DEGREE WORKSHEET FOR:
B.S. Computer Science
Degree Requirements – 120 credits

YEAR 1- FALL (14 credits)		YEAR 1-SPRING (15 credits)	
CS 130 Fundamentals of Computer Science	**3 credits**	**CS 160 Computer Programming**	**3 credits**
MATH 131 Calculus I (LAX1*)	**4 credits**	**MATH 228 Discrete Mathematics**	**3 credits**
MATH 102 Success in Math Sciences (suggested elective)	**1 credit**	SC 291 Scientific Writing (LAW2)	3 credits
ENG 122 College Composition (LAW1*)	3 credits	Liberal Arts Curriculum[b] (choose one LAB1, LAB2, or LAB3 that is also a LAMS and/or LAIS*)	3 credits
Liberal Arts Curriculum[b] (choose one LAA1, LAA2, LAA3, or LAA4 that is also a LAMS and/or LAIS*)	3 credits	University Wide Electives	3 credits
YEAR 2- FALL (15 credits)		**YEAR 2-SPRING (15 credits)**	
CS 200 Object-Oriented Anal Design & Prog	**3 credits**	**CS 209 Computer and Data Ethics**	**3 credits**
CS 216 Database Concepts	**3 credits**	**CS 225 Computer Organization and Architecture**	**3 credits**
STAT 150 Introduction to Statistical Analysis[b]	**3 credits**	**MATH 221 Elementary Linear Algebra**	**3 credits**
Liberal Arts Curriculum[b] (LAA1, LAA2, LAA3, or LAA4)	3 credits	University Wide Electives	3 credits
University-wide Electives[c]	3 credits	University Wide Electives	3 credits
YEAR 3- FALL (16 credits)		**YEAR 3- SPRING (15 credits)**	
CS 301 Algorithms and Data Struct	**3 credits**	**CS 440 Oper Syst** OR **CS 442 Networking**	**3 credits**
CS Elective[d]	**3 credits**	**CS 302 Programming Languages** OR **CS Elective[d]**	**3 credits**
Liberal Arts Curriculum[b] (LAB1, LAB2, or LAB3)	3 credits	Liberal Arts Curriculum[b] (LAS1*)	3 credits
Liberal Arts Curriculum[b] (LASL*)	4 credits	Liberal Arts Curriculum[b] (LAH1*)	3 credits
University Wide Electives	3 credits	University Wide Electives	3 credits
YEAR 4- FALL (15 credits)		**YEAR 4- SPRING (15 credits)**	
CS 350 Software Engineering	**3 credits**	**CS 440 Oper Syst** OR **CS 442 Networking**	**3 credits**
CS Elective[d]	**3 credits**	**CS Elective[d]** OR **CS 302 Programming Languages**	**3 credits**
University Wide Electives	3 credits	**CS 490 Computer Science Capstone**	**3 credits**
University Wide Electives	3 credits	University Wide Electives	3 credits
University Wide Electives	3 credits	University Wide Electives	3 credits

*See the Liberal Arts Curriculum webpage for more information

This four-year plan is a underlined recommended schedule to complete your bachelor's degree in 4 years. Every UNC student must meet the following requirements in order to graduate with a bachelor's degree: earn a minimum of 120 semester credit hours; possess a minimum of a 2.00 cumulative grade point average; have at least 31 credit hours in courses designated as Liberal Arts Curriculum; meet all degree requirements in the student's major field of study. Each major and/or emphasis may have additional requirements necessary for graduation. **Students must consult with their major advisor to receive information on any additional graduation requirements.**

Admission Requirement – No separate admission requirement.

Minor Required – No Minor required.

Contact Information – School of Mathematical Sciences Ross Hall Room 2239, 970-351-2820
School Web Page: http://www.unco.edu/nhs/mathematical-sciences/
Notes – see page 2.

BS Computer Science (cont.)

Notes

1   [a] STAT 150 can be replaced with STAT 250

2   [b] Liberal Arts Curriculum courses can be taken any semester. It is strongly suggested that they be evenly distributed over the entire 4 years of study rather than concentrated in the first 2 years. NOTE: You need to complete 31 Liberal Arts Curriculum credits total. Math 131 is required in the program and also satisfies the 3 credit Liberal Arts Curriculum Mathematics requirement. Most students will take ENG 122 for their first composition class unless they have placed out of the introductory composition requirement. Students need to take 6 credits total of composition courses, 7 credits of natural and physical sciences credits, and 15 credits from Arts & Humanities, History, Social & Behavioral Sciences, U.S. Multicultural, and International Studies. Of these 15 credits, one must be designated as a Multicultural Studies [MS] class, and one must be designated as an International Studies [IS] class.

3   [c] You need to complete 28-34 credits of University-wide Electives.

4   [d] You need to complete 9 additional credits from the CS electives. Choose from: BACS 385; CS 325, 330, 395, 401, 432, 454, 456, or 457.

5   Courses in **bold** are Mathematical Sciences Core courses.