

Master of Technology Management Policy Book

ACADEMIC CALENDAR 2008 -2009

FALL SEMESTER – 2008

June 16

Registration for fall begins

August 25

Classes Begin

August 29

Last Day of Drop/Add

September 1

Labor Day – no classes

October 13 – October 19

Semester recess – no classes

October 20

Classes resume

November 12

Last day for authorized withdrawal without academic penalty

November 26 – 30

Thanksgiving recess – no classes

December 1

Classes resume

December 15 – 18

Final exams begin. Finals are held on the same night as the classes are offered

SPRING SEMESTER – 2009

January 12

Classes begin

January 19

Martin Luther King Day – no classes

March 2 – 8

Semester recess

March 9

Classes resume

April 1

Last day for authorized withdrawal without academic penalty

April 8

Easter recess begins

April 14

Classes resume

May 4

Final exams begin. Finals are held on the same night as the classes are offered.

May 16

VSB Recognition Ceremony and reception; Baccalaureate Mass

May 17

University Commencement

Note: A revised calendar is sent via email with registration materials each semester.

CLASS MEETING TIMES

Classes meet for two hours and forty-five minutes once per week for fifteen weeks beginning at 6:00 P.M. in the fall and spring semesters on Monday, Tuesday, Wednesday or Thursday nights. During the nine week summer session, classes meet from 6:00-9:30 P.M. one night each week and two nights on alternate weeks.

CURRICULUM

All courses are three (3) credits unless otherwise indicated. Curriculum is also available online:

6 Graduate Business Courses (21 credits)

- Economic Analysis
- Accounting Information & Decision Making
- Leadership and Team Building
- Decisions in Marketing
- Corporate Finance
- Global Strategic Management (6 credits)

6 Graduate Engineering or Computing Courses (18 credits)

Courses vary depending on the student's selection of one of the following tracks:

- Web-based Technology and Commerce
- Software Engineering
- Knowledge-based Systems
- Electrical Engineering
- Computer Engineering
- Chemical Engineering
- Civil Engineering
- Mechanical Engineering

2 Electives (6 credits)

- One Business Electives
- One Computing Elective / Engineering Elective

INTERNATIONAL PRACTICUM

MTM students will participate in a one week, overseas experience in conjunction with the course CMB 8056 Strategic Management for Global Organizations.

REGISTRATION PROCESS

Registration materials will be posted to the MTM Website approximately two months prior to the start of each semester.

A course registration is considered binding unless:

- a course is canceled by VSB,
- a course is closed,
- a student does not have the appropriate prerequisites.

New MTM Students

Newly admitted students who are registering for the first time are required to register in the Office of Graduate Business Programs. Call the Office at 610-519-4336 for more information.

Confirmation of Registration

Course registration can be confirmed through NOVASIS. The Registrar does not mail course confirmations.

Schedule Changes

See Drop and Add Procedures

TUITION

For the 2008-2009 academic year, tuition is \$885 per credit. The Program has 46 credits.

TRANSFER OF COURSES

Transfer credits are not accepted in the business portion of the MTM Program. All courses in the business curriculum must be completed at Villanova University. If you are participating in a training program through your employer or have taken graduate level engineering or computer science courses, please contact the Office of Graduate Business Programs and your faculty advisor to discuss your situation.

MTM DETAILED CURRICULUM

Detailed course descriptions can be found online in the NOVASIS system.

Business Courses (3 credits each unless otherwise noted)

MBA 8115 - Leadership Challenge (1 credit)
MBA 8101 Accounting Information and Decision Making
MBA 8301 Economic Analysis
MBA 8401 Corporate Finance
MBA 8510 Leadership and Team Building
MBA 8601 Decisions in Marketing
CMB 8056/8057 Global Strategic Management (6 Credits)

Engineering Courses (3 credits each unless otherwise noted)

All Engineering MTM Students are required to take:

EGR 7001 Management of Technology and Innovation; and
EGR 7003 Systems Engineering

Civil Engineering Track:

CEE 7011 Hazardous Waste Management
CEE 7302 Site Planning
CEE 7402 Forensic Engineering
CEE 8206 Construction Project Management
CEE 8311 Environmental Geology

Chemical Engineering Track:

CHE 7002 Quantitative Techniques of Safety
CHE 7003 Toxicity and Health Effects in the Chemical Industry
CHE 8504 Closed Channel Hydraulic
CHE 8561 Air Pollution Control
CHE 8565 Heat Transfer
CHE 8571 Separation Processes I
CHE 8572 Separation Processes II
CHE 8578 Treatment of Chemical Engineers
CHE 8579 Applied Math for Chemical Engineers
CHE 8585 Optimization
CHE 8591 Industrial Waste Management

Electrical Engineering Track:

ECE 8224 Reliability Theory and Practice
ECE 8320 Control Systems Engineering
ECE 8416 Fuzzy Logic with Engineering Applications
ECE 8470 Introduction to Probabilistic Modeling and Analysis

ECE 8471 Software Reliability

Mechanical Engineering Track:

ME 7038 Introduction to Computational Fluid Mechanics
ME 7205 Advanced Dynamics
ME 7402 Computer-Aided Production Planning
ME 7600 Thermal Management of Electronics
ME 8302 Mechanical and Thermal Behavior of Solids

Graduate Computing Courses (6 required)

Upon enrolling into the Program, students must declare their interest in one of the following specialty tracks. Students will earn a certificate in this specialty area in addition to the MTM degree.

Web-based technology and commerce	Software Engineering	Knowledge-based systems
Database Systems	Database Systems	Database Systems
Web application development (new)	Software Engineering	Artificial Intelligence
Multimedia Technology	User/System Interface Design	Expert Systems
System Programming or Distributed Computing	Advanced Software Engineering	Object Oriented Design and Programming
Computer Networks	Object-oriented design and programming	Neural Networks or Fuzzy Logic or Topics in Intelligent Systems
Independent Study	Independent Study	Independent Study

Computing Courses (3 credits)

Web-based Technology and Commerce Track:

CSC 8490 Database Systems
CSC 8610 Multimedia Technology
CSC 8560 Computer Networks
CSC 9020 Independent Study

Software Engineering Track:

CSC 8490 Database Systems
CSC 8540 Software Engineering
CSC 8570 User/System Interface Design
CSC 8590 Advanced Software Engineering
CSC 8600 Object-Oriented Design and Programming
CSC 9020 Independent Study

Knowledge-based Systems Track:

CSC 8490 Database Systems
CSC 8520 Artificial Intelligence
CSC 8750 Expert Systems
CSC 8600 Object-Oriented Design and Programming
Neural Networks or Fuzzy Logic or Topics in Intelligent Systems
CSC 9020 Independent Study

