

# CHECK-OFF LIST FOR COMPUTER SCIENCE MAJORS

For students entering the major in September 2007

Student: \_\_\_\_\_

Evaluated by: \_\_\_\_\_

Advisor: \_\_\_\_\_

Date: \_\_\_\_\_

## GENERAL ED AND FREE ELECTIVES

<b>Communication (9 s.h.)</b>	Semester	Grade	Trans Cr	Rowan Cr
College Composition I	_____	_____	_____	_____
College Composition II	_____	_____	_____	_____
Public Speaking	_____	_____	_____	_____

<b>Mathematics &amp; Science (16 s.h.)</b>	Semester	Grade	Trans Cr	Rowan Cr
Lab Sequence I* _____	_____	_____	_____	_____
Lab Sequence II* _____	_____	_____	_____	_____
Lab Science Choice* _____	_____	_____	_____	_____
Calculus I _____	_____	_____	_____	_____

\* Selected from Biology I, II, Physics with Calculus I, II, and Chemistry I, II. A two-semester sequence must be used.

<b>Social &amp; Behavioral Sciences (6 s.h.)</b>	Semester	Grade	Trans Cr	Rowan Cr
Computers and Society (WI recommended)	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

<b>History/Humanities/Languages (6 s.h.)</b>	Semester	Grade	Trans Cr	Rowan Cr
Literature _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

<b>Artistic &amp; Creative Experience (3 s.h.)</b>	Semester	Grade	Trans Cr	Rowan Cr
Choice _____	_____	_____	_____	_____

<b>Non Program Electives (Must be selected from SBS, HHL, or ACE banks) (6 s.h.)</b>	Semester	Grade	Trans Cr	Rowan Cr
Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

<b>Free Electives (12 s.h.)</b>	Semester	Grade	Trans Cr	Rowan Cr
<i>Note: Computer Lab Techniques is strongly recommended</i>				
Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

**Additional Requirements (please check)**  
\_\_\_\_\_ One of the above courses is labeled as Multicultural/Global Studies.  
\_\_\_\_\_ One of the above courses is labeled as Writing Intensive.

## MAJOR COURSES

Required (50 s.h.)	Semester	Grade	Trans Cr	Rowan Cr	Qpts
Discrete Structures	_____	_____	_____	_____	_____
Calculus II	_____	_____	_____	_____	_____
Linear Algebra	_____	_____	_____	_____	_____
Prob & Stat Inference Com Sys	_____	_____	_____	_____	_____
Intro to Object Oriented Prog.	_____	_____	_____	_____	_____
Obj Oriented Prog./Data Abstr	_____	_____	_____	_____	_____
Data Structures	_____	_____	_____	_____	_____
Computer Organization	_____	_____	_____	_____	_____
Foundations of Comp Sci	_____	_____	_____	_____	_____
Prin. of Software Engineering	_____	_____	_____	_____	_____
Programming Languages	_____	_____	_____	_____	_____
Prin. of Digital Computers	_____	_____	_____	_____	_____
Digital Computer Lab	_____	_____	_____	_____	_____
Design & Analysis of Algos	_____	_____	_____	_____	_____
Operating Systems	_____	_____	_____	_____	_____
Senior Project	_____	_____	_____	_____	_____

### Restricted Electives (12 s.h.)

Advanced Comp Arch	_____	_____	_____	_____	_____
Artificial Intelligence	_____	_____	_____	_____	_____
Compiler Design	_____	_____	_____	_____	_____
Computer Field Experience	_____	_____	_____	_____	_____
Computer Cryptography	_____	_____	_____	_____	_____
Computer Graphics	_____	_____	_____	_____	_____
Computer Vision	_____	_____	_____	_____	_____
Concurrent Programming	_____	_____	_____	_____	_____
Data Comm. & Networking	_____	_____	_____	_____	_____
Database Syst: Theory/Prog	_____	_____	_____	_____	_____
Distributed Systems	_____	_____	_____	_____	_____
Embedded Systems Prog	_____	_____	_____	_____	_____
Object Oriented Design	_____	_____	_____	_____	_____
Power Java	_____	_____	_____	_____	_____
Robotics	_____	_____	_____	_____	_____
Selected Topics in CS	_____	_____	_____	_____	_____
Software Eng. Practicum	_____	_____	_____	_____	_____
Systems Prog/O.S. Internals	_____	_____	_____	_____	_____
TCP / IP	_____	_____	_____	_____	_____
Theory of Computing	_____	_____	_____	_____	_____
Web Programming	_____	_____	_____	_____	_____
Wireless Networks	_____	_____	_____	_____	_____

GPA \_\_\_\_\_

**Note:** 1) A grade of C- or better is required for graduation in Calculus I, Discrete Structures, Introduction to Object Oriented Programming, Object Oriented Programming/Data Abstraction, Computer Organization and Data Structures. This policy applies whether these courses are taken locally or transferred.

2) A 2.5 grade point average in the required and restricted elective courses together with College Composition I, whether they are taken locally or transferred, is required for graduation (A = 4; B = 3; C = 2; D = 1; F = 0; "+" = +0.3; "-" = -0.3).

(UPDATED: GB 11/2006)