

DEGREE REQUIREMENTS#
 BACHELOR OF SCIENCE IN COMPUTER SCIENCE (CSC)
 FOR STUDENTS ENTERING CATALOG YEAR 2001 OR LATER
 COLLEGE OF LIBERAL ARTS & SCIENCES, UNIVERSITY OF FLORIDA

GENERAL EDUCATION***

Composition (ENC 2210).....	6	Humanities*.....	9
Social and Behavioral Sciences*.....	9	International Studies and Diversity**.....	6
Biological Sciences.....	6	Foreign Lang. Exam-demonstrate proficiency....	varies++

- * Both categories combined must total 15 hrs with no fewer than six and no more than nine hrs taken in either category.
- ** These courses may be selected from courses that simultaneously fulfill the general education area requirement in social and behavioral science (S) or humanities (H).
- *** The mathematics and physical science requirements are listed with the departmental requirements below.
- ++ If Foreign Lang. proficiency is met, then replace with any level electives to reach the minimum 120 hours.

DEPARTMENTAL REQUIREMENTS

Mathematics (18/19)

MAC 2311	Analytic Geometry & Calculus 1 (SAT II=540)	4
MAC 2312	Analytic Geometry & Calculus 2	4
MAC 2313	Analytic Geometry & Calculus 3	4
MAS 3114	Comp. Linear Algebra (Cal 2 & a prog. Lang.)	3
OR MAS 4105	Linear Algebra 1 (Cal 3)	4
STA 4321	Mathematical Statistics I (Cal 3)	3

Physics (10/8)

PHY 2053	Physics 1 (HS Algebra & Trigonometry)	4
PHY 2053L	Physics 1 Lab	1
PHY 2054	Physics 2 (PHY 2053)	4
PHY 2054L	Physics 2 Lab (PHY 2053L)	1
	OR	
PHY 2048	Physics w/ Cal 1 (HS Physics, Cal 1)	3
PHY 2048L	Lab for PHY 2048	1
PHY 2049	Physics w/ Cal 2 (PHY 2048)	3
PHY 2049L	Lab for PHY 2049 (PHY 2048L)	1

CS Major Courses (32)

CIS 3020	Intro to CIS (Cal 1 req./ prog. language preferred) ...	3
OR CIS 3023	Programming for CIS majors II (CIS 3022)	3
COT 3100	Apps. of Discrete Structures (Cal 1, CIS 3020 or CIS3023)	3
COP 3530	Data & Algorithm Structures (CIS 3020, COT 3100, Cal 2)	4
CDA 3101	Intro to Computer Organization (Cal 1, CIS 3020)	3
CEN 3031	Intro to Software Engineering (COP 3530)	3
COP 4600	Operating Systems (COP 3530, CDA 3101)	3
CIS 4914	Sr. Project or CIS 4913-IPPD (4EG)	3
COT 4501	Numerical Analysis (CIS 3020, MAS3114)	3
CIS 4301	Info System Design and Devel.(CIS3020/3023, COT3100)	3
OR CAP 4800	Systems Simulation (COP 3530)	3
EEL 3701C	Digital Logic & Computer Systems (CIS 3020)	4

ACM: Join the Association for Computing Machinery. Visit their web site at www.acm.cise.ufl.edu, or send e-mail to acm@cise.ufl.edu. If you would like to participate in any ongoing discussions, please subscribe to acm-discuss@cise.ufl.edu, and if you are interested in receiving announcements of corporate info sessions, job/internship postings, programming competitions and upcoming speakers, please subscribe to acm-announce@cise.ufl.edu.

Other (28)

Electives	Non-CS courses at the 3000 level or above	18
Foreign Lang.	Exam-demonstrated proficiency or 10 credits	10

CS Electives (6)

At least (3) credits must come from Group A. The remaining (3) credits may come from either Group A or B.

Group A:

CAP 4410	Digital Image Processing (COP 3530, Cal 2)	3
CAP 4621	Artificial Intelligence & Heuristics (COP 3530)	3
CAP 4680	Knowledge-Based Sys.:Theory & Prac. (CAP 4621)	3
CAP 4730	Comp. Structures in Comp. Graphics (COP 3530)	3
CAP 4800	Systems Simulation (COP 3530)	3
CDA 4102	Computer Architecture (CDA 3101, COP 3530)	3
CEN 4012	Software System Development (CEN 3031)	3
CEN 4500C	Comp. Network Fund (CDA 3101, COP 3530, COP 4600)	3
CIS 4301	Info System Design and Devel.(CIS3020/3023, COT3100)	3
CIS 4912	IPPD 1 (CDA 3101, COP 3530, consent)	3
CIS 4930	Special Topics in CISE (Advisor approval)	3
CIS 4940	Internship (Advisor approval)	1
CIS 4949	Co-op Work in CISE (Avisor approval)	1
COP 4020	Programming Language Concepts (COP 3530)	3
COP 4331	Object-oriented Programming (COP 3530)	3
COP 4620	Translators & Translator Writing Sys. (COP 3530)	3
COP 4720	Database Management Systems (CIS4301, COP 3530)	3
EEL 4712C	Digital Design (EEL 3701C)	4
EEL 4713C	Digital Computer Architecture (EEL 3701C)	4
EEL 4744C	Microprocessor Applications (EEL 3701C)	4
	Any 5000-level CISE course	

Group B:

CIS 3022	Programming for CIS majors I	3
CGS 3065	Legal and Social Issues in Computing	3
CGS 3090	Ethics on the Electronic Frontier	1
CGS 3403	Computer Programming Using COBOL	3
CGS 3460	Computer Programming Using C	3
CGS 3464	Computer Programming Using C++	3
COP 2121	COBOL for CIS Majors	3
COP 3013	Survey of Programming Languages	2
COP 3610	Survey of Operating Systems (Familiarity w/comp.)	1
CIS 4905	Individual Study in CISE	var

#Minimum Total Hours.....120++