MASTER OF SCIENCE IN APPLIED TECHNOLOGY (MSAT)

PROGRAM DESCRIPTION
The Master of Science in applied technology (MSAT) program is a joint degree offered through the School for New Learning and the College of Computing and Digital Media. The program is designed for people who want to deepen their understanding and use of technology while enhancing their skills and knowledge for improving the interface between technology and people in organizational systems.

The MSAT program allows students to develop a highly focused set of applied technology skills and enhance their understanding of the organizational, interpersonal and learning issues that characterize today’s changing work environment. Students also learn how to help organizations connect their technical and social systems with one another.

IS THE PROGRAM RIGHT FOR YOU?
Yes—if you want to enhance your organizational/managerial capabilities through deepening your understanding and skill regarding technology and its applications. Typical MSAT students are diverse and dynamic learners who develop and use information, network or web systems and manage people and projects. They also seek to become higher performing professionals by advancing their technical and organizational skills.

PROGRAM GOALS
The goal of the MSAT program is to create a supportive environment and process through which students are challenged to:

• Develop knowledge, skills, habits and perspectives critical to applying technology to organizational problem-solving and decision-making
• Develop as reflective practitioners who are able to affirm, adjust and/or expand what they know and do in support of applying technology

• Apply traditions and methods of inquiry to effect ongoing improvement in applying technology in practice
• Enhance their employability in the diverse arenas where technology is applied
• Prepare for advanced study if/as they desire to pursue such

PROGRAM FEATURES
Strong academics. This program draws on the strengths of The School for New Learning and the College of Computing and Digital Media, both of which are leaders in their respective disciplines.

Practical, customizable experience. Students customize portions of their studies by combining specialized course work with on-the-job, applied learning projects.

Continuous advising. Students receive assistance from a designated faculty mentor from each college and a team of advisors from both the university as well as the professional community who provide coaching and mentoring to ensure each student’s success.

Liberal learning. Students engage in a series of liberal learning seminars designed to enhance their personal/professional skills and perspectives across five domains of applied effectiveness: personal, interpersonal, organizational, values and inquiry.

CURRICULUM
The program consists of 52 quarter hours which are distributed across program planning and integration, liberal learning seminars, professional core coursework and independent, work-based projects in each area of specialization. Students begin by choosing one of five areas of specialization for their graduate study:

• Applied Information Systems prepares students to design, implement and evaluate computer interfaces so they are accessible and easy for people to use.
• Applied IT Project Management advances the capabilities of working professionals to fill the growing need for IT project managers.
• Applied Information Technology addresses contemporary needs for understanding and applying the core principles of technology to solve problems, as well as improving effectiveness and increasing efficiencies in corporations, health care institutions and government agencies.
• Applied Human-Computer Interaction prepares students to design, implement and evaluate computer interfaces so they are accessible and easy for people to use.

DEGREE REQUIREMENTS
Courses are four quarter hours each unless otherwise noted below.

Planning and Integration
(1 course, 2 quarter hours)
AT 580 ProSeminar I: Introduction to Applied Technology
(2 quarter hours)

Professional Core
(6 courses, 24 quarter hours)
Students may choose six courses from the sample listings of courses below in each of the following areas of specialization.

Applied Information Systems
IS 421 Systems Analysis
IS 422 System Design, Implementation, and Maintenance
CSC 451 Database Design
ECT 424 Enterprise Infrastructure
IS 430 Fundamentals of IT Project Management

(over)
Complete one course from the following:

- CNS 440 Information Security Management
- IS 435 Organizational Modeling
- IS 483 Information Services and Operations
- IS 485 Requirements Elicitation, Analysis, and Specification
- IS 505 Business Continuity/Disaster Recovery Theories and Strategies
- IS 535 Information Technology Investment Financial Analysis
- IS 560 Enterprise Systems
- IS 565 IT Outsourcing

**Applied Network Technology**
- TDC 460 Foundations of Network Technologies
- TDC 463 Computer Networks and Data Systems
- TDC 464 Converged Multimedia Networks
- Three courses taken from either Applied Telecommunications or Applied Network and Information Security

Introductory courses may be required or waived based on the student’s background:
- TDC 405 Voice and Data Network Fundamentals
- TDC 411 Introduction to Computer and Network Systems
- TDC 413 Introduction to LAN and WAN

**Applied IT Project Management**
- PM 430 IT Project Management
- PM 556 Enterprise Project Management
- MGT 500 Managing for Effective and Ethical Organizational Behavior
- PM 440 Collaborative Technologies for Leading Projects
- PM 535 Information Technology Investment Financial Analysis
- PM 570 Enterprise System Implementation

**Applied Information Technology**
- PM 430 IT Project Management or IS 430 Fundamentals of IT Project Management
- CNS 440 Information Services and Operations
- ECT 424 Enterprise Infrastructure
- IS 433 Information Security Management
- IS 535 Information Technology Investment Financial Analysis
- CSC 451 Database Design

**Applied Human-Computer Interaction**
- HCI 440 Usability Engineering
- HCI 445 Inquiry Methods and Use Analysis
- HCI 454 Interaction Design
- Three courses from the following:
  - HCI 430 Prototyping and Implementation
  - HCI 450 Foundations of Human Computer Interactions
  - HCI 460 Usability Evaluation Methods
  - HCI 470 Digital Page Formatting
  - HCI 511 Designing for Disabilities

Introductory courses may be required or waived based on the student’s background:
- HCI 402 Foundations of Digital Design
- HCI 406 Web Site Design for HCI
- IT 403 Statistics and Data Analysis
- IT 411 Scripting for Interactive Systems

**Culmination**
(2 courses, 8 quarter hours)
- AT 587 Independent Work-based Project I
- AT 589 Independent Reflective Practice Project

**Liberal Learning**
(5 courses, 18 quarter hours)
- LLS 410 Personal Effectiveness
- LLS 420 Interpersonal Effectiveness
- LLS 430 Organizational Effectiveness
- LLS 440 Values Effectiveness
- LLS 450 Inquiry Effectiveness

(2 quarter hours)

*Students earn a Certificate in Liberal Learning for Professionals upon completion of these seminars.*

**ADMISSION REQUIREMENTS**
To be eligible for the MSAT program, students must have a completed undergraduate degree from a regionally accredited institution with a minimum cumulative GPA of 3.0 on a 4.0 scale. Applicants will be required to complete a personal interview with representatives from the program’s graduate admission committee, which will be scheduled upon initial review of all submitted application materials.

To apply, please submit the following:
- A completed online application
- A $25 nonrefundable application fee (waived for DePaul alumni)
- A current résumé
- An application essay that addresses key questions pertinent to assessing the “fit” of the particular program to the student and vice versa
- Official transcripts documenting all prior college/university coursework

**NOTE:** Standardized test scores are not required; however, applicants who have taken tests such as the GRE, GMAT, Miller Analogies, etc., within the previous three years are encouraged to submit their scores. International students are advised to contact DePaul’s International Programs Office to learn of further university requirements that may apply.

**HOW TO APPLY**
Online applications can be submitted at go.depaul.edu/apply.

Transcripts and other required credentials should be mailed to:

The School for New Learning
Graduate Programs
DePaul University
1 East Jackson Boulevard
Chicago, IL 60604

**FOR MORE INFORMATION**
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