**INFORMATION TECHNOLOGY PROGRAM**

**Master of Science in Information Technology (MSIT) Degree**

# DEGREE INFORMATION

**Program Admission Deadlines:**

**Fall:** June 1

 **Spring:** October 1

 Summer: No admit

**International Students in the US:**

**Fall:** February 15

 **Spring:** October 15

 **Summer:** No admit

**International Students Outside the US:**

**Fall:** January 15

 **Spring:** September 15

 **Summer:** No admit

**Minimum Total Hours:** 30 non-thesis

**Program Level:** Masters

**CIP Code:** 11.0103

**Dept. Code:** EIT

**Program (Major/College): ITC/EN**

# CONTACT INFORMATION

**College:** Engineering

**Department:** Computer Science and Engineering

**Contact Information:** [www.grad.usf.edu](http://www.grad.usf.edu/)

## PROGRAM INFORMATION

The Department of Computer Science and Engineering offers a non‐thesis option for the degree of Master of Science in Information Technology (M.S.I.T). The MSIT graduate will demonstrate strong information technology skills as well as problem solving skills needed for the deployment of technology solutions to achieve business and organizational goals. The degree is available in both online and classroom modes, and provides students with a broad and integrative understanding of both technology and operational and strategic business and organizational applications. There is considerable freedom in the choice of the courses.

The breadth of subjects which are part of information technology together with the immense diversity of its applications, make it imperative that students in the Master’s program maintain close contact with the Graduate Program Director, in order to achieve a coherent plan of study directed towards a specific goal. In particular, election of courses should only be made with prior consultation and approval of the Major Professor or the Graduate Program Director.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

* The GRE is required for all MSIT applicants. For GRE tests taken after August 1, 2011, we require a minimum of 161 on the Quantitative portion (81 percentile) and a minimum of 150 (44 percentile) on the Verbal. The GRE will be waived for M.S. degree applicants with an undergraduate degree from an ABET-accredited United States university.
* Minimum grade point average (GPA) of "B" (or equivalent) for all coursework completed during the last two years of undergraduate program.
* Submission of TOEFL scores with an Internet-based score of 79 or higher for applicants from non-English speaking countries. If consideration of an assistantship is desired, the speaking score component of the TOEFL must be 26 or above. The TOEFL requirements may be waived if the applicant meets one of the following conditions:
	+ Has scored 500 or higher on the GRE Verbal Test, (Old Scores) or 153 with the New GRE scoring.
	+ Has earned a college degree at a U.S. institution of higher learning.
	+ Has earned a college degree from an institution whose language of instruction is English, (must be noted on the transcript).
	+ Has scored 6.5 on International English Language Testing System, (IELTS).
* Three letters of recommendation.
* Statement of purpose.
* Bachelor’ Degree in Information Technology, Computer Science, or a closely related field; or a bachelor’s degree in another field, plus satisfactory completion of the courses listed below under “Undergraduate Prerequisites.”
* Evidence of completion of a defined subset of the required core courses found in the University of South Florida’s Bachelor of Science in Information Technology degree program or their equivalent (see “Undergraduate Prerequisites” below).

**Undergraduate Prerequisites**

To be successful in this program, an applicant should have certain base knowledge in the discipline. The undergraduate courses listed below are considered to provide that base level of knowledge. The student should have taken these courses or their equivalent prior to beginning graduate coursework. All prerequisite courses are available online. In some cases, applicants lacking some of the prerequisites may be conditionally admitted to the MSIT program; such students will be required to complete missing prerequisites within the first year of graduate study.

Note: All undergraduate degree programs in information technology, computer science or related fields may not include all of the below prerequisites (or their equivalents). Students who hold such degrees may be required to take missing prerequisites (or their equivalents) as a condition of admission.

COP 2224/2931 Object-Oriented Programming

COP 2510/2930 Programming Concepts

COP 3515 IT Program Design

CEN 4031 IT Software Engineering

COP 4703 IT Database Systems

Professional experience in information technology is typically focused on specific projects or systems, and is not as broad as the treatment of a topic one receives in a course. Therefore, except in unusual circumstances, professional experience cannot substitute for any of the above prerequisite courses.

**DEGREE PROGRAM REQUIREMENTS**

 **Total Minimum Hours** 30 **hours**

 **Core Requirements** **12 hours**

CNT 6008 Network Programming for IT 3

ISM 6218 Advanced Database Management 3

 CGS 6425 Advanced Programming for IT 3

 CAP 6940 IT Graduate Practicum 3

 **Electives:**  **18 hours**

 ENG 6025 RFID and NFC Technologies for IT 3

 CAP 6033 Information Security Architecture for IT 3

 ISM 6155 Enterprise Information Systems Management 3

ISM 6266 Software Architecture 3

 CAP 6663 IT Robotics Applications 3

 CAP 6671 IT Intelligent Agents 3

 CGS 6842 IT & Systems for E-Business 3

Note: ISM prefix courses are offered by the Department of Information Systems/Decision Sciences (College of Business).

**Thesis/Non-Thesis:** This is a non-thesis program. However, the required three semester hour IT Graduate Practicum (CAP 6940) serves as a comprehensive measure of student competency in the discipline. This practicum, to be taken over one or two semesters, requires satisfactory completion, as determined by a faculty panel consisting of faculty members and/or industrial supervisor, of a major development effort on a real-world scenario, capped by a formal presentation for faculty and other students. Upon completion of the practicum project, the student will submit a formal project report, including all written deliverables. A formal oral presentation will be made to a panel of faculty members and the industrial supervisor, if applicable, who will provide their evaluation of the presentation and project report to the student’s IT Graduate Practicum Faculty Advisor.

**Comprehensive Exam:** The requirement for a comprehensive exam is satisfied by the successful completion of the IT Graduate Practicum (CAP6940) as described above.

**COURSES**

See http://ugs.usf.edu/course-inventory/