Notes on Completion Plans of B. S. Degree in Computer Science

- **1.** There are four plan options to complete the B. S. degree in Computer Science:
 - a. Eight-semester plan,
 - **b.** Eight-semester alternative plan,
 - c. Three-year plan (including summers), and
 - d. Ten-semester B.S. and M.S. combined plan
- 2. CSCI 1470, 1480, 2320 form a required sequence. These courses are offered every semester. The completion of the sequence provides sufficient prerequisites for students to take any junior level CSCI courses (CSCI 33xx).
- **3.** Required upper level computer science courses (CSCI 3190, 3330, 3360, 3370, 3380, 3381, 4191, 4300 and 4490) are offered at least once every year. They may not be in the exact order as listed in the plan, however, at least two or three such required courses will be offered every semester for students to complete the degree in the above plans.
- **4.** The B. S. in Computer Science degree program requires 19 credit hours in Mathematics. All students must take total nine hours in MATH 2311, 2330, and 3320. The remaining ten credit hours maybe completed with the following options:
 - a. MATH 1491, 3311 and 3330 (is being developed); or
 - **b.** MATH 1591 and 1592 (pre-calculus is required to take MATH 1591)
- **5.** In selecting general education courses, one must meet the university general education requirements.

	Dros						
	riog	ram Complet	ion Pl	an (Eight-Sen	nester	Plan)	
epartment:		Compute	er Science		Degi	ree: BS)
rogram/Major	: <u></u>	Compute	er Science				
Frack/Emphasis:							
oes this prog	am require	e a minor?	No X	Yes 🗌			
nportant infor	mation in t	he <i>Undergraduat</i> e	Bulletin	:			
		ducation Requirer		http://www.uca.edu/u			
	•	equirements: escriptions:		http://www.uca.edu/uhttp://www.uca.edu/u			
	Course D	escriptions.		nttp://www.uca.edu/u	ibunetin/0	1 /	
his degree pro	ogram requ	ires a total of 124	semeste	r credit hours, inc	luding at	least 40 upper-div	rision
	Ye	ar 1			Ye	ar 2	
Fall (Seme		r 1) Spring (Semester 2)		Fall (Semest		Spring (Semes	
Course	SCH	Course	SCH	Course	SCH	Course	SCH
CSCI 1470 SPCH 1300	3	CSCI 1480 MATH 2311	3	CSCI 2320 CSCI 2440	3 4	CSCI 3380 CSCI 3381	3
MATH 1491	4	MATH 2311 MATH 2330	3	MATH 3311	3	Science Seq. 1	4
WRTG 1310	3	WRTG 1320	3	CSCI 1340	3	BIOL 1400	4
WK1G 1510	, ,	GEN ED	3	GEN ED	3	MATH 3330	3
Total credits	14	Total credits	16	Total credits	16	Total credits	17
	Ye	ar 3			Ye	ar 4	
			ster 6)	Fall (Semest		Spring (Semes	ster 8)
Fall (Seme	ster 5)	Spring (Semes					
	ster 5) SCH	Course	SCH	Course	SCH	Course	SCH
Course CSCI 3190	SCH 1	Course CSCI 3370	3	CSCI 4490	4	CSCI (elective)	3
Course CSCI 3190 CSCI 3330	SCH 1 3	Course CSCI 3370 CSCI (elective)	3 3	CSCI 4490 CSCI 4300	4 3	CSCI (elective) CSCI (elective)	3
Course CSCI 3190 CSCI 3330 CSCI 3360	SCH 1 3 3	Course CSCI 3370 CSCI (elective) Free elective	3 3 3	CSCI 4490 CSCI 4300 Free elective	4 3 3	CSCI (elective) CSCI (elective) GEN ED	3 3
Course CSCI 3190 CSCI 3330 CSCI 3360 MATH 3320	SCH 1 3 3 3	Course CSCI 3370 CSCI (elective) Free elective CSCI 4191	3 3 3 1	CSCI 4490 CSCI 4300 Free elective GEN ED	4 3 3 3	CSCI (elective) CSCI (elective)	3 3
Course CSCI 3190 CSCI 3330 CSCI 3360 MATH 3320 Science Seq. 2	3 3 3 4	Course CSCI 3370 CSCI (elective) Free elective CSCI 4191 GEN ED	3 3 3 1 3	CSCI 4490 CSCI 4300 Free elective	4 3 3	CSCI (elective) CSCI (elective) GEN ED	3 3
Fall (Seme Course CSCI 3190 CSCI 3330 CSCI 3360 MATH 3320 Science Seq. 2 GEN ED	SCH 1 3 3 3	Course CSCI 3370 CSCI (elective) Free elective CSCI 4191	3 3 3 1	CSCI 4490 CSCI 4300 Free elective GEN ED	4 3 3 3	CSCI (elective) CSCI (elective) GEN ED	3 3 3 3

					8-Semester PCP
Pro	ogram Completion	Plan (E	ight-semes	ter, Alternative	Plan)
Department:	Con	nputer Scienc	e	Degree:	BS
Program/Major	: Con	nputer Scienc	e		
Гrack/Emphasi	s:				
Does this prog	ram require a minor?	No X	Yes 🗌		
mportant infor	mation in the <i>Undergrad</i>		n:		
	General Education Requirements: Course Descriptions:	uirements:	*	du/ubulletin/02/208.html du/ubulletin/03/30604.ht du/ubulletin/04/	
n high school, hen take MATI	ogram requires a total of he/she should take MAT I 1591, and 1592 in the se ster credit hours to comp	H 1392 (or 1 econd and t	580) and a GEN hird semester, r	ED course in the firs	t semester, and

Year 1				Year 2			
Fall (Semester 1) Spring (Semester 2)			Fall (Semester 3) S		Spring (Semes	Spring (Semester 4)	
Course	SCH	Course	SCH	Course	SCH	Course	SCH
CSCI 1470	4	CSCI 1480	4	CSCI 2320	3	CSCI 3380	3
SPCH 1300	3	MATH 1592	5	CSCI 2440	4	CSCI 3381	3
MATH 1591	5	MATH 2330	3	Science Seq. 1	4	Science Seq. 2	4
WRTG 1310	3	WRTG 1320	3	GEN ED	3	BIOL 1400	4
				GEN ED	3	MATH 2311or	3
						4371	
Total credits	15	Total credits	15	Total credits	17	Total credits	17

Year 3				Year 4			
Fall (Semester 5) Spring (Semester 6)			Fall (Semester 7) Spring (Semes		ster 8)		
Course	SCH	Course	SCH	Course	SCH	Course	SCH
CSCI 3190	1	CSCI 3370	3	CSCI 4490	4	CSCI (elective)	3
CSCI 3330	3	CSCI (elective)	3	CSCI 4300	3	CSCI (elective)	3
CSCI 3360	3	Up-level elect	3	Up-level elect	3	Up-level elect	3
MATH 3320	3	CSCI 4191	1	GEN ED	3	GEN ED	3
GEN ED	3	GEN ED	3	GEN ED	3		
GEN ED	3	GEN ED	3				
Total credits	16	Total credits	16	Total credits	16	Total credits	12

_	SIGNED – DEPARTMENT CHAIR	DATE
	Signed – College Dean	DATE
Го be completed by the advisor when an	Eight-Semester Plan is accepted by	the student:
f applicable, has student selected a mine	or? No 🗌 Yes 🗌 (Specify)	

Program Completion Plan (Ten-Semester BS and MS Combined Plan)

rogram/Major:							
	Computer Science						
rack/Emphasis:		•					
oes this progra	m require	a minor?	No X	Yes 🗌			
. •	-	ne <i>Undergraduate</i>	-				
•		•			1 11 /0/	2/2001-41	
		ducation Requirer equirements:		http://www.uca.edu/u http://www.uca.edu/u			
		escriptions:		http://www.uca.edu/u http://www.uca.edu/u			
		•		•			
				I of <u>148</u> semester creases of the second in			ents <u>mus</u> t
ailitaili a GFA 3.2			iuale Auiii	iission during the th			
F-II (0		ar 1	- 1 0\	F-II (0		ar 2	-1 4\
Fall (Semest	er 1) SCH	Spring (Semes		Fall (Semeste	er 3) SCH	Spring (Seme	Ster 4)
Course CSCI 1470	4	Course CSCI 1480	SCH	Course CSCI 2320	3 3	Course CSCI 3380	
SPCH 1300	3	MATH 2311	3	CSCI 2320 CSCI 2440	4	CSCI 3381	3
MATH 1491	4	MATH 2311 MATH 2330	3	Science Seq. 1	4	Science Seq. 2	4
WRTG 1310	3	WRTG 1320	3	GEN ED	3	BIOL 1400	4
GEN ED	3	GEN ED	3	MATH 3311	3	MATH 3320	3
Total credits	17	Total credits	16	Total credits	17	Total credits	17
101011010110		ar 3		101010100110		ar 4	
Fall (Semest	er 5)	Spring (Semes	ster 6)	Fall (Semeste		Spring (Seme	ster 8)
_	SĆH	Course	SCH	Course	SCH	Course	SCH
Course	0011						_
	1	CSCI 3370	3	CSCI 4490	4	CSCI 4365	3
CSCI 3190		CSCI 3370 CSCI (elective)	3	CSCI 4490 CSCI 4300	3	CSCI 4365 CSCI 5315	3
CSCI 3190 CSCI 3330 CSCI 3360	1 3 3	CSCI (elective) Up-level elect	3	CSCI 4300 CSCI 5353	3	CSCI 5315 CSCI 5325	3
Course CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330	1 3 3 3	CSCI (elective) Up-level elect GEN ED	3 3 3	CSCI 4300 CSCI 5353 CSCI 5370	3 3 3	CSCI 5315 CSCI 5325 CSCI 5375	3 3 3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED	1 3 3 3 3	CSCI (elective) Up-level elect	3	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED	3 3 3 3	CSCI 5315 CSCI 5325	3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED GEN ED	1 3 3 3 3 3	CSCI (elective) Up-level elect GEN ED GEN ED	3 3 3 3	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED CSCI 5191	3 3 3 3	CSCI 5315 CSCI 5325 CSCI 5375 GEN ED	3 3 3 3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED	1 3 3 3 3 3 16	CSCI (elective) Up-level elect GEN ED GEN ED Total credits	3 3 3	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED	3 3 3 3	CSCI 5315 CSCI 5325 CSCI 5375	3 3 3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED GEN ED Total credits	1 3 3 3 3 3 16 Ye	CSCI (elective) Up-level elect GEN ED GEN ED Total credits	3 3 3 3	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED CSCI 5191	3 3 3 3	CSCI 5315 CSCI 5325 CSCI 5375 GEN ED	3 3 3 3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED GEN ED Total credits Fall (Semest	1 3 3 3 3 3 16 Ye	CSCI (elective) Up-level elect GEN ED GEN ED Total credits ar 5 Spring (Semes	3 3 3 3 15	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED CSCI 5191	3 3 3 3	CSCI 5315 CSCI 5325 CSCI 5375 GEN ED	3 3 3 3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED GEN ED Total credits Fall (Semest	1 3 3 3 3 3 16 Ye	CSCI (elective) Up-level elect GEN ED GEN ED Total credits ar 5 Spring (Semes Course	3 3 3 3 15	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED CSCI 5191	3 3 3 3	CSCI 5315 CSCI 5325 CSCI 5375 GEN ED	3 3 3 3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED GEN ED Total credits Fall (Semest	1 3 3 3 3 16 Yeer 9) SCH	CSCI (elective) Up-level elect GEN ED GEN ED Total credits ar 5 Spring (Semes Course CSCI 6330	3 3 3 3 15 ster 10)	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED CSCI 5191	3 3 3 3	CSCI 5315 CSCI 5325 CSCI 5375 GEN ED	3 3 3 3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED GEN ED Total credits Fall (Semest Course CSCI 6335 CSCI 6350	1 3 3 3 3 3 16 Year 9) SCH	CSCI (elective) Up-level elect GEN ED GEN ED Total credits ar 5 Spring (Semes Course CSCI 6330 CSCI 6390	3 3 3 3 15 SCH 3	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED CSCI 5191	3 3 3 3	CSCI 5315 CSCI 5325 CSCI 5375 GEN ED	3 3 3 3
CSCI 3190 CSCI 3330 CSCI 3360 MATH 3330 GEN ED GEN ED Total credits Fall (Semest	1 3 3 3 3 16 Yeer 9) SCH	CSCI (elective) Up-level elect GEN ED GEN ED Total credits ar 5 Spring (Semes Course CSCI 6330	3 3 3 3 15 ster 10)	CSCI 4300 CSCI 5353 CSCI 5370 GEN ED CSCI 5191	3 3 3 3	CSCI 5315 CSCI 5325 CSCI 5375 GEN ED	3 3 3 3

Program Completion Plan (Three-year Plan)

	i rogram con	ipictioi		year i larry		
Department:	Comp	puter Scienc	e	Degree:	BS	
Program/Major:	Comp	puter Scienc	e			
Track/Emphasis:						
Does this progra	m require a minor?	No X	Yes □			
Important inform	ation in the <i>Undergradu</i>	ate Bulleti	n:			
(Seneral Education Requi	irements:	http://www.uca.edu/	ubulletin/02/208.html		

Degree Requirements: http://www.uca.edu/ubulletin/02/208.html http://www.uca.edu/ubulletin/03/30604.html http://www.uca.edu/ubulletin/04/

		First Year				
Fall (Semest	ter 1)	Spring (Seme	ester 2)	Summe	er	
Course	SCH	Course	SCH	Course	SCH	
CSCI 1470	4	CSCI 1480	4	Science Seq. 1	4	
SPCH 1300	3	MATH 2311	3	BIOL 1400	4	
MATH 1491	4	MATH 2330	3	GEN ED	3	
WRTG 1310	3	WRTG 1320	3			
GEN ED	3	GEN ED	GEN ED 3			
Total credits	17	Total credits	16	Total credits	11	
		Second Yea	ar			
Fall (Semest	ter 3)	Spring (Seme	ester 4)	Summer		
Course	SCH	Course	SCH	Course	SCH	
CSCI 2320	3	CSCI 3330	3	GEN ED	3	
CSCI 2440	4	CSCI 3370	3	GEN ED	3	
Science Seq. 2	4	CSCI 3380	3	GEN ED	3	
MATH 3320	3	CSCI 3381	3			
MATH 3311	3	CSCI elective	3			
CSCI 3190	1	GEN ED	3			
Total credits	18	Total credits	18	Total credits	9	
		Third Year				
Fall (Semest	ter 5)	Spring (Seme	ester 6)	Summer		
Course	SCH	Course	SCH	Course	SCH	
CSCI 4191	1	CSCI elective	3	GEN ED	3	
CSCI 3360	3	CSCI elective	3	GEN ED	3	
CSCI 4490	4	Elective – up level	3			
CSCI 4300	3	Elective – up level	3			
MATH 3330	3	Elective	3			
Total credits	14	Total credits	15	Total credits	6	

·	Signed – D	EPARTMENT CHAIR	DATE
To be completed by the advisor when an Eigh		COLLEGE DEAN r Plan is accepted by the stu	DATE Ident:
If applicable, has student selected a minor?	No 🗌	Yes [] (Specify)	