

## 5. How to Apply

For an admission application, visit:  
[www.admissions.mca.ucf.edu/](http://www.admissions.mca.ucf.edu/)

Or write to:  
Office of Undergraduate Admissions  
University of Central Florida  
PO Box 160111  
Orlando, FL 32816-0111

**For more information contact:**  
Information Technology Program  
*School of Electrical Engineering & Computer Science (EECS)*  
University of Central Florida  
PO Box 162362  
Orlando, FL 32816-2362  
[www.eecs.ucf.edu](http://www.eecs.ucf.edu)

## 6. Additional Information

EECS & Information Technology Main Office  
(HEC 246) .....(407) 823-2341  
IT Program Assistant.....(407) 823-3957  
IT Undergraduate Advising (HEC 245)  
.....(407) 823-2787 or 3-5660  
CECS Academic Affairs Office  
(ENG1 107) .....(407) 823-2455  
UCF Admissions.....(407) 823-3000  
Bookstore.....(407) 823-2665  
Campus Tours.....(407) 823-3000  
Directions & Information .....(407) 882-0909  
Employment Opportunity .....(407) 823-2778  
Financial Aid .....(407) 823-2827  
Housing.....(407) 823-4663  
Multicultural Academic &  
Support Services .....(407) 823-2716  
OASIS.....(407) 823-2492  
Veteran's Affairs .....(407) 823-2707  
UCF Open House (select dates) ..(407) 823-5359  
UCF Honors Program.....(407) 823-2076  
UCF Web site: .....[www.ucf.edu](http://www.ucf.edu)

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## B.S. Degree Program in Information Technology



### I. General Information

The purpose of this pamphlet is to describe briefly the undergraduate degree program for the Bachelor of Science in Information Technology (B.S.I.T.) degree. For a detailed description of computer facilities, faculty expertise and course descriptions, please consult our Web site at: [www.eecs.ucf.edu/it/](http://www.eecs.ucf.edu/it/).

#### I.1 Accreditation

The B.S. in Information Technology program, as a new degree, has not yet undergone an accreditation review. As part of the School of Electrical Engineering and Computer Science (EECS), a group of EECS faculty members designed the IT curriculum. Many new IT programs are appearing across the country, and no standards have yet been formalized. This will occur over the next few years. The majority of core courses required of IT majors are existing courses taken from the accredited School of EECS programs in Computer Science, Computer Engineering and Electrical Engineering.

#### 2. The Academic Program

The following information is gathered from the UCF catalog, the Undergraduate Policies and

Procedures Manual, and other documents that describe the IT undergraduate program; however, this brochure should not be considered a legally-binding document. It is not necessarily exhaustive and is subject to change.

All UCF students must fulfill a 36-hour General Education Program (GEP) requirement. Students who received an A.A. degree from a community college in Florida should be able to complete the B.S.I.T. requirements in 60 additional hours at UCF — provided that the A.A. elective choices have been made appropriately. Students coming with an A.S. degree must take additional courses to complete the B.S.I.T. requirements. Please consult the UCF catalog for specific details.

Students must complete 120 semester hours of course work with a Grade Point Average (GPA) of at least 2.0, and must satisfy all University and Information Technology Program requirements to earn the B.S.I.T. degree.

Any student wishing to receive a second Bachelor's degree should consult the University catalog. A student must be a declared Information Technology major to earn the B.S.I.T. degree. The State of Florida requires at least nine (9) hours of course work be completed during summer terms unless the student has already met this requirement while earning an A.A. degree.

#### 2.1 SUS Foreign Language Admission Requirement

To be admitted to UCF, The Florida State University System (SUS) requires two (2) years of high school foreign language (or equivalent). This is the Foreign Language Admission Requirement. In some cases, students who have not satisfied this requirement (two units in the same language) at the time of admission must satisfy the requirement prior to graduation. Students may have the option of fulfilling this requirement through examination; for more information contact SARC's University Testing Center at (407) 823-5109. Note: This admission requirement applies to all undergraduates and is

separate from the UCF Foreign Language Proficiency Requirement.

### 2.2 Course Requirements:

#### 2.2.1 IT Prerequisites (20 hours)

*MAC 2147	Math for Calculus
*STA 2023	Statistical Methods I
*ECO 2013	Principles of Macroeconomics
*PSY 2012	General Psychology
*PHY 2053	College Physics I
COP 3223	C Programming language
COP 3330	Object Oriented Programming
CGS 2545C	Database Concepts
MAD 2104	Foundations of Discrete Mathematics
OR	
COT 3100	Discrete Structures

\* Should be taken for GEP (see section 2).

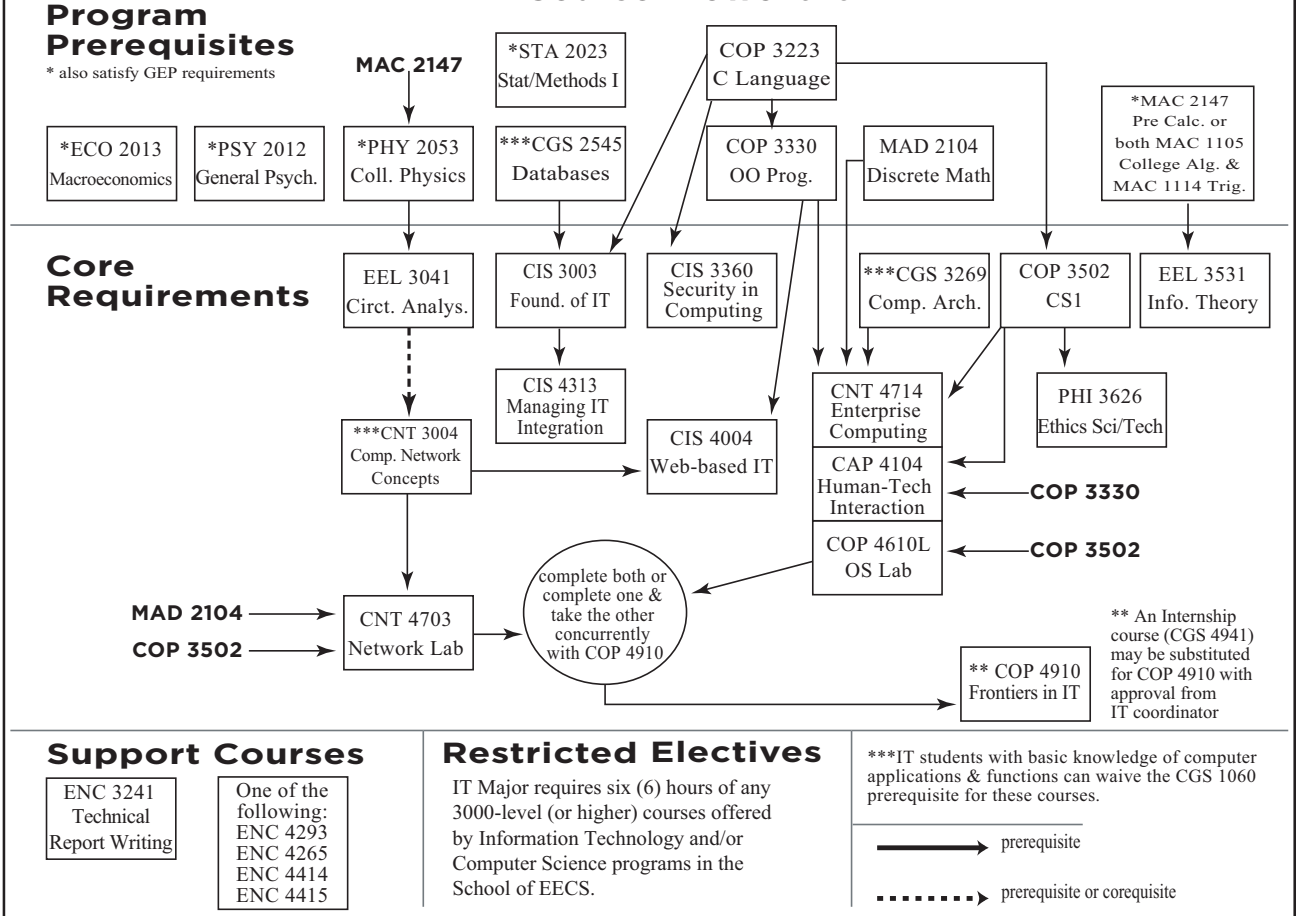
#### 2.2.2 IT Core (42 hours; 36 at upper division)

COP 3502	Computer Science I
CIS 3360	Security in Computing
CAP 4104	Human & Technology Interaction
EEL 3041	Circuit Analysis
EEL 3531	Information Theory
CGS 3269	Computer Architecture Concepts
COP 4610L	OS Laboratory
CNT 3004	Computer Network Concepts
CIS 3003	Fundamentals of Information Technology
CIS 4313	Managing IT Integration
CNT 4714	Enterprise Computing
CIS 4004	Web-Based Information Technology

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SCHOOL OF EECS

## IT Course Flowchart



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- CNT 4703      Network Laboratory
- ONE** of the following:
- COP 4910      Frontiers in Information Tech. (Capstone course)
- OR*   CGS 4941      IT Internship
- PHI 3626      Ethics in Science and Technology

- Select one: ♦
- ENC 4293      Documentation and Client-Based Collaboration
- ENC 4265      Writing for the Computer Industry
- ENC 4414      Writing and Hypertext
- ENC 4415      Digital Rhetoric and the Modern Dialectic

♦ There are a limited number of technical writing choices available for non-English majors.

**2.2.3 Support Courses (Total six (6) hours, all at upper division)**

- ENC 3241      Writing for the Technical Professional

**2.2.4 Restricted Electives (6 hours at 3000-level or above CS/IT courses)**

**2.3 Special IT Program Requirements**

Grade Requirements: Each required course (listed in sections 2.2.1, 2.2.2, 2.2.3 or 2.2.4) must be passed with a “C” grade (GPA 2.0) or better.

Departmental Residency Requirements: At least 24 hours of coursework from the Information Technology Program at UCF (at least nine (9) hours of which must be regularly scheduled 4000- or 5000-level courses).

**2.4 Transfer of Credit**

Courses with a common course number taken at any Florida State University System (SUS) institution or Florida community college are automatically transferable.

Students with a previous Bachelor of Science from an accredited institution or an Associate of Arts degree from a Florida SUS institution or Florida community college automatically satisfy the GEP. Substitutions for GEP are done through the Office of Academic Support & Information Services (OASIS), Colbourn Hall (CNH) 202.

**3. Sample Program of Study for A.A. Transfer Students**

Below is a four-semester sample program leading to a Bachelor of Science in Information Technology. This example assumes that the student has an A.A. from a Florida community college and has completed all prerequisites plus the following courses: Advanced C-Language Programming COP 3223 (Note: A course entitled “Introduction to C” is generally not sufficient.), CGS 2545.

**Fall Semester I:** COP 3502, COP 3330, MAD 2104, ENC 3241, CIS 3360 (15 hours)

**Spring Semester I:** CGS 3269, CNT 3004, CAP 4104, CIS 3003, EEL 3041 (15 hours)

**Fall Semester II:** COP 4610L, PHI 3626, CIS 4313, CNT 4714, 1<sup>st</sup> upper division elective (15 hours)

**Spring Semester II:** EEL 3531, COP 4910 or CGS 4941, ENC 4XXX, CIS 4004, CNT 4703, 2<sup>nd</sup> Upper Division Elective (18 hours)

**4. Sample Program of Study for Incoming Freshmen**

The following is an eight-semester sample program of study leading to a B.S. degree in Information Technology. These are only guidelines and the student should consult the catalog for the official requirements for graduation. In particular, students must take nine hours during summer sessions.

**Semester 1:** COP 3223, MAC 2147, ENC 1101, SPC 1600 (14 hours)

**Semester 2:** COP 3502C, MAD 2104, ECO 2013, ENC 1102, PSY 2012. (15 hours)

**Semester 3:** COP 3330, LIT 2110, PHY 2053C, EUH 2000, CIS 3360 (16 hours)

**Semester 4:** CGS 3269, STA 2023, CGS 2545, EUH 2001, BSC 1005 (15 hours)

**Semester 5:** CAP 4104, EEL 3041, ENC 3241, CNT 3004, CIS 3003 (15 hours)

**Semester 6:** CIS 4313, COP 4610L, PHI 3626, Free Elective, select one from ENC 4293, ENC 4265, ENC 4414 or ENC 4415 (15 hours)

**Semester 7:** EEL 3531, CNT 4703, Restricted Upper division elective, CIS 4004, free elective (15 hours)

**Semester 8:** COP 4910 or CGS 4941, CNT 4714, Upper division elective, free elective, free elective (15 hours)

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