

**CHECK-OFF LIST FOR COMPUTER SCIENCE MAJORS**

For students entering the major in September 2008 or later

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

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

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

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

**GENERAL ED, ROWAN EXPERIENCE, AND FREE ELECTIVES**

*General Education courses and Rowan Experience courses must total at least 42 s.h.*

<b>Communication (6 s.h.)</b>	<b>Semester</b>	<b>Grade</b>	<b>Trans Cr</b>	<b>Rowan Cr</b>
College Composition I	_____	_____	_____	_____
College Composition II	_____	_____	_____	_____

**Mathematics & Science (7 s.h.)**

*Note: The science and mathematics courses listed in the "Required Courses" section below may be applied toward this requirement.*

Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

**Social & Behavioral Sciences (6 s.h.)**

*Note: The course Computers and Society (INTR 01.265 or 01.266) may be applied toward this requirement.*

Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

**History/Humanities/Languages (6 s.h.)**

Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

**Non Program Electives (Must be selected from SBS, HHL, or ACE banks) (6 s.h.)**

Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

**Free Electives (0 to 16 s.h.: The overall semester hours for the degree must total at least 120.)**

*Note: Computer Lab Techniques is strongly recommended*

Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____
Choice _____	_____	_____	_____	_____

**Rowan Experience Requirements (please fill in the course name)**

*Required courses, General Education courses, and free electives may all be used to meet Rowan Experience requirements. A single course may be used to meet more than one Rowan Experience requirement. A Rowan Seminar course is required only of students who enter Rowan as freshmen.*

Arts & Creative Experience	_____
Literature	_____
Multicultural/Global	_____
Public Speaking	_____
Rowan Seminar	_____
Writing Intensive	_____

**Computer Competency Requirement (please check when met) \_\_\_\_\_**

*The Computer Competency requirement is met by either the computer competency test or Computer Literacy.*

## MAJOR COURSES

Required (69 s.h.)	Semester	Grade	Trans Cr	Rowan Cr	Qpts
Discrete Structures	_____	_____	_____	_____	_____
Calculus I	_____	_____	_____	_____	_____
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	_____	_____	_____	_____	_____
Software Engineering I	_____	_____	_____	_____	_____
Programming Languages	_____	_____	_____	_____	_____
Prin. of Digital Computers	_____	_____	_____	_____	_____
Digital Computer Lab	_____	_____	_____	_____	_____
Design & Analysis of Algos	_____	_____	_____	_____	_____
Operating Systems	_____	_____	_____	_____	_____
Senior Project	_____	_____	_____	_____	_____
Computers & Society	_____	_____	_____	_____	_____
Lab Sequence I*	_____	_____	_____	_____	_____
Lab Sequence II*	_____	_____	_____	_____	_____
Lab Science Choice	_____	_____	_____	_____	_____

\* Selected from Biology 1& 2, Physics 02.200 & 02.201 (Intro. Mechanics, Intro Electricity & Magnetism), and Chemistry I & II. A two-semester sequence must be used.

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

Advanced Comp Arch	_____	_____	_____	_____	_____
Artificial Intelligence	_____	_____	_____	_____	_____
Compiler Design	_____	_____	_____	_____	_____
Computer Field Experience	_____	_____	_____	_____	_____
Computer Cryptography	_____	_____	_____	_____	_____
Intro 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 Engineering II	_____	_____	_____	_____	_____
Systems Prog/O.S. Internals	_____	_____	_____	_____	_____
TCP / IP	_____	_____	_____	_____	_____
Theory of Computing	_____	_____	_____	_____	_____
Web Programming	_____	_____	_____	_____	_____
Wireless Networks	_____	_____	_____	_____	_____
Intro to Inform Visualization	_____	_____	_____	_____	_____
Intro to Comp Animation	_____	_____	_____	_____	_____

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: ntt 11/2008)