## **CMSC MAJOR WORKSHEET**

Student:	ID#	
I. Required computer scie	nce courses	
CMSC 201 Computer Science I Grade of B required		4
202 Computer Scie	nce II Grade of B required	4
203 Discrete Struct	ures	3
304 Ethical Issues i	n Information Technology	3
313 Computer Orga	anization and Assembly Language Programming	3
331 Principles of P	rogramming Languages	3
	S	
	gn and Development	
411 Computer Architecture		
	perating Systems	
•	T	
8		
II. Required math courses	•	
MATH 151 Calculus I		4
	Linear Algebra	
III. Required statistics cou	ırse	
	ics I	4
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IV. Required science cour	se - One of the following sequences:	
	ology	4
	volution	
<u>OR</u>		
	hemistry I	4
CHEM 102 Principles of Chemistry II		
OR	nemou j	······
	nysics I	4
	rysics II	
11115 122 milloductory 11	1,0100 11	т
AND additional science co	urse(s) to add up to a total of 12 credits. Select from: BIOL 2	)51 251I
	2L,303,303L,304,304L,305,305L,CHEM 102L,GES 110,111	
	2L,303,303L,304,304L,303,303L,CHEW 102L,GES 110,111	
SCICILE COULSE		

Note that at least one science course must include a laboratory component, CHEM 102L or PHYS 122L would fulfill the lab requirement. The lab requirement is a University requirement for graduation, not a Computer Science requirement. The lab credit will count towards the 12 credit requirement for the major.

If you have completed three science classes and have not earned 12 credits you may count MATH 225,251 or 301as a fourth course to meet the 12 credit requirement.

V. Two computer science electives chosen from the following:	
CMSC 426 Principles of Computer Security	
431 Compiler Design Principles	
435 Computer Graphics3	
445 Software Engineering3	
451 Automata Theory and Formal Languages	
455 Numerical Computations	
456 Symbolic Computation	
461 Database Management Systems	
471 Artificial Intelligence	
481 Computer Networks	
483 Parallel and Distributed Processing	
103 Tatalier and Distributed Trocessing	
VI. Three computer science electives chosen from the following or from V above:	
Any three 3-credit CMSC 400-level courses except CMSC 404 and CMSC 495-499.	
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CMSC 400 level course	
CMSC 400 level course	
CMSC 400 level course	
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Students may choose electives in this category from computer engineering courses with special permission from the CSEE department. Up to two of these courses also may be chosen from the following list of mathematics courses. MATH430,441,452, 475, 481, 483.	
TOTAL: 77 credits required	
VII. Electives - The following do not satisfy requirements for the major, but they will contribute to y professional growth and to the total credits for graduation:	youi
CMSC 299 Independent Studyvaried cr	redit
498 Independent Study - Co-op/Internship	
499 Independent Study	redita
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ENGL 393 Technical Writing3	

Please refer to your degree audit to review general education requirements.