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 lead and support an organization's changing needs in the use of information and information technologies.

- Applied Network Technology trains professionals to mediate industry demands for innovative network designs, new network applications and services, and the interactions between business enterprises and the network providers that serve them.
- 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

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 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 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

Web: **snl.depaul.edu**
Email: snlgrad@depaul.edu
Phone: (312) 362-8448

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