

CURRICULUM LEADING TO THE
BACHELOR OF SCIENCE IN COMPUTER SCIENCE
COLLEGE OF LIBERAL ARTS & SCIENCES
Four-Year Track (2001)

FRESHMAN YEAR

<i>Semester 1 – Fall</i>	
Humanities (GE-H)	3
Foreign Language	4/5
MAC 2311 Analytic Geometry & Calculus 1 (GE-M)	4
ENC 1101 (GE-C, GR-6)	3
TOTAL	14/15
 <i>Semester 2 – Spring</i>	
Biological Science (GE-B)	3
Foreign Language	3/5
ENC 2210 (GE-C, GR-6)	3
MAC 2312 Analytic Geometry & Calculus 2 (GE-M)	4
General Elective	2
TOTAL	15/17

SOPHOMORE YEAR

<i>Semester 3 – Fall</i>	
Elective, or Foreign Language if 4-3-3 option	3
PHY 2053L <u>OR</u> PHY 2048L Physics Lab (GE-P)	1
PHY 2053 Physics 1 (GE-P)	
<u>OR</u> PHY 2048 Physics with Calculus 1 (GE-P)	4/3
MAC 2313 Analytic Geometry & Calculus 3 (GE-M)	4
CIS 3020 Intro to CIS (GE-M)	
<u>OR</u> CIS 3023 Programming for CIS majors II	3
TOTAL	14/15
 <i>Semester 4 – Spring</i>	
Humanities (GE-H)	3
Social & Behavioral Science (GE-S)	3
COT 3100 Applied Discrete Structures	3
PHY 2054L <u>OR</u> PHY 2049L Physics Lab (GE-P)	1
PHY 2054 Physics 2	
<u>OR</u> PHY 2049 Physics with Calculus 2 (GE-P)	3/4
General Elective	3
TOTAL	16/17

CRITICAL TRACKING CRITERIA:

Critical tracking courses for semester 1-4 appear in bold; these courses must be completed with a combined GPA of 2.5 or higher, and must be completed during the semester listed or earlier.

- Complete MAC 1142 or 2311 by end of semester one.
- Complete MAC 2311 by end of semester two.
- Complete MAC 2312 by end of semester three.
- Complete MAC 2313, PHY 2053 or 2048, have at least a 2.5 GPA in the tracking courses and have at least a 2.0 cumulative GPA by the end of semester four.
- Complete PHY 2054 or 2049, two 3000-level CS courses and tracking criteria for semesters 1-4, and have at least a 2.5 GPA in the tracking courses in semesters 1-4.

CISE DEPT. ADVISING WEB SITE:

http://www.cise.ufl.edu/student_services/

JUNIOR YEAR

<i>Semester 5 – Fall</i>	
Humanities (GE-H)	3
Social & Behavioral Science (GE-S)	3
COP 3530 Data & Algorithm Structures	4
EEL 3701C Digital Logic & Computer Systems	4
General Elective	3
TOTAL	17
 <i>Semester 6 – Spring</i>	
Biological Science (GE-B)	3
CDA 3101 Intro to Computer Organization	3
STA 4321 Math Statistics	3
MAS 3114 Computational Linear Algebra	3
General Elective	3
TOTAL	15

SENIOR YEAR

<i>Semester 7 – Fall</i>	
CEN 3031 Intro to Software Engineering	3
CIS 4301 Info System Design and Development	
<u>OR</u> CAP 4800 Systems Simulation (Fall Only)	3
COT 4501 Numerical Analysis	3
CS Elective	3
General Elective	3
TOTAL	15
 <i>Semester 8 – Spring</i>	
CIS 4914 Senior Project	3
COP 4600 Operating Systems	3
CS Elective	3
Elective (only if Foreign Lang. 4-3-3 option was taken)	4
TOTAL	9/13

TOTAL HOURS REQUIRED FOR DEGREE 120

NOTES:

- CIS 3020 is equivalent to CIS 3023. One will be an automatic substitute for the other.
- All Departmentally Required courses must be completed with a grade of C or better.
- An Exit Interview is required during your last semester. Please see one of the CISE department academic advisers.
- Students pursuing a math minor may substitute MAD4401 for COT4501.

HONORS:

A student must attain an upper division GPA of 3.5. For magna or summa cum laude a student must also take two additional CS courses approved by the adviser, and, for summa cum laude, attain an upper division GPA of 3.8. A student must petition and get approval to attempt CS honors at least one semester before graduation. For more information on graduating with honors please contact Kevin Austin in CSE E405 the semester before you graduate.

CISE Undergraduate Advisors:

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