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## 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.

## Program Completion Plan (Eight-Semester Plan)

Department: Computer Science Degree: BS  
 Program/Major: Computer Science  
 Track/Emphasis: \_\_\_\_\_  
 Does this program require a minor?      No       Yes

### Important information in the *Undergraduate Bulletin*:

**General Education Requirements:** <http://www.uca.edu/ubulletin/02/208.html>  
**Degree Requirements:** <http://www.uca.edu/ubulletin/03/30604.html>  
**Course Descriptions:** <http://www.uca.edu/ubulletin/04/>

This degree program requires a total of **124** semester credit hours, including at least **40** upper-division credit hours.

Year 1				Year 2			
Fall (Semester 1)		Spring (Semester 2)		Fall (Semester 3)		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 2311	3	CSCI 2440	4	CSCI 3381	3
MATH 1491	4	MATH 2330	3	MATH 3311	3	Science Seq. 1	4
WRTG 1310	3	WRTG 1320	3	CSCI 1340	3	BIOL 1400	4
		GEN ED	3	GEN ED	3	MATH 3330	3
<b>Total credits</b>	<b>14</b>	<b>Total credits</b>	<b>16</b>	<b>Total credits</b>	<b>16</b>	<b>Total credits</b>	<b>17</b>

Year 3				Year 4			
Fall (Semester 5)		Spring (Semester 6)		Fall (Semester 7)		Spring (Semester 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	Free elective	3	Free elective	3	GEN ED	3
MATH 3320	3	CSCI 4191	1	GEN ED	3	GEN ED	3
Science Seq. 2	4	GEN ED	3	GEN ED	3		
GEN ED	3	GEN ED	3				
<b>Total credits</b>	<b>17</b>	<b>Total credits</b>	<b>16</b>	<b>Total credits</b>	<b>16</b>	<b>Total credits</b>	<b>12</b>

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To be completed by the advisor when an Eight-Semester Plan is accepted by the student:

If applicable, has student selected a minor?      No       Yes  (Specify) \_\_\_\_\_

## Program Completion Plan (Eight-semester, Alternative Plan)

Department: \_\_\_\_\_ Computer Science \_\_\_\_\_ Degree: \_\_\_\_\_ BS \_\_\_\_\_  
 Program/Major: \_\_\_\_\_ Computer Science \_\_\_\_\_  
 Track/Emphasis: \_\_\_\_\_  
 Does this program require a minor?      No       Yes

### Important information in the *Undergraduate Bulletin*:

**General Education Requirements:** <http://www.uca.edu/ubulletin/02/208.html>  
**Degree Requirements:** <http://www.uca.edu/ubulletin/03/30604.html>  
**Course Descriptions:** <http://www.uca.edu/ubulletin/04/>

This degree program requires a total of 124 semester credit hours. If a student does not have pre-calculus in high school, he/she should take MATH 1392 (or 1580) and a GEN ED course in the first semester, and then take MATH 1591, and 1592 in the second and third semester, respectively. This may result a total of up to 129 semester credit hours to complete the degree.

Year 1				Year 2			
Fall (Semester 1)		Spring (Semester 2)		Fall (Semester 3)		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 231 or 4371	3
<b>Total credits</b>	<b>15</b>	<b>Total credits</b>	<b>15</b>	<b>Total credits</b>	<b>17</b>	<b>Total credits</b>	<b>17</b>

Year 3				Year 4			
Fall (Semester 5)		Spring (Semester 6)		Fall (Semester 7)		Spring (Semester 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				
<b>Total credits</b>	<b>16</b>	<b>Total credits</b>	<b>16</b>	<b>Total credits</b>	<b>16</b>	<b>Total credits</b>	<b>12</b>

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To be completed by the advisor when an Eight-Semester Plan is accepted by the student:

If applicable, has student selected a minor?      No       Yes  (Specify) \_\_\_\_\_

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

Department: Computer Science Degree: BS and MS

Program/Major: Computer Science

Track/Emphasis: \_\_\_\_\_

Does this program require a minor? No  Yes

Important information in the *Undergraduate Bulletin*:

- General Education Requirements: <http://www.uca.edu/ubulletin/02/208.html>
- Degree Requirements: <http://www.uca.edu/ubulletin/03/30604.html>
- Course Descriptions: <http://www.uca.edu/ubulletin/04/>

This BS and MS combined degree program requires a total of **148 semester credit hours**. In this plan a students **must** maintain a GPA 3.25 or above and apply for Graduate Admission during the third year of study.

Year 1				Year 2			
Fall (Semester 1)		Spring (Semester 2)		Fall (Semester 3)		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 2311	3	CSCI 2440	4	CSCI 3381	3
MATH 1491	4	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
Year 3				Year 4			
Fall (Semester 5)		Spring (Semester 6)		Fall (Semester 7)		Spring (Semester 8)	
Course	SCH	Course	SCH	Course	SCH	Course	SCH
CSCI 3190	1	CSCI 3370	3	CSCI 4490	4	CSCI 4365	3
CSCI 3330	3	CSCI (elective)	3	CSCI 4300	3	CSCI 5315	3
CSCI 3360	3	Up-level elect	3	CSCI 5353	3	CSCI 5325	3
MATH 3330	3	GEN ED	3	CSCI 5370	3	CSCI 5375	3
GEN ED	3	GEN ED	3	GEN ED	3	GEN ED	3
GEN ED	3			CSCI 5191	1		
Total credits	16	Total credits	15	Total credits	17	Total credits	15
Year 5							
Fall (Semester 9)		Spring (Semester 10)					
Course	SCH	Course	SCH				
CSCI 6335	3	CSCI 6330	3				
CSCI 6350	3	CSCI 6390	3				
CSCI 6370	3	CSCI 6399	3				
Total credits	9	Total credits	9				

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To be completed by the advisor when an Eight-Semester Plan is accepted by the student:

If applicable, has student selected a minor? No  Yes  (Specify) \_\_\_\_\_

## Program Completion Plan (Three-year Plan)

Department: \_\_\_\_\_ Computer Science \_\_\_\_\_ Degree: \_\_\_\_\_ BS \_\_\_\_\_  
 Program/Major: \_\_\_\_\_ Computer Science \_\_\_\_\_  
 Track/Emphasis: \_\_\_\_\_  
 Does this program require a minor?      No       Yes

### Important information in the *Undergraduate Bulletin*:

**General Education Requirements:** <http://www.uca.edu/ubulletin/02/208.html>  
**Degree Requirements:** <http://www.uca.edu/ubulletin/03/30604.html>  
**Course Descriptions:** <http://www.uca.edu/ubulletin/04/>

First Year					
Fall (Semester 1)		Spring (Semester 2)		Summer	
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	3		
<b>Total credits</b>	<b>17</b>	<b>Total credits</b>	<b>16</b>	<b>Total credits</b>	<b>11</b>
Second Year					
Fall (Semester 3)		Spring (Semester 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		
<b>Total credits</b>	<b>18</b>	<b>Total credits</b>	<b>18</b>	<b>Total credits</b>	<b>9</b>
Third Year					
Fall (Semester 5)		Spring (Semester 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		
<b>Total credits</b>	<b>14</b>	<b>Total credits</b>	<b>15</b>	<b>Total credits</b>	<b>6</b>

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**To be completed by the advisor when an Eight-Semester Plan is accepted by the student:**

If applicable, has student selected a minor?      No       Yes  (Specify) \_\_\_\_\_