

Computer Science Major

Class of 2010 and beyond

Name: _____ Option(s): _____ 2nd Major: _____ Minor(s): _____

Note: The requirements of the Computer Science major include a number of CS and free electives. Some of these must be chosen to meet certain requirements of the Clarkson Common Experience. Additional details will be available in later editions of this checklist and of the CS student handbook.

COMMON TO ALL OPTIONS

Computer Science

(28 cr)
 CS141 ___ 4
 CS142 ___ 3
 CS241 ___ 3
 CS242 ___ 3
 CS341 ___ 3
 CS344 ___ 3
 CS345 ___ 3
 CS350 ___ 3
 CS444 ___ 3

Mathematics (15 cr)

MA131 ___ 3
 MA132 ___ 3
 MA211 ___ 3 (C2)
 MA339 or 239: _____ 4
 MA ___ ___ 3
 MA383 or 381: _____ 4
 MA ___ ___ 3

Science (12 cr)

A two-course sequence
 (PH131-132, PH141-142
 or CM131-132):
 _____ 4
 _____ 4
 At least 4 credits of PH,
 BY, CM or Science
 Foundation courses:
 _____ ___ ___
 _____ ___ ___

Common Experience

FY100 ___ 1
 UNIV190 ___ 3
 Five courses covering six
 Knowledge Areas:
 _____ ___ 3 (CGI)
 _____ ___ 3 (CSO)
 _____ ___ 3 (EC)
 _____ ___ 3 (IA)
 _____ ___ 3 (IG)
 _____ ___ 3 (STS)
 Four communication points,
 at least two CS300+:
 1. CS ___ ___ ___
 2. CS ___ ___ ___
 3. MA211 ___ ___
 4. MA211 ___ ___
 5. _____ ___ ___
 6. _____ ___ ___
 Professional experience: ___

<u>GENERAL OPTION</u>	<u>SOFTWARE DESIGN AND DEVELOPMENT</u>	<u>INFORMATION TECHNOLOGY</u>	<u>RESEARCH</u>
Two of 445, 455 or 460: CS ___ ___ 3 CS ___ ___ 3 One CS400+: CS ___ ___ 3 Two CS400+, EE368, 466, IS312, 314, COMM440, 442, 444: _____ 3 _____ 3	CS458 ___ 3 CS459 ___ 3 CS460 ___ 3 EE368 ___ 3 CS445 or 455: CS ___ ___ 3 One CS400+: CS ___ ___ 3 One MK, OM, OS or HP200: _____ 3	CS455 ___ 3 CS460 ___ 3 IS314 ___ 3 COMM341 ___ 3 (IA,C2) CS462, COMM440 or 442: _____ 3 COMM444 ___ 3 One CS400+: CS ___ ___ 3	CS445 ___ 3 CS447 ___ 3 CS455 or 460: CS ___ ___ 3 Two CS400+: CS ___ ___ 3 CS ___ ___ 3 Six credits of thesis or ugrad research, or two CS600+: CS ___ ___ 3 CS ___ ___ 3 Thesis (see handbook): ___
Free Electives _____ _____ _____ _____ _____ _____ _____ _____		Sem. QPA Credits _____ _____ _____ _____ _____ _____ _____ _____	
Total credits needed for graduation: _____ (Could be more than 120 because of courses that don't count.)			