

**CURRICULUM PLANNING AND PROGRESS FORM (Computer Information Science Degree<sup>1</sup>) Fall 2005**

Name \_\_\_\_\_ SSN: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Term Entered<sup>2</sup> \_\_\_\_\_  
 Minor<sup>3</sup> \_\_\_\_\_ Transfer From<sup>4</sup> \_\_\_\_\_

<u>↓</u> <sup>5</sup>	<u>Term</u> <sup>6</sup>	<u>Grade</u> <sup>7</sup>			<u>Credit</u> <u>Hrs.</u> <u>Notes</u>
<b>Freshman Year</b>					
_____	_____	_____	BSC 1005	Biological Science w/ Lab	4 ac
_____	_____	_____	ENC 1101	Communicative Skills I or ENC 1121	3 ac
_____	_____	_____	SPC 2600	Public Speaking	3 ac
_____	_____	_____	MAC 2311	Calculus I [MAC 1147 or equivalent] <sup>8</sup>	4 bc
_____	_____	_____	_____	General Elective	<u>3</u>
					17
_____	_____	_____	AFA 3104	The African-American Experience	3 ach
_____	_____	_____	ENC 1102	Communicative Skills II or ENC 1122	3 ac
_____	_____	_____	COT 3100	Discrete Structures I [MAC 2311] <sup>8</sup>	3 c
_____	_____	_____	MAC 2312	Calculus II [MAC 2311]	4 c
_____	_____	_____	CIS 1920	Professional Development I	<u>1</u> cd
					14
<b>Sophomore Year</b>					
_____	_____	_____	ECO 2013	Principles of Economics I	3 ace
_____	_____	_____	COP 3502	Fundamentals of Programming [MAC 1105]	4 cjr
_____	_____	_____	MAC 3313	Calculus III [MAC 2312]	5 c
_____	_____	_____	_____	Humanities Elective	<u>3</u> ach
					15
_____	_____	_____	COP 3512	Introduction to Object-Oriented Programming [COP 3502, COT3100]	3 cjr
_____	_____	_____	ECO 2023	Principles of Economics II [ECO 2013]	3 ce
_____	_____	_____	COT 3101	Discrete Structures II [COT 3100]	3 c
_____	_____	_____	MAD 3401	Numerical Analysis [MAC 3313]	3 c
_____	_____	_____	_____	General Elective	3 b
_____	_____	_____	CLAST Test	( _____ Math _____ Read _____ Write _____ Essay)	<u>1</u> t
					15
<b>Junior Year<sup>9</sup></b>					
_____	_____	_____	CDA 3101	Comp Concepts & Org [COP 3502, COT3100]	3 cr
_____	_____	_____	COP 3530	Program, File, and Data Structures [COP 3512]	3 cr
_____	_____	_____	PHY 2048	General Physics I [MAC 2311]	4 jc
_____	_____	_____	PHY 2048	General Physics I Lab	1 jc
_____	<b>F</b>	_____	COT 4210	Foundations of Computer Science [COT 3101, COP 3512]	3 c
_____	_____	_____	_____	Humanities Elective (upper)	<u>3</u> ach
					17
_____	<b>S</b>	_____	CDA 4102	Computer Architecture [CDA 3101]	3 c
_____	_____	_____	CDA 4503	Data Com. & Organizational Networks [COP 3530, CDA 3101]	3 cr
_____	_____	_____	PHY 2049	General Physics II [PHY 2048]	4 jc
_____	_____	_____	PHY 2049	General Physics II Lab	1 jc
_____	_____	_____	OST 3337	Business Report Writing [ENC 1102]	3 gc
_____	_____	_____	COP 3710	Database Management Systems [COP 3530]	<u>3</u> c
					17
<b>Senior Year<sup>9</sup></b>					
_____	_____	_____	CIS 4301	Info Sys Design & Development [COP 3710]	3 c
_____	<b>F</b>	_____	COP 4020	Programming Languages [COP 3530, CDA 3101]	3 c
_____	_____	_____	COP 3060	Concepts in Advance Application Development [COP 3710]	3 c
_____	_____	_____	_____	Major Elective	3 ck
_____	_____	_____	CIS 3920	Professional Development III	<u>1</u> cd
					13
_____	_____	_____	CIS 4910	Information Systems Development Project [CIS 4301, COP 3060]	3 c
_____	<b>S</b>	_____	COP 3610	Operating Systems [COP 3530, CDA 3101]	3 c
_____	_____	_____	STA 2023	Introduction to Probability and Statistics	3 cfi
_____	_____	_____	_____	Major Elective	<u>3</u> ck
					<u>12</u>
					120

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Footnotes:****(Computer Information Science Degree) Fall 2005**

1. This option is designed for students who plan to apply their computing knowledge in scientific or engineering environments (including software engineering). It is also designed for students who plan to seek advanced degrees in computer science or a related discipline. This option facilitates a minor in mathematics.
2. Enter semester (F - Fall, S - Spring, Su - Summer) and year, e.g., F02, in which student entered or reentered FAMU.
3. Minor in Mathematics is possible with relatively few additional courses. (See College Catalog for requirements.)
4. Institutions should be listed from earliest to most recent. Indicate any degree earned at institution, e.g.
  - a. Tallahassee Community College, AA                      Note: An "AA" degree from a Florida Community College (FCC)
  - b. Jacksonville State    means that all General Education requirements are satisfied.
5. Check if requirement has been met.
6. Enter semester and year when requirement met or course planned, e.g., Su02.
7. Enter grade received, e.g., B; or T followed by the number of the institution listed above from which equivalent transfer credit was earned, e.g., T2; or "AA" if requirement met via an Associate of Arts degree.
8. A student should have obtained a C or better grade in the corresponding prerequisite courses in order to register for a course.
9. Students enter a premajor option and take COT 3100, COP 3502, COP 3512, COP 3530 and CDA 3101. Only when they complete all these courses with a "C" or better grade, they can be declared as Computer Information Science major. The CIS courses in the Junior and Senior years can be taken only as a Computer Information Science major.

**Notes:**

- a-General Education course requirement that is met by an "AA" degree from an FCC (SPC 2600 is major designated General Education Elective).
- b-Upper division Mathematics course if minoring in Mathematics (see University Catalog for requirements). CIS 2942 or CIS 4942 Information Systems Internship taken in summer (recommended for students not contemplating graduate school), foreign language, or any other course of interest.
- c-Must earn a C or better grade.
- d- Should be taken second semester, Freshman year or first semester, Sophomore year. Required for internship. Waived for transfer students entering with Junior status.
- e-Economic I & II designated by major to meet social science General Education requirement and thus notes a and c apply to one of these courses. The other Economic course is a CIS major requirement and thus notes a does not apply.
- f- FCC course STA 1014 or STA 2014 is accepted as equivalent.
- g- May substitute ENC3320 provided you have a "B" average in ENC 1101 and ENC 1102.
- h-Select from approved humanities courses below. See Catalog for course descriptions.  
 AFA3104, AMH2010, AMH2020, AMH3571, AMH3672, AML2010, AML3122, ARC2701, ARH2000, ARH2050, ARH2051, ARH3610, ARH4410, ARH4614, ENL3013, ENL3034, EUH3100, EUH3120, EUH3501, HUM2211, HUM2230, HUM3214, HUM3217, HUM3237, HUM3238, HUM3244, HUM3401, HUM3421, HUM3425, HUM3546, HUM3930, LIT2110, LIT2120, MMC2000, MUH3116, MUH3211, MUH3212, MUH3561, MUL2111, MUL2112, ORI2000, PHH3062, Phh3400, PHH3600, PHM3120, PHI2010, PHI2801, PHI3100, PHI3200, PHI3601, REL2000, REL2135, REL2210, REL2243, REL2320, REL3120, REL3310, REL4440, SPC1050, SPC2600, THE2000, THE3112, THE3113, THE3235, THE3300, WOH1012, WOH1022
- i-Meets General Education mathematics requirement but also a major requirement and thus not met by an "AA" degree from a FCC.
- j-Lab courses must be taken with lecture courses unless lab requirement has already been met.
- k-Must be upper division. Select from the following: (COT 4400 and a research-oriented DIS, i.e., CIS 4900, is strongly recommended for students who plan to seek an advanced degree in Computer Science or a related discipline).
- |         |                                   |         |                                    |
|---------|-----------------------------------|---------|------------------------------------|
| CAP4600 | Artificial Intelligence [COP3530] | CAP4680 | Expert Systems [COP3710]           |
| COT3101 | Discrete Structures II [COT3100]  | ISM4400 | Decision Support Systems [COP3710] |
| CIS4932 | Special Topics [to be specified]  |         |                                    |
- Approval of CIS Chair required to take Direct Independent Study (DIS) for upper division major elective (maximum 3 credit hours).
- o -Not really a General Education requirement but a major requirement that should be waived when General Education requirements are waived.
- r-Course includes a one-hour recitation.
- t-Upper division courses cannot be taken unless three parts are passed after attaining 60 credit hours and all four parts passed after attaining 96 credit hours. May be waived for some student. Check or place passing score in parts that have been passed.