowledge, it is the steady development of conceptual reasoning that signals the growth of integrative critical thinking and judgment – the hallmarks of professional management practitioners. To accomplish this educational goal, all students take a set of common core courses and select additional courses based upon their chosen concentration. The Master of Science in Management core includes coursework in technology and innovation management, which reflects the focus of both the Howe School and Stevens Institute of Technology.

This 12-course, 36-credit program leads to the degree of Master of Science in Management and is designed for working professionals with at least two years of work experience. However, applicants who do not meet this work experience requirement, but have outstanding academic records, will be considered for admission. Admission to the program requires a bachelor's degree with at least a "B" average, and two letters of recommendation. Prerequisites may include a semester of microeconomics (MGT 503 or equivalent) and a semester of introductory calculus (MA 501 or equivalent). Admissions decisions are made on a rolling basis, so students are encouraged to apply at any time during the year.

Students must discuss their program plans with their advisors, whose names are listed on the Letter of Acceptance. Advisors will be able to recommend appropriate choices and may be able to waive required courses depending on previous educational accomplishment. Upon evidence of satisfactory prior completion of a required course, students may, upon academic advisor approval, substitute an elective.

All international students who are applying who have English as a second language will need a TOEFL score of 550 (213 for computer-based) and must take a Stevens English test upon arrival, which will include both the TOEIC (Test for English for International Communication) and a written essay exam. As a result of these exams, those students who do not become exempt from developmental English will be placed in an appropriate English course offered by Stevens. Following completion of the course(s), the student must take a post-test and pass in order to be exempt from future language courses. Satisfaction of the language skills requirement must occur within the first year of study at Stevens. Either the GRE or GMAT examination is also required for international students.

Seven concentrations are available: General Management, Global Innovation Management, Information Management, Pharmaceutical Management, Project Management, Technology Management, and Technology Commercialization. Students considering doctoral study are encouraged to complete a master's thesis as part of their degree.

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Common Core Courses for Master of Science in Management

MGT 600 Managerial
Accounting
MGT 607 Managerial
Economics
MGT 680 Organizational
Behavior and Theory (or
MGT 612 for Project
Management concentration)
MGT 690 Organization
Theory and Design
MGT 609 Introduction to
Project Management
MGT 620 Statistical Models

Additional Core Courses are specified for each concentration.

General Management Concentration

The General Management concentration provides students with a basic grounding in the finance and marketing functional areas of management. It also requires students to apply their broad-based understanding of organizations to specific problems of project management and strategic management. In addition to the common core courses, all students who choose the General Management concentration are required to take additional core and concentration courses as follows:

Additional Core Courses

MGT 671 Technology and Innovation Management MGT 679 Management Information Systems

Concentration Courses

MGT 623 Financial Management MGT 641 Marketing Management MGT 725 Strategic Management

Electives

Students will choose one elective with the approval of their Academic Advisor.

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Global Innovation Management Concentration

In the current era of globalization, firms that

depend on innovation as their source of growth often need to create and manage their innovations on a global basis. This emerging trend, with its unique promise and complexity, is the focus of the Global Innovation Management concentration. Students learn the business issues, motivations, and processes of doing international and global business, with specific attention given to innovation management in this environment. They also gain awareness of the social impact on host countries.

In addition to the common core courses, students in the Global Innovation Management concentration will also take core and concentration courses as follows:

Additional Core Courses

MGT 671 Technology and Innovation Management MGT 679 Management Information Systems

Concentration Courses

MGT 630 Global Business and Markets MGT 650 International Business Management MGT 673 Global Innovation Management

Electives

Students will take one elective with the approval of their Academic Advisor. MGT 641 Marketing Management and MGT 632 Power and Politics in International Business are recommended.

Pharmaceutical Management

Technology plays a vital role in the pharmaceutical and biotechnology industries. Advances in, robotics, in silico simulation, high-throughput synthesis and screening, genomics, and information technology, to name a few, present tremendous opportunities and challenges. In addition, most pharmaceutical companies engage in numerous strategic alliances and partnerships, which now almost always involve the sharing and management of advanced technologies, as well as complex intellectual property issues. Scientists, clinicians, and other business people are increasingly called upon to manage complex technological environments or to deal extensively with those who do.

This program is targeted broadly at professionals across the whole of the

pharmaceutical industry whose jobs require that they manage functions that use technology extensively. This encompasses most of the functional areas in today's pharmaceutical companies and includes areas such as discovery research, clinical research and operations, regulatory affairs (especially those areas involved in the compilation and publication of submissions), market research, and quality assurance. Individuals in contract research organizations (CROs), contract laboratories, consulting firms, and other businesses that supply services to the pharmaceutical industry will also find the program of interest.

Additional Core Courses

MGT 671 Technology Management MGT 679 Managemnet Information Systems

Electives (Choose One)

MGT 683 Introduction to Pharmaceutical Manufacturing MGT 684 Regulation and Compliance in the Phramaceutical Industry

Concentration Courses

MGT 681 Managing Pharmaceutical Research and Development MGT 682 Logistics, Marketing, and Sales in the Pharmaceutical Industry

Information Management Concentration

The Information Management concentration focuses on management skills and the knowledge required to make efficient use of information in the organization. Today, more than ever, there is a pressing need for information systems that effectively support the strategic objectives of the organization. Consequently, the individuals creating and managing such systems have to be much more familiar with the business aspect of their organization than was necessary in the past. This concentration blends significant aspects of both business management and information systems knowledge, thereby preparing students to specify, develop, and manage information systems as a strategic organizational resource.

This program is geared for the business professional seeking an understanding of information management. IT professionals should review the Master in Information Systems degree.

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In addition to the common core requirements, including MGT 679 Management Information Systems, all students who choose the

Information Management concentration will take six of the following concentration courses, with the approval of their academic advisor:

Concentration Courses (choose six)

MIS 620 Analysis and Development of Information Systems MIS 630 Data and Knowledge Management MIS 640 Managing Information Networks MIS 760 IT Strategy MIS 750 Management of IT Organizations MIS 710 Enterprise Systems Management MIS 730 Integrating IS Technologies

Project Management Concentration

The Stevens Project Management Concentration provides education and training in project management at the graduate level. While pursuing the M.S. Management degree, students can also earn the Graduate Certificate in Project Management (GC/PM) as they prepare to achieve the Project Management Professional (PMP) certification independently administered by the **Project Management Institute (PMI)**.

The Project Management concentration presents the theory and practice of project management in modern organizations. Generally accepted and innovative practices in project management are presented in a manner that links project planning and execution with the achievement of strategic business goals. The Project Management concentration teaches new concepts in strategic project management and leadership that were developed by Howe faculty and have achieved international acclaim.

In addition to the core requirements, all students who choose the Project Management concentration take additional core and concentration courses as follows:

Additional Core

MGT 671 Technology and Innovation Management

Concentration Courses

MGT 618 Engineering Economics and Management Policy or MGT 621 Management Models or MGT 623 Financial Management MGT 610 Strategic Perspectives on Project Management MGT 612 The Human Side of Project Leadership MGT 614 Advanced Project Management

Students will choose two electives with the approval of Academic Advisor:

MGT 641 Marketing Management is a recommended elective; MGT 671 Technology and Innovation Management; MGT 677 Emerging Technologies.

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Technology Management Concentration

Managing technological resources and processes in organizations is increasingly important as more firms utilize technology to create value or attain strategic goals. The Technology Management concentration focuses on the tools and issues involved in managing these critical resources. Students will develop awareness of the management and strategic implications of technology and innovation processes in product and service firms. They will also gain knowledge of the enterprise as a whole, with particular emphasis on the link between technology and business.

In addition to the core requirements, all students who choose the Technology Management concentration take additional core and concentration courses as follows:

Additional Core

Mgt 671 Technology and Innovation Management Mgt 677 Emerging Technologies

Concentration Courses

Mgt 618 Engineering Economics and Management Policy Mgt 656 Quality and Process Management

Electives

Students will choose two electives with the approval of their academic advisor; MGT 641 Marketing Management, MGT 673 Global Innovation Management, MGT 725 Strategic Management, MGT 672 Technology Licensing and Finance, and MGT 675 New Product and Service Innovation are recommended electives.

Technology Commercialization Concentration

For new technologies to make the transition from R&D or engineering departments to becoming valuable assets, there are critical issues that define the efficient processes, legal protections, and potential for financial realization

for the firm. This set of courses is designed for professionals who are in or hope to operate in firms that invent, develop, and market technology.

Additional Core

MGT 671 Technology and Innovation Management MGT 623 Financial Management

Concentration Courses

MGT 677 Emerging Technologies MGT 672 Technology Licensing and Finance MGT 675 New Product and Service Innovation

Electives

Students will take one elective, with approval of their academic advisor. Recommended electives are: MGT 641 Marketing Management, MGT 663 Entrepreneurship, MGT 661 Online Marketing, or MGT 725 Strategic Management.

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Master of Business Administration - Technology Management

Our emphasis on technology management distinguishes a Howe School education from that provided by most other management schools. Our research and educational programs focus on the determinants of real value for the firm - product and process innovation and strategic project management. We also emphasize the development of communication and leadership skills through innovative pedagogical techniques and the maintenance of small class sizes, which enable an intimate relationship between students and faculty members.

The M.B.A. in Technology Management (TM) adds general management skills to the knowledge of technology management provided by our M.S. degree programs. Graduates from the M.B.A. in TM program will be able to use their business, technology management, and people skills to align technology trends with customer needs, and to manage their organizations in an increasingly complex and competitive world.

At least two years of work experience is preferred for applicants to the M.B.A. in TM program. However, students who do not meet this work experience requirement, but have outstanding academic records, may be considered for admission. Applicants to the M.B.A. in TM program are required to have a four-year bachelor's degree. All applicants must submit transcripts showing academic achievement in prior studies, two letters of recommendation, a resume, and a score in either a GMAT or GRE examination. International students must also submit a TOEFL score. Students currently enrolled in one of the Howe School's M.S. degree programs may apply to join the M.B.A. in TM program prior to obtaining their M.S.

degree by submitting a written application together with their GMAT or GRE score. Courses taken in the M.S. program may count towards the M.B.A. degree. Similarly, students who are currently enrolled in the M.B.A. in TM program may apply to enroll in one of the Howe School's M.S. degree programs prior to obtaining their M.B.A. in TM degree by submitting a written application.

To obtain the degree of M.B.A. in Technology Management, students must take 20 3-credit courses (60 credits) of course work.

Ten majors are available in the M.B.A. in TM program: Engineering Management, Financial Engineering, Global Technology Management, Information Management, Information Technology in the Financial Services Industry, Information Technology Outsourcing, Information Technology in the Pharmaceutical Industry, Pharmaceutical Management, Project Management, and Telecommunications Management.

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M.B.A. in TM with Engineering Management Major

The Engineering Management (EM) major prepares students for the role of "Engineering Manager" in a technology-based company. Students in this major take twelve M.B.A. core courses, three engineering management courses, two systems courses and three electives. Prerequisites for this major include a semester of microeconomics (MGT 503 or equivalent) and a semester of introductory calculus.

M.B.A. Core Courses for the EM Major

MGT 609 Introduction to Project Management

MGT 725 Strategic Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

MGT 623 Financial Management

MGT 641 Marketing Management

MGT 680 Organizational Behavior and Theory

MGT 690 Organization Theory and Design

MGT 620 Statistical Models

MGT 671 Technology Management

MGT 657 Operations Management

MGT 679 Management Information Systems

Engineering Management Major Requirements

EM 600 Engineering Economics and Cost Analysis

EM 605 Elements of Operational Research

SYS 611 Modeling and Simulation

or SYS 660 Decision and Risk Analysis

SYS 625 Systems Operational Effectiveness and

Life-cycle Analysis

One Engineering Management Elective

Plus three advisor-approved electives or a master's thesis plus one advisor-approved elective.

M.B.A. in TM with Financial Engineering Major

Less theoretical than competing financial engineering programs, the Financial Engineering (FE) major provides students with both managerial and analytical skills specific to the world of finance. Students in this major take eleven M.B.A. core courses, two preparatory courses in mathematics and probability,; six courses specialized to financial engineering, and one elective course. Prerequisites for this major include a semester of microeconomics (MGT 503 or equivalent) and a semester of introductory calculus.

M.B.A. Core Courses for the FE Major

MGT 609 Introduction to Project Management

MGT 725 Strategic Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

MGT 623 Financial Management

MGT 641 Marketing Management

MGT 680 Organizational Behavior and Theory

MGT 690 Organization Theory and Design

MGT 671 Technology Management

MGT 657 Operations Management

MGT 679 Management Information Systems

Financial Engineering Major Requirements

MA 505 Introduction to Mathematical Methods (may be waived by advisor)

MA 540 Introduction to Probability Theory (may be waived by advisor)

TM 613 Knowledge Discovery and Data Mining MGT 625 Investments and Capital Markets

MA/FE 610 Probability and Stochastic Calculus

MA/FE 620 Pricing and Hedging

MA/FE 621 Computational Methods in Finance or

CS 535 Financial Computing

MA/FE 630 Portfolio Theory and Risk Management

Plus one advisor-approved elective.

M.B.A. in TM with Global Technology Management Major

The Global Technology Management (GTM) major provides knowledge of the economic drivers and cultural aspects that must be understood by managers seeking success in rapidly expanding global markets. Students in this major take twelve M.B.A. core courses plus four global technology management courses, a course in macroeconomic analysis, and three elective courses. Prerequisites for this major include a semester of microeconomics (MGT 503 or equivalent) and a semester of introductory calculus.

M.B.A. Core Courses for the GTM Major

MGT 609 Introduction to Project

Management

MGT 725 Strategic Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

MGT 623 Financial Management

MGT 641 Marketing Management

MGT 680 Organizational Behavior and

Theory
MGT 690 Organization Theory and Design
MGT 671 Technology Management
MGT 657 Operations Management
MGT 679 Management Information
Systems
MGT 620 Statistical Models

Global Technology Management Major Requirements

MGT 608 Macroeconomic Analysis MGT 630 Global Business and Markets MGT 632 Power, Politics, and Policy in International Business MGT 650 International Business Management MGT 673 Global Innovation Management

Plus three advisor-approved electives or a master's thesis plus one advisor-approved elective.

M.B.A. in TM with Information Management (IM) Major

Students taking the M.B.A. in TM Information Management major take a number of general management courses in addition to the courses required for the M.S. in Information Systems degree.

Prerequisites for this major include a semester of introductory undergraduate calculus and MIS 502 Selected Topics in Economics, Statistics, and Accounting, for students not having previous coursework in these areas. For people with little or no information systems professional experience, MIS 501 (Information Management) is a prerequisite.

M.B.A. Core Courses for the Information Management Major

Management Major

MGT 609 Introduction to Project Management
MGT 600 Managerial Accounting
MGT 607 Managerial Economics
MGT 623 Financial Management
MGT 680 Organizational Behavior and Theory
MGT 690 Organization Theory and Design
MGT 657 Operations Management
MIS 661 Marketing Online
MIS 662 Legal Issues for the IT Professional
MIS 760 Information Technology Strategy
MIS 750 Management of Information
Technology Organizations
MGT 620 Statistical Models

Information Management Major Requirements

MIS 663 Entrepreneurship in IT
MIS 710 Enterprise Systems Management
MIS 730 Integrating IS Technologies
MIS 620 Analysis and Development of
Information Systems
MIS 630 Data and Knowledge Management
MIS 640 Network Management

Plus two advisor-approved electives or a thesis.

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M.B.A. in TM with IT in Financial Services (ITF) Major

This major responds to the need for information technology programs that are specific to the financial services community and the software vendors and consulting firms that serve this industry. Prerequisites include a semester of introductory undergraduate calculus and a semester of microeconomics, such as MGT 503 or equivalent.

M.B.A. Core Courses for ITF Major

MGT 609 Introduction to Project

Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

MGT 623 Financial Management

MGT 680 Organizational Behavior and

Theory

MGT 690 Organization Theory and

Design

MIS 684 Financial Services Marketing

and Sales

MIS 662 Legal Issues for IT

Professionals

MIS 663 Entrepreneurship in IT

MIS 760 Information Technology

Strategy

MIS 750 Management of IT

Organizations

MGT 620 Statistical Models

Information Technology for Financial **Services Major Requirements**

MIS 681 Financial Services Trends and Issues

MIS 682 Financial Services Capital

Markets

MIS 683 Financial Services Back Office

MIS 684 Financial Services Marketing and Sales

MIS 620 Analysis and Development of IS*

MIS 630 Data and Knowledge

Management*

MIS 640 Network Management*

MIS 710 Enterprise Systems

Management

MIS 730 Integrating IS Technologies

*Select two from these three courses.

M.B.A. in TM with IT Outsourcing Major

This major addresses the increasing need for information technologists who are knowledgeable in the best practices of IT outsourcing, and possess the ability to manage outsourcing relationships on an on-going basis. Prerequisites include a semester of introductory undergraduate calculus and a semester of

microeconomics, such as MGT 503 or equivalent.

M.B.A. Core Courses for IT Outsourcing Major

MGT 609 Introduction to Project

Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

MGT 623 Financial Management

MGT 680 Organizational Behavior and

Theory

MGT 690 Organization Theory and

Design

MIS 661 Marketing Online

MIS 662 Legal Issues for IT

Professionals

MIS 663 Entrepreneurship in IT

MIS 760 Information Technology

Strategy

MIS 750 Management of IT

Organizations

MGT 620 Statistical Models

Information Technology Outsourcing Major Requirements

MIS 650 IT Outsourcing: Governance and Measurement

MGT 654 Organization Change and

Development

MIS 652 Relationship Management in

IT Outsourcing

MIS 651 IT Outsourcing: Legal Issues MIS 620 Analysis and Development of

IS*

MIS 630 Data and Knowledge

Management*

MIS 640 Network Management*

MIS 710 Enterprise Systems

Management

MIS 730 Integrating IS Technologies

M.B.A. in TM with IT in the Pharmaceutical Industry (ITP) Major

The integration of business and technology in both research and development and business applications is a primary concern of the pharmaceutical industry. This major addresses the need for individuals with an understanding of both information technology and the pharmaceutical industry. Prerequisites include a semester of introductory undergraduate calculus and a semester of microeconomics, such as MGT 503 or equivalent.

M.B.A. Core Courses for ITP Major

MGT 609 Introduction to Project

Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

^{*} Select two from these three courses.

MGT 623 Financial Management MGT 680 Organizational Behavior and Theory MGT 690 Organization Theory and

Design

MGT 760 Operations Management MIS 662 Legal Issues for IT

Professionals

MIS 663 Entrepreneurship in IT

MIS 760 Strategic Management of IT

MIS 750 Management of IT

Organizations

MGT 620 Statistical Models

Information Technology in the Pharmaceutical Industry Major Requirements

MIS 671 Pharma Industry Trends and Issues

MIS 672 Pharma New Drug

Development

MIS 674 Pharma Marketing & Sales

MIS 673 Pharma Supply Chain

MIS 620 Analysis and Development of IS*

MIS 630 Data Management*
MIS 640 Managing Information

Networks*

MIS 710 Enterprise Systems

Management

MIS 730 Integrated IS Technologies

*Select two from these three courses

M.B.A. in TM with Pharmaceutical Management Major

The Pharmaceutical Management (PM) major provides a solid foundation in business fundamentals, an in-depth understanding of the operations and strategic management of the pharmaceutical industry, and the opportunity to develop additional breadth in areas such as new business ventures, global innovation management, and TQM, to name a few. The Stevens M.B.A. in Pharmaceutical Management is unique in its focus on both business excellence and the exploitation of technology and innovation for business success. Prerequisites include a semester of introductory undergraduate calculus and a semester of microeconomics, such as MGT 503 or equivalent.

M.B.A. Core Courses for the PTM Major

MGT 609 Introduction to Project Management

MGT 725 Strategic Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

MGT 623 Financial Management

MGT 641 Marketing Management

MGT 680 Organizational Behavior and Theory

MGT 690 Organization Theory and Design MGT 671 Technology Management MGT 654 Organizational Change and Development MGT 679 Management Information Systems MGT 620 Statistical Models

Pharmaceutical Management Major Requirements

MGT 677 Emerging Technologies
MGT 681 Managing Pharmaceutical
Reserach and Development
MGT 682 Marketing, Sales and Supply
Chain Management in the Pharmaceutical
Industry
MGT 683 Introduction to Pharmaceutical
Manufacturing
MGT 684 Regulation and Compliance in
the Pharmaceutical Industry

Plus three advisor-approved electives or a master's thesis plus one advisor-approved elective.

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M.B.A. in TM with Project Management (PM) Major

Excellence in project execution is the hallmark of successful companies. This major teaches new concepts in strategic project management and leadership that were developed by the Howe faculty and have achieved international acclaim. Students taking the M.B.A. in TM with a PM major take a number of project management courses in addition to the courses required for an M.S. in Management degree. Prerequisites for this major include a semester of microeconomics (MGT 503 or equivalent) and a semester of introductory calculus.

M.B.A. Core Courses for PM Major

MGT 609 Introduction to Project Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

MGT 620 Statistical Models

MGT 621 Management Models

MGT 623 Financial Management

MGT 641 Marketing Management

MCT (00 Organization Theory are

MGT 690 Organization Theory and

Design

MGT 671 Technology and

Innovation Management

MGT 656 Quality and Process

Management

MGT 725 Strategic Management

MGT 657 Operations

Management*

MGT 710 Risk Management*

* Select one out of these two courses.

Project Management Major Requirements

MGT 610 Strategic Perspectives on Project Management MGT 611 Project Planning and Monitoring MGT 612 The Human Side of Project Leadership MGT 614 Advanced Project Management

Plus four advisor-approved electives or two electives and a thesis.

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M.B.A. in TM with Telecommunications Management Major

Wireless, IP, and traditional communications technologies are the foundation for electronic commerce and global operations in every industry. This unique major provides both technical and management skills for tomorrow's telecommunications leaders.

Students taking the M.B.A. in TM Telecommunications Management major take a number of general management courses in addition to the courses required for an M.S. in Telecommunications Management degree. Prerequisites for this major include a semester of undergraduate introductory calculus (TM 500 or equivalent) and a semester of microeconomics (MGT 503 or equivalent). Students who lack an introductory telecommunications background may be required to take TM 550 Introduction to Telecommunications Concepts.

M.B.A. Core Courses for Telecommunications Major

MGT 609 Introduction to Project

Management

MGT 725 Strategic Management

MGT 600 Managerial Accounting

MGT 607 Managerial Economics

MGT 623 Financial Management

MGT 641 Marketing

Management

MGT 680 Organizational

Behavior and Theory

MGT 690 Organization Theory

and Design

MGT 671 Technology and

Innovation Management

MGT 710 Risk Management

MGT 657 Operations

Management

MGT 620 Statistical Models

Telecommunications Management Major Requirements

MGT 618 Engineering Economics
TM 601 Principles of Applied
Telecommunications Technology
TM 605 Probability for Telecommunications
Managers
TM 610 Business Information Networks
TM 612 Regulation and Policy in the
Telecommunications Industry
TM 770 Economics of Networks

*Plus two advisor-approved electives or a thesis.

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Master of Science-Master of Business Administration in Technology Management

The M.S.-M.B.A. is a coordinated degree program that requires students to take 24 courses (72 credits) of course work. Students graduate with both a Howe School M.S. degree and an M.B.A. in Technology Management degree.

The combination of M.S. and M.B.A. in TM courses provides in-depth preparation for graduates wishing to assume either general management or technology-related managerial positions in organizations. The program is also designed to allow students to specialize in topic areas that are of special interest to their individual careers.

The application requirements are the same as those listed above for the M.B.A. in TM program. Current M.S. or M.B.A. in TM students must apply in writing before they can be admitted to the M.S.-M.B.A. degree.

The M.S.-M.B.A. has the same majors as the M.B.A. program. To satisfy the requirements for the M.S.-M.B.A. degree, students must satisfy all the requirements listed above to obtain an M.B.A. in TM degree in one of the eight major areas. In addition, students must take an additional four courses approved by an academic advisor.

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Master of Science in Information Systems

The Master of Science in Information Systems (MSIS) program evolved from a review by Stevens of industry and student needs. The MSIS Program is designed to provide participants with the requisite management, business, strategic, and technical skills needed to help their companies apply information systems technology more efficiently and effectively.

Rapid advancements in technology, dynamic markets, and the changing business environment have created increased demand for professionals who can manage and deliver information systems. This demand has been accelerated by new competition, shorter product lifecycles, and more complex and specialized markets. Information systems professionals are required to lead and evolve information resources while partnering with corporate management.

The Stevens MSIS program teaches IT professionals how to help their organizations achieve success through alignment and

deployment of business and IT strategies. The program is an interdisciplinary combination of twelve courses, typically taken over a two-year period. It is a practical program that is more like an apprenticeship where students work on real business problems.

Classes combine lectures, cases, individual and team projects, and participant presentations. Many projects will be applicable directly to the participant's sponsoring organization's business needs. Instructors are nationally/internationally recognized experts in information technology, technology management, and business strategy. Instructors generally have substantial corporate experience and academic qualifications. Emphasis is placed on providing practical experience that can be applied immediately.

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Stevens offers a multi-track M.S. program to help you achieve your Information Technology career objectives. Students choose one of the following 14 career tracks to complete the MSIS degree:

Management Tracks

Entrepreneurial IT	(weeknights or Saturdays for students sponsored by their company)
Global Innovation Management	(weeknights or Saturdays for students sponsored by their company)
Human Resource Management	(weeknights or Saturdays for students sponsored by their company)
Information Management	(weeknights or Saturdays for students sponsored by their company)
IT in Financial Services	(Saturdays)
IT in Pharmaceutical	(Saturdays)
Project Management	(weeknights or Saturdays for students sponsored by their company)

Technical Tracks

Quantitative Software Engineering	(weeknights or Saturdays for students sponsored by their company)
Systems Engineering	(weeknights or Saturdays for students sponsored by their company)
Information Security	(weeknights only)
Integrated Information Architecture	(weeknights or Saturdays for students sponsored by their company)
Knowledge Management/Data Mining	(weeknights or Saturdays for students sponsored by their company)
Computer Science	(weeknights only)
E-Commerce	(weeknights only)

Telecommunications	(weeknights only)
Management	

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In addition to strong, practical, real-world IT and management skills, graduates of the program leave with improved communication, interpersonal, and team skills. The MSIS is a professional degree that integrates information and organizational cultures with emphasis on IT professionals who can contribute to the business.

To ensure quality and continuous improvement, participants are asked to appraise their courses twice each semester. These results are reviewed by the faculty and are made available to both participants and their sponsoring organizations.

Degree Requirements:

- Twelve graduate courses (36 credits) with a minimum GPA of 3.0 for the degree of Master of Science.
- Bachelor's degree in Information Systems, Management, Computer Science, and/or equivalent experience.
 Students without programming experience must take a programming course.
- For people with little or no information systems professional experience, MGT 501 Information Management is a prerequisite for all MSIS courses.

Students considering doctoral study are required to complete a master's thesis as part of their degree.

Required Core Courses:

MGT 609 Introduction to Project Management
MGT 623 Financial Management
MGT 680 Organizational Behavior and Theory
MIS 760 (formerly MGT 780) IT Strategy
MIS 750 (formerly MGT 781) Managing the IT Resource
MIS 710 (formerly MGT 783) Enterprise Systems
Management
MIS 730 (formerly MGT 784) Integrating IS
Technologies

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Management Concentrations

Information Management Track - Concentration Courses

MIS 620 (formerly MGT 772) Analysis and Development of Information Systems MIS 630 (formerly MGT 773) Data and Knowledge Management MIS 640 (formerly MGT 776) Managing Information Networks

Students will also choose two electives or write a thesis with the approval of their academic advisor.

The typical admission profile includes career

advancement in general management, non-technical information technology leadership, technology leadership or consulting, three or more years of information technology/business experience, and a Bachelor's in business/management, sciences, or liberal arts.

Entrepreneurial IT Management Track -Concentration Courses

MIS 640 (formerly MGT 776) Managing Information Networks

MIS 661/MGT 661 Marketing Online MIS 662/MGT 662 Legal Issues for the IT **Professional**

MIS 663/MGT 663 Entrepreneurship in IT MIS 620 (formerly MGT 772) Analysis and **Development of Information Systems**

Typical admission profile includes career advancement in information technology e-related business, general management in e-business, entrepreneurship or consulting, and three or more years of information technology/business experience.

IT in the Pharmaceutical Industry -**Concentration Courses**

MIS 671 (formerly MGT 721) Pharmaceutical Services Industry Trends and Issues MIS 672 New Drug Development MIS 674 Pharmaceutical Marketing and Sales MIS 673 (formerly MGT 724) Pharmaceutical

Supply Chain Select one from:

MIS 620 (formerly MGT 772) Analysis and Development of Information **Systems** MIS 630 (formerly MGT 773) Data and **Knowledge Management** MIS 640 (formerly MGT 776) Managing

Information Networks

Typical admission profile includes non-technical information technology leadership in a pharmaceutical corporate environment, three or more years of information technology/business experience, and a bachelor's in business, information systems, political science, or international relations.

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IT in Financial Services Industry -**Concentration Courses**

MIS 681 (formerly MGT 761) Financial Services Industry Trends and Issues MIS 682 (formerly MGT 762) Capital Markets MIS 683 (formerly MGT 763) Back Office MIS 684 (formerly MGT 764) Financial Services Marketing and Sales Select one from:

MIS 620 (formerly MGT 772) Analysis and

Development of Information Systems
MIS 630 (formerly MGT 773) Data and
Knowledge Management
MIS 640 (formerly MGT 776) Managing
Information Networks

Typical admission profile includes non-technical information technology leadership in a financial services corporate environment, three or more years of information technology/business experience, and a Bachelor's in business, information systems political science, or international relations.

Global Innovation Management Track - Concentration Courses

MIS 630 (formerly MGT 773) Data and Knowledge Management MGT 630 Global Business and Markets MGT 650 International Business Management MGT 673 Global Innovation Management MIS 620 (formerly MGT 772) Analysis and Development of Information Systems

Typical admission profile includes non-technical information technology leadership in a global environment, three or more years of information technology/business experience, and a Bachelor's in business, information systems, political science, or international relations.

Human Resource Management Track - Concentration Courses

MIS 630 (formerly MGT 773) Data and Knowledge Management MGT 646 Human Resource Processes: Techniques and Applications MGT 647 Legal and Social Environment of Human Resources MGT 654 Organizational Change and Development MIS 620 (formerly MGT 772) Analysis and

MIS 620 (formerly MGT 772) Analysis and Development of Information Systems

Typical admission profile includes IT human resource management/staff career advancement, information technology leadership, three or more years of information technology/business experience, and a Bachelor's in business, information systems, or human resources.

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Project Management Track - Concentration Courses

MGT 610 Strategic Perspectives on Project Management MGT 612 The Human Side of Project Leadership

MGT 614 Advanced Project Management MIS 620 (formerly MGT 772) Analysis and

Development of Information Systems MIS 630 (formerly MGT 773) Data and Knowledge Management

Typical admission profile includes career advancement as information technology project leader or functional area project leader, three or more years of information technology/business experience, and a Bachelor's in information systems, computer science, business/management, sciences, or liberal arts.

Technical Concentrations

Computer Science Track - Recommended Concentration Courses (Interdisciplinary)

CS 561 Database Management Systems I CS 551 Software Engineering and Practice I CS 552 Software Engineering and Practice II CS 666 Information Networks I Plus, one computer science elective.

Students will develop a plan of study with the approval of their academic advisor.

Typical admission profile includes information systems technical career advancement and three or more years of information technology experience. A strong mathematics and technical background is recommended.

Information Security - Concentration Courses (Interdisciplinary)

Choose four courses:

MIS 645 CyberSecurity Principles for Managers

MIS 646 Enterprise Architecture for Information Security

MIS 647 Information Security and the Law CS 573 Fundamentals of Computer Security CS 694 E-Business Security and Information Assurance

Select one from:

MIS 620 (formerly MGT 772) Analysis and Development of Information Systems MIS 630 (formerly MGT 773) Data and Knowledge Management MIS 640 (formerly MGT 776) Managing

Information Networks

Typical admission profile includes technical management and leadership or consulting, three or more years of information technology or networking experience, and a Bachelor's in information systems or computer science. A strong mathematics and technical background is recommended.

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E-Commerce Technical Track - Concentration Courses (Interdisciplinary)

Select four from the following list:

MIS 620 (formerly Mgt 772) Analysis and Development of Information Systems MIS 640 (formerly Mgt 776) Managing Information Networks

MIS 661/Mgt 661 Marketing Online
MIS 663/Mgt 663 Entrepreneurial IT
CPE 563 (Network Application Engineering)
CS 533 Cost Estimation and Metrics
CS 549 (Distributed Systems)
CS 561 Database Management Systems IT

Typical admission profile includes e-commerce technical career advancement and three or more years of information technology experience. A strong mathematics and technical background is recommended.

Integrated Information Architecture Track - Concentration Courses (Interdisciplinary)

NIS 560 Introduction to Networked Information Systems

CS 561 Database Management Systems I NIS 611 Digital Communications Engineering I MIS 630 (formerly MGT 773) Data and

Knowledge Management

And, select one from the following:

CpE 654 Design and Analysis of Network Systems

CpE 592 Multimedia Network Security CpE 636 Integrated Services - Multimedia CpE 678 Information Networks I

Typical admission profile includes technical management and leadership in systems architecture, three or more years of information technology experience, and a Bachelor's in information systems or computer science. A strong mathematics and technical background is recommended.

Knowledge Management/Data Mining Track- Concentration Courses

MIS 635 Designing the Knowledge Organization

MIS 636 Data Warehousing and Business Intelligence

MIS 637 Knowledge Discovery in Databases I MIS 638 Knowledge Discovery in Databases IIt

Typical admission profile: Career advancement in the management and technology of high-end data and business analysis.

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Quantitative Software Engineering Track - Concentration Courses (Interdisciplinary)

CS 540 Fundamentals of Quantitative

Software Engineering CS 564 Software Requirements Acquisition and Analysis CS 565 Software Architecture and Component-Based Design CS 533 Cost Estimation and Metrics MIS 630 (formerly MGT 773) Data and **Knowledge Management**

Typical admission profile includes application systems analysis or testing career advancement, three or more years of information technology experience, and a Bachelor's in information systems or computer science. A strong mathematics and technical background is recommended.

Systems Engineering Track - Concentration Courses (Interdisciplinary)

SYS 625 Systems Operational Effectiveness and Life-Cycle Analysis

SYS 650 System Architecture and Design SYS 611 Modeling and Simulation

SYS 660 Decision Risk Analysis

MIS 620 (formerly MGT 772) Analysis and **Development of Information Systems**

Typical admission profile includes technical management and leadership or consulting, three or more years of information technology experience and a Bachelor's in information systems or computer science. A strong mathematics and technical background is recommended.

Telecommunications Management Track -**Concentration Courses**

TM 601 Principles of Applied Telecommunications Technology TM 605 Probability for Telecommunications Managers

TM 610 Business Information Networks TM 612 Regulation and Policy MIS 630 (formerly MGT 773) Data and **Knowledge Management**

Typical admission profile includes general management in telecommunications industry or telecommunications management, three or more years of information technology/network experience, and a Bachelor's in information systems or computer science. A strong mathematics and technical background is recommended.

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Master of Science - Telecommunications Management

The Telecommunications Management graduate program (M.S. and Ph.D.) is an interdepartmental program involving the Wesley J. Howe School of Technology Management and the

Electrical and Computer Engineering Department of the Charles V. Schaefer, Jr. School of Engineering. The Wesley J. Howe School of Technology Management administers this program. The M.S. in Telecommunications Management is also offered in Beijing, China in partnership with Beijing Institute of Technology.

The Telecommunications Management curriculum addresses the demanding requirements of the telecommunications industry, businesses, and government for technical expertise combined with business skills. The program provides students with advanced technical knowledge of applied telecommunications integrated with business management. Admission to the program requires a bachelor's degree with at least a "B" average, including a semester of calculus. For students who lack this prerequisite, Stevens offers a non-credit calculus course for telecommunications management (e.g., TM 500). International students need a TOEFL score of 550 (213 for computer-based).

A student in this program is likely to be an individual who is, or aspires to be, a manager or supervisor in a corporation's or government agency's communications department. The student will typically be responsible for various aspects of planning, implementation, and management of the systems that satisfy the corporate requirements for voice, video, and data communications. The goal of this student is to become a management professional responsible for communications planning and resources, including people, networks, and systems, and for decisions involving planning and budgeting for acquisition, installation, and maintenance of products and services. Each sector of industry (government, regulatory, common carrier, financial, equipment vendor, consultant, R&D) will have corresponding profiles of professionals who need such technical expertise and management skills. This degree program builds an advanced foundation for more specialized study while enabling professionals from all industry sectors to understand and interact with customers and communications professionals who make the decisions on how businesses will implement communications.

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Specialized courses are available in the areas of management of wireless networks, network management and evaluation, global innovation management, communications security, and project management. Students who wish to continue beyond their master's degree may pursue the Ph.D. program in Technology Management with a specialization in Telecommunications Management.

In addition to a number of off-campus (corporate-sponsored) programs, Telecommunications Management is offered on campus, weekdays and Saturdays, and via WebCampus. Courses are offered year-round, in three terms.

Core Courses - Telecommunications Management

TM 601 Principles of Applied Telecommunications Technology

TM 605 Probability for Telecommunications Managers

TM 610 Business Information Networks

TM 612 Regulation and Policy in the

Telecommunications Industry

MGT 609 Introduction to Project Management

MGT 600 Managerial Accounting

MGT 618 Engineering Economics and

Management Policy

Concentration and Elective Courses

In designing a study plan with an advisor, students may choose any four courses from the tracks, or on-campus students may choose a concentration in a focused area of study and take the elective courses listed within the concentration.

Business Management Track (choose four)

MGT 641 Marketing Management

MGT 680 Organizational Behavior and Theory

MGT 690 Organization Theory and Design

TM 670 Decision Analysis for Corporate Network Systems

MGT 671 Technology and Innovation

Management

MGT 710 Risk Management: Methods and

Applications

MGT 656 Quality and Process Management

MIS 661/MGT 661 Marketing Online

MIS 662/MGT 662 Legal Issues for the IT

Professional

MIS 663/MGT 663 Entrepreneurship in IT

MIS 640 (formerly MGT 776) Managing

Information Networks

TM 616 Global Wireless Industry

TM 765 Selected Topics in

Telecommunications Management

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Technical Management Track Courses (choose four)

TM 611 Emerging Technologies

TM 613 Knowledge Discovery and Data Mining

for Telecommunications Managers

TM 614 Principles of Traffic Engineering and

Performance Analysis

TM 615 Wireless Communications and Mobile Computing

TM 617 Next Generation Wireless Networks

TM 619 E-Commerce Technologies

TM 621 Telecommunications Switching and Signaling

TM 624 Network Management

TM 694 E-Business Security and Information

TM 670 Decision Analysis for Corporate

Network Systems

MGT 710 Risk Management: Methods and

Applications

TM 765 Selected Topics in

Telecommunications Management

MIS 645 CyberSecurity Principles for

Managers
MIS 646 Enterprise

MIS 646 Enterprise Architectures for Information Security

Global Innovation Management (choose four)

MGT 630 Global Business and Markets

MGT 650 International Business Management

MGT 671 Technology and Innovation

Management

MGT 673 Global Innovation Management

Management of Wireless Networks (choose four)

TM 615 Wireless Communication and Mobile Computing

TM 616 Global Wireless Industry

TM 617 Next Generation Networks

TM 618 Performance of Emerging Mobile

Wireless Networks

EE 584 Wireless Systems Security

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Online Technology, Business, and Security (choose four)

TM 619 E-Commerce Technologies

TM 694 E-Business Security and Information

Assurance

MIS 661/MGT 661 Marketing Online

MIS 662/MGT 662 Legal Issues for the IT

Professional

MIS 663/MGT 663 Entrepreneurship in IT

MIS 645 CyberSecurity Principles for

Managers

MIS 646 Enterprise Architectures for

Information Security

Project Management Concentration (choose four)

MGT 609 Introduction to Project Management (core, required for all)

MGT 610 Strategic Perspectives on Project Management

MGT 612 The Human Side of Project Leadership

MGT 614 Advanced Project Management

MGT 611 Project Planning and Monitoring

MGT 613 Project Management Office

Security Management and Forensics (choose four, all have pre-requisites)

CS 573 Fundamentals of CyberSecurity

CS/TM 694 E-business Security and

Information Assurance

CS/TM/MIS 648 CyberSecurity Forensics

Satisfying Prerequisites

Students who satisfy Telecommunications Management admissions requirements but lack calculus and an introductory telecommunications background may be required to complete the following non-credit courses:

TM 500 Calculus for Telecommunications Managers

TM 550 Introduction to Telecommunications Concepts These courses are offered at least once every academic year.

Graduate Certificate in Telecommunications Management

TM 601 Principles of Applied
Telecommunications Technology
TM 605 Probability for Telecommunications
Managers
TM 610 Business Information Networks
TM 612 Regulation and Policy in the
Telecommunications Industry

(All credits earned may be applied towards the master's degree and the M.B.A..)

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Master of Technology Management for Experienced Professionals (EMTM)

The EMTM program is specifically designed for experienced professionals wishing to move to a broader role in technology and business management. Applicants should have a bachelor's degree in a technical discipline, and have at least five years work experience in a technology-related field. The EMTM program focuses on the effective management and use of technology in technology-intensive businesses. It integrates business and technology topics focused on educating participants to manage technology creatively in order to enhance business competitiveness in a global business environment. Orientation is given in general business skills such as finance and marketing, and emphasis is placed on aligning technology development with business strategy through application of TQM, and the use of emerging technology, innovation, and multifunctional teams.

The EMTM program consists of eleven courses that are completed in six trimesters. The courses are supplemented by a number of one-day workshops (practicums) utilizing business simulation tools that reinforce classroom concepts while providing students with experience running a high tech company. Applicants are required to have a bachelor's degree in a relevant technical discipline. Consideration will be given to prospective students with non-technical undergraduate degrees provided they have appropriate technology-based work experience.

All courses are taught by Stevens faculty and Executives-in-Residence and are scheduled at convenient satellite locations in northern (Morristown) and central (Tinton Falls) New Jersey. Classes are held one afternoon/evening per

week and run from 3:30 p.m. to 9:30 p.m. There is a short break for dinner, which is provided on site. In the final semester, the capstone course requires several non-consecutive weekend (Friday evening/Saturday) sessions on the Stevens campus. Students complete their EMTM degree in 21 months.

Curriculum for the Master of Technology Management degree

EMT 624 Financial Analysis for Technological Organizations

EMT 628 Accounting Lab

EMT 642 Marketing Management in Technical Organizations

EMT 629 Marketing Lab

EMT 677 Emerging Technologies

EMT 758 Oral and Written Communications

EMT 714 Technology Strategy

EMT 715 Strategic Business Management

EMT 740 Managing Multifunctional Teams

EMT 741 Innovation Management Process

EMT 751 Project Management and Leadership

EMT 752 Corporate Venturing

EMT 755 Process Management in High-Tech

Organizations

EMT 798 Integration and Application of Technology Management

M.B.A. in Technology Management Program for Experienced Professionals (E.M.B.A. in TM)

The E.M.B.A. in TM program is designed for experienced professionals wishing to move to a broader role in technology and business management. Applicants should have a bachelor's degree in a technical discipline, and have at least five years work experience in a technology-related field. All applicants must submit transcripts showing academic achievement in prior studies, two letters of recommendation from their companies, a letter stating their career objectives, a resume, and their GMAT score. International students should also submit a TOEFL score. The E.M.B.A.-TM program encompasses the EMTM curriculum, but includes additional courses that enhance skills in business management. Students who wish to obtain their M.B.A. in Technology Management degree through this program take all of the courses in the EMTM curriculum, and then proceed to a 5-course extension program leading to the M.B.A.-TM degree. The additional courses include the following:

> EMT 800B Managerial Decision Making EMT 800C Technology Commercialization EMT 607 Managerial Economics EMT 623 Financial Management EMT 625 Investments and Capital Markets

Graduate Certificate in Pharmaceutical Management

The four-course Graduate Certicate in Pharmaceutical Management covers current trends and issues in the pharmaceutical and biotechnology industries, research and

development, sales, marketing and manufacturing, and regulatory and ethical issues. The courses for the graduate certificate can be applied to either the M.S. or M.B.A..

MGT 671 Technology and Innovation Management MGT 681 Managing Pharmaceutical Research and Development MGT 682 Logistics, Marketing, and Sales in the Pharmaceutical Industry

Electives:

MGT 683 Introduction to Pharmaceutical Manufacturing MGT 684 Regulation and Compliance in the Pharmaceutical Industry

OLD NUMBER	NEW NUMBER	COURSE NAME
MGT 503	MGT 503	Microeconomics
MGT 529	MGT 654	Organizational Change and Development
MGT 530	MGT 647	Legal and Social Environment of HR (was HR and the Law)
MGT 550	MGT 609	Intro. to Project Management
MGT 551	MGT 725	Strategic Management
MGT 552	MGT 718	Multivariate Analysis
MGT 557	MGT 658	New Business Ventures
MGT 566	MGT 646	HR Processes: Techniques and Applications (was Task Analysis)
MGT 599	MGT 719	Research Methods
MGT 600	MGT 600	Managerial Accounting
MGT 607	MGT 607	Managerial Economics
MGT 608	MGT 608	Macroeconomics
MGT 610	MGT 610	Strategic Perspectives on Project Management
MGT 611	MGT 611	Project Planning Techniques
MGT 612	MGT 612	Human Side of Project Leadership
MGT 618	MGT 618	Engineering Economics
MGT 623	MGT 623	Financial Management
MGT 625	MGT 625	Investments and Capital Markets
MGT 626	MGT 626	Cost Analysis and Control
MGT 630	MGT 630	Global Business and Markets
MGT 632	MGT 632	Power, Politics, and Policy in International Business
MGT 641	MGT 641	Marketing Management
MGT 643	MGT 700	Econometrics
MGT 650	MGT 650	International Management
MGT 680	MGT 680	Organization Behavior and Theory
MGT 685	MGT 685	Employee Compensation
MGT 690	MGT 690	Organization Theory and Design
MGT 701	MGT 691	Management Policy Dynamics
MGT 702	MGT 671	Technology and Innovation
	MGT 672	Technology Licensing and Finance
	MGT 675	New Product and Service Innovation
MGT 707	MGT 677	Emerging Technologies
MGT 710	MGT 710	Risk Management
MGT 720	MGT 673	Global Innovation Management
MGT 730	MGT 730	Design and Analysis of Experiments

MGT 733	MGT 733	Applied Regression Analysis
MGT 737	MGT 613	Project Management Office
MGT 738	MGT 614	Advanced Project Management
MGT 744	MGT 744	Analytic Methods of Forecasting
MGT 750	MGT 656	Quality and Process Management
MGT 760	MGT 657	Operations Management
MGT 766	MGT 661	Marketing Online (cross-listed as MIS 661)
MGT 767	MGT 662	Legal Issues for the IT Professional (cross-listed as MIS 662)
MGT 768	MGT 663	Entrepreneurship (cross-listed as MIS 663)
MGT 771	MGT 679	Management Information Systems
MGT 795	MGT 621	Management Models
MGT 796	MGT 620	Statistical Models

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