



MASTER OF BUSINESS ADMINISTRATION IN
MANAGEMENT TECHNOLOGY (MBA)

| COURSES | Semester/ Year Completed | CREDITS |
|---------|--------------------------|---------|
|---------|--------------------------|---------|

MODULE I: Functional Courses (27 Credits)

Take all of the courses listed below

| | | | |
|---------------------------------|--|--|----------|
| ACCT 615 | Management Accounting | | 3 |
| ECON 610 | Managerial Economics | | 3 |
| FIN 600 | Corporate Finance I | | 3 |
| HRM 601 | Organizational Behavior | | 3 |
| MGMT 630 | Decisions Analysis | | 3 |
| MGMT 680 or MGMT 692 | Entrepreneurial Strategy / Strategic Management | | 3 |
| MGMT 691 | Legal and Ethical Issues | | 3 |
| MIS 645 or IS 677 | Information Systems Principles | | 3 |
| MRKT 620 | Global Marketing Management | | 3 |

MODULE II: MANAGING KNOWLEDGE, TECHNOLOGY AND INNOVATION

Elective Core Courses (9 Credits)

Take three from the following list of courses

| | | | |
|-------------------------------|---|--|----------|
| HRM 630 | Managing Technological and Organizational Change | | 3 |
| MGMT 620 | Management of Technology | | 3 |
| MGMT 635 | Data Mining and Analysis | | 3 |
| MGMT 640 | New Venture Management <i>prerequisite: FIN 516</i> | | 3 |
| MGMT 641 or EM 636 | Global Project Management/ Project Management <i>prerequisite: IE 492, IE 603 or equivalent</i> | | 3 |
| MGMT 650 | Knowledge Management | | 3 |
| MGMT 670 | International Business | | 3 |

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MODULE II: (CONTINUED)

| | | |
|--------------------|---|----------|
| MGMT 699 ST | Management Consulting | 3 |
| MIS 648 | Decision Support Systems for Managers <i>prerequisite: MIS 645 or IS 677</i> | 3 |

MODULE III: CONCENTRATION AREAS (12 CREDITS FROM 1 AREA)

Take four from the following list of courses

AREA I: MANAGEMENT INFORMATION SYSTEMS (MIS)

| | | |
|-------------------------------|---|----------|
| IS 601 | Web Systems Development | 3 |
| IS 631 | Enterprise Database Management <i>Prerequisite: IS 601</i> | 3 |
| IS 663 | Systems Analysis & Design <i>Prerequisite: IS 601</i> | 3 |
| IS 665 | Data Analytics for Info Systems <i>Prerequisite: IS 601</i> | 3 |
| IS 678 | IT Service Management <i>Prerequisite: IS 663 OR CS 673</i> | 3 |
| IS 684 | Business Process Innovation <i>Prerequisite: IS 663 OR CS 673</i> | 3 |
| IS 688 or MIS 648 | Web Mining <i>Prerequisite: IS 665</i> / Decisions Support Systems for Managers <i>Prerequisite: MIS 645 or IS 677</i> | 3 |
| MGMT 630 | Decision Analysis | 3 |
| MGMT 635 | Data Mining and Analysis | 3 |
| MGMT 641 or EM 636 | Global Project Management/ Project Management <i>prerequisite: IE 492, IE 603</i> | 3 |
| MGMT 650 | Knowledge Management | 3 |
| MIS 648 | Decision Support Systems for Managers <i>Prerequisite: MIS 645 or IS 677</i> | 3 |

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AREA 2: FINANCE

| | | | |
|----------------|---|--|----------|
| FIN 611 | Introduction to Topics in Financial Technology <i>Prerequisite: Programming foundation knowledge</i> | | 3 |
| FIN 624 | Corporate Finance II <i>Prerequisite: FIN 600</i> | | 3 |
| FIN 626 | Financial Investment Institutions <i>Prerequisite: FIN 600</i> | | 3 |
| FIN 634 | Mergers, Acquisitions, and Restructuring <i>Prerequisite: FIN 600</i> | | 3 |
| FIN 641 | Derivatives Markets <i>Prerequisite: FIN 600</i> | | 3 |
| FIN 650 | Investment Analysis and Portfolio Theory <i>Prerequisite: FIN 600</i> | | 3 |

AREA 3: MARKETING

| | | | |
|-----------------|--|--|----------|
| IE 659 | Supply Chain Engineering | | 3 |
| IS 664 | Customer Discovery | | 3 |
| MNE 655 | Concurrent Engineering | | 3 |
| MRKT 631 | Marketing Research | | 3 |
| MRKT 632 | Strategic Marketing Management | | 3 |
| MRKT 636 | Design and Development of High Technology Products | | 3 |
| MRKT 638 | Sales Management for Technical Professionals | | 3 |
| MRKT 645 | Digital Marketing Strategy | | 3 |

AREA 4: HEALTHCARE MANAGEMENT CONCENTRATION

Information Mining and Analysis Courses:

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|-----------------|--------------------------|--|----------|
| MGMT 635 | Data Mining and Analysis | | 3 |
|-----------------|--------------------------|--|----------|

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| | | |
|-----------------|--|----------|
| MIS 648 | Decision Support Systems for Managers <i>Prerequisite: MIS 645 or IS 677</i> | 3 |
| CS 631 | Data Management System Design <i>Prerequisite: Knowledge of C and Data Structures</i> | 3 |
| CS 632 | Advanced Database System Design <i>Prerequisite: CS 631</i> | 3 |
| CS 634 | Data Mining | 3 |
| CS 639 | Elec. Medical Records: Med Terminologies & Comp. Imp. | 3 |
| BNFO 615 | Data Analysis in Bioinformatics | 3 |
| BNFO 644 | Data Mining and Management in Bioinformatics | 3 |

General Healthcare Management Courses:

| | | |
|-----------------|--|----------|
| IE 686 | Introduction to Healthcare Systems | 3 |
| IE 687 | Healthcare Enterprise Systems <i>prerequisite: IE 686</i> | 3 |
| IE 688 | Healthcare Systems Performance Modeling <i>prerequisite: IE 686</i> | 3 |
| MGMT 650 | Knowledge Management | 3 |

AREA 5: INNOVATION AND ENTREPRENEURSHIP

Must take **MGMT 645, and choose between **MGMT 620** or **MGMT 649***

| | | |
|-----------------------------|---|----------|
| HRM 630 / IS 664 | Managing Technological and Organizational Change / Customer Discovery | 3 |
| *MGMT 620 / MGMT 649 | Management of Technology / Convention, Creativity and Innovation | 3 |
| MGMT 640 | New Venture Management <i>prerequisite: FIN 516</i> | 3 |

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| | | |
|------------------|---|----------|
| *MGMT 645 | New Venture Finance <i>prerequisite: FIN 516</i> | 3 |
| MGMT 691 | Legal and Ethical Issues | 3 |
| MRKT 631 | Marketing Research | 3 |
| MRKT 636 | Design and Development of High Technology Products | 3 |
| MRKT 645 | Digital Marketing Strategy | 3 |

AREA 6: CUSTOM CONCENTRATION

Design your career trajectory, you must consult (and secure the approval) of a faculty member in the discipline of your choice

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|---------------------|--|----------|
| 1st Elective | | 3 |
| 2nd Elective | | 3 |
| 3rd Elective | | 3 |
| 4th Elective | | 3 |

