Student Name: _____

Computer Science

Latest Revision: July 31, 2013

Spare block

Freshman

- ENGL 101 (3)
- MATH 123 (4, C) → MATH 125 (4, C) → MATH 225 (4) → MATH 315 (3)
- Co-req Math 123 → CSC 150 (3, C) → CSC 251 (4)
- CSC 150 → CSC 250 (4, C)
- CSC 110 (1, F)

Sophomore

- ENGL 279 (3) → ENGL 289 (3)
- CSC 251 → CSC 300 (4)
- CSC 250 → CSC 300 (4)
- CSC 250 → CSC 314 (3, F)
- CSC 300 → *
- Pre-req of Math 123 → PHYS 211 (3)

Junior

- (CSC * 300) → CSC 484 (3, F)
- CSC 461 (3, S) → CSC 421 (3, F)
- * → CSC 372 (3, F) → CSC 470 (3, S) → CSC 465 (2, F) → CSC 467 (2, S)
- CSC 314 → CSC 317 (3, S)
- CSC 317 → CSC 456 (4, S)
- CSC 484 → CSC 465

Senior

- (MATH 125) → MATH 381 (3)
- MATH elective (3)

Entry Level Courses

Math: _____

Placement Exam:
Trig: _____
Algebra: _____

CS Electives

(4 courses are required)

- CSC 300 → CSC 410 (3, SO)
- CSC 300 → MATH 413 → CSC 412 (3)
- CSC 300 → Math 321 → CSC 415 (3, F)
- CSC 300 → CSC 426 (3)
- CSC 300 → Math 225 → CSC 433 (3, FE)
- CSC 251 → CSC 445 (3, SO)
- CSC 300 → CSC 447 (3, FO)
- CSC 300 → Math 381 → CSC 449 (3, FE)
- CSC 300 → Math 125 → CSC 464 (3, SO)
- Ceng 244 → MATH 381 → CENG 444 (4)

CO-OP (3)

Legend

Prerequisite → Course ### (Completed or Concurrent)

- Credit Hours
- Grade Required (if applicable)
- When Offered
  - F = Fall Semester
  - S = Spring Semester
  - O = Odd Number Years
  - E = Even Number Years
  - (blank) = Every Semester

* any CSC core class that has CSC 300 as a prerequisite also requires a C or better in CSC 300

Department of Mathematics and Computer Science Checklist of Requirements
For Students Declaring Their Major Fall 2013 or Later. 05/16/2013

B.S in Computer Science

Computer Science Courses

Class	Hrs
CSC 110 Survey of Computer Science	1_____
CSC 150 Computer Science 1	3_____
CSC 250 Computer Science 2	4_____
CSC 251 Finite Structures	4_____
CSC 300 Data Structures	4_____
CSC 314 Assembly Language	3_____
CSC 317 Computer Org & Arch	3_____
CSC 372 Analysis of Algorithms	3_____
CSC 421 Graphical User Interfaces	3_____
CSC 456 Operating Systems	4_____
CSC 461 Programming Languages	3_____
CSC 465 Senior Design I	2_____
CSC 467 Senior Design II	2_____
CSC 470 Software Engineering	3_____
CSC 484 Database Management	3_____
Upper Level CSC Elective *	3_____
Upper Level CSC Elective *	3_____
Upper Level CSC Elective *	3_____
Upper Level CSC Elective *	3_____
Total (minimum)	57 credits

* A minimum of four (4) computer science elective courses numbered 400 or above must be taken. A three (3)-credit Co-op may be substituted for one computer science elective. Special topics and independent study courses may not be used to satisfy the computer science elective requirement.

Science Courses

Class	Hrs
PHYS 211 University Physics I	3_____
Science Requirement **	3_____
Science Requirement **	3_____
Science Lab **	1_____
Science Lab **	1_____
Total	11 credits

** See list at the end of the next column for details on the science requirement.

Mathematics Courses

Class	Hrs
MATH 123 Calculus 1	4_____
MATH 125 Calculus 2	4_____
MATH 225 Calculus 3	4_____
MATH 315 Linear Algebra	3_____
MATH 381 Intro to Prob & Stats	3_____
MATH Elective +	3_____
Total	21 credits

+ At least three credits of a math lecture course that is from the following list: Math 321, Math 382, Math 353, Math 413, Math 421, Math 423, or Math 463.

Arts/Humanities & Social Sciences***

(*General Education requirement is 12 credits*)

ENGL 101 Composition I	3_____
ENGL 279 Tech Comm I	3_____
ENGL 289 Tech Comm II	3_____
Social Sciences	3_____
Social Sciences	3_____
Arts / Hum	3_____
Arts / Hum	3_____
Additional Hum/SS course	3 _____
Free Elective Credit #	7 _____
Total	31 credits

** Students must take three science courses with two accompanying labs. These courses must be selected from at least two different disciplines, and one science course must be PHYS 211. List of Science courses for the science requirement: PHYS 213, CHEM 112, CHEM 114, BIOL 151, BIOL 153, and GEOL 201.

***All majors must complete a minimum of 15 credits in the area of Humanities & Social Sciences

All majors must complete a minimum of 120 total credits. Please note that MATH 021, MATH 101, MATH 102, MATH 120, CSC 105, PHYS 111, PHYS 113, CHEM 106, and CHEM 108 will not count toward the major.