5. How to Apply

For an admission application to UCF and IT, visit:
www.admissions.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
Department of Computer Science (CS)
University of Central Florida
PO Box 162362
Orlando, FL 32816-2362
www.cs.ucf.edu

6. Additional Information

CS & Information Technology Main Office
(HEC 346) ....(407) 823-2341
IT Undergraduate Advising (HEC 346D)
................................(407) 823-5439 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
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

B.S. Degree Program in Information Technology

University of Central Florida

1. General Information

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

The Information technology program focuses on preparing graduates who are concerned with issues related to advocating for users and meeting their needs within an organizational and social context through the selection, creation, application, integration and administration of computing technologies (2008 Curriculum Guidelines for Undergraduate Degree Programs in Information Technology – ACM/IEEE-CS). The courses include topics such as fundamental concepts of computing and information technology, network administration and security, the design of web pages, and the planning and management of the technology lifecycle by which an organization's technology is maintained, upgraded, and replaced.

2. The Academic Program

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

DEPARTMENT OF CS

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. 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. requirements. Please consult the UCF catalog for specific details.

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

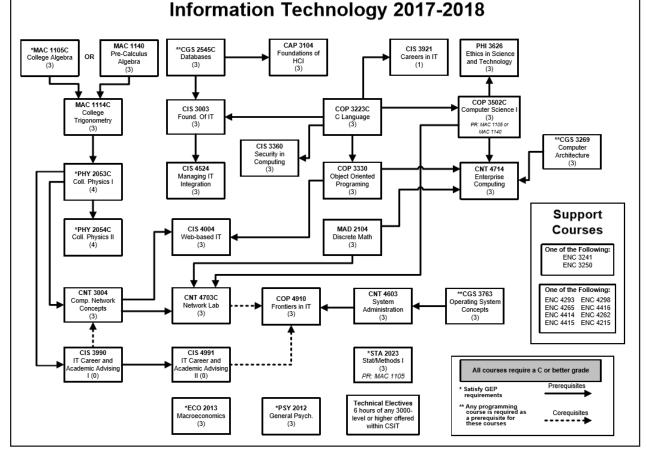## 2.2 Course Requirements:

2.2.1 IT Prerequisites (20 hours)

MAC 1105	College Algebra
OR	
MAC 1140	Pre-Calculus Algebra
MAC 1114	College Trigonometry
*STA 2023	Statistical Methods I
*ECO 2013	Principles of Macro-economics
*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 (45 hours)

COP 3502	Computer Science I
CIS 3360	Security in Computing
CAP 3104	Foundations of HCI
PHY 2054	College Physics II
CGS 3763	OS Concepts
CGS 3269	Computer Architecture Concepts
CNT 4603	System Admin and Maint
CNT 3004	Computer Network Concepts
CIS 3003	Fundamentals of Information Technology
CIS 4524	Managing IT Integration
CNT 4714	Enterprise Computing
CIS 4004	Web-Based Information Technology
CNT 4703	Network Laboratory

Information Technology 2017-2018

Course flowchart:

- *MAC 1105C College Algebra (3)* OR *MAC 1140 Pre-Calculus Algebra (3)*
- **CGS 2545C Databases (3)
- CAP 3104 Foundations of HCI (3)
- CIS 3921 Careers in IT (1)
- PHI 3626 Ethics in Science and Technology (3)
- MAC 1114C College Trigonometry (3)
- CIS 3003 Found. Of IT (3)
- COP 3223C C Language (3)
- COP 3502C Computer Science I (3) PR: MAC 1105 or MAC 1140
- CIS 3360 Security in Computing (3)
- CIS 4524 Managing IT Integration (3)
- COP 3330 Object Oriented Programing (3)
- **CGS 3269 Computer Architecture (3)
- *PHY 2053C Coll. Physics I (4)
- CIS 4004 Web-based IT (3)
- MAD 2104 Discrete Math (3)
- CNT 4714 Enterprise Computing (3)
- *PHY 2054C Coll. Physics II (4)
- CNT 3004 Comp. Network Concepts (3)
- CNT 4703C Network Lab (3)
- COP 4910 Frontiers in IT (3)
- CNT 4603 System Administration (3)
- **CGS 3763 Operating System Concepts (3)
- CIS 3990 IT Career and Academic Advising I (0)
- CIS 4991 IT Career and Academic Advising II (0)
- *STA 2023 Stat/Methods I (3) PR: MAC 1105
- *ECO 2013 Macroeconomics (3)
- *PSY 2012 General Psych. (3)
- Technical Electives 6 hours of any 3000-level or higher offered within CSIT

Support Courses

One of the Following:
ENC 3241
ENC 3250

One of the Following:
ENC 4293	ENC 4298
ENC 4265	ENC 4416
ENC 4414	ENC 4262
ENC 4415	ENC 4215

All courses require a C or better grade

* Satisfy GEP requirements

** Any programming course is required as a prerequisite for these courses

Prerequisites →

Corequisites - - →

(Continued from front.)

| COP 4910 | Frontiers in Information Tech. (Capstone course) |
| PHI 3626 | Ethics in Science and Technology |

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

Select one:

| ENC 3241 | Writing for the Technical Professional |
| ENC 3250 | Professional Writing |

Select one:

ENC 4215	Technical Publication and Project Management
ENC 4262	Intl Tech Communication
ENC 4265	Writing for the Computer Industry
ENC 4293	Documentation and the Collaborative Process
ENC 4298	Technical Communication for the Virtual Workplace
ENC 4414	Writing and Hypertext
ENC 4415	Digital Rhetoric and the Modern Dialectic
ENC 4416	Writing in Digital Environments

2.2.4 Restricted Electives (6 hours at 3000-level or above CS/IT courses).
CGS 4941 can be used as a restricted elective.

2.2.5 Major Specific Support Courses: (An "S" grade is required in all these courses)
CIS 3921 (1 hour), CIS 3990 (0 hour), CIS 4991 (0 hour)

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 online through Academic Services, Millican Hall, Room 210.

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: COP 3223 and CGS 2545. (Note: A course entitled "Introduction to C" is generally not sufficient for COP 3223.)

Fall Semester I: COP 3502, COP 3330, MAD 2104, ENC 3241, CIS 3360, CIS 3921, CIS 3990 (16 hours)

Spring Semester I: CGS 3269, CNT 3004, CGS 3763, CIS 3003, PHY 2054 (16 hours)

Summer Semester I: CNT 4703 (3 hours)

Fall Semester II: CAP 3104, PHI 3626, CIS 4524, CNT 4603, 1st upper division elective, CIS 4991 (15 hours)

Spring Semester II: CNT 4714, COP 4910, ENC 4XXX, CIS 4004, 2nd Upper Division Elective (15 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, ENC 1101, SPC 1603C, MAC 1105C or MAC 1140, EUH 2000 (15 hours)

Semester 2: COP 3502C, PSY 2012, MAC 1114C, ENC 1102, ECO 2013 (15 hours)

Semester 3: COP 3330, PHY 2053C, MAD 2104, CGS 2545C, LIT 2110 (16 hours)

Semester 4: CGS 3269, STA 2023, CIS 3003 , BSC 1005, GEP, CIS 3921, CIS 3990 (16 hours)

Semester 5: CAP 3104, PHY 2054C, CNT 3004, CIS 3360, ENC 3241 or ENC 3250 (16 hours)

Semester 6: CIS 4524, CGS 3763, PHI 3626, GEP, ENC 4293 or ENC 4265 or ENC 4414 or ENC 4415 or ENC 4298 or ENC 4416 or ENC 4262 or ENC 4215 (15 hours)

Semester 7: CNT 4703C, CIS 4004, CNT 4603, Restricted Elective, Free Elective, CIS 4991 (15 hours)

Semester 8: COP 4910, CNT 4714, Restricted Elective, Free Elective (13 hours)

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