

Name: _____

**COMPUTER SCIENCE
BACHELOR OF SCIENCE
MAJOR REQUIREMENTS 2005 - 2007
(Curriculum for Students Admitted in Fall 2005 or Later)**

Students in this program are required to complete General Requirements for Bachelor of Arts degree. Courses may be counted toward both Major and General Requirements. However, no course may fulfill two categories of General Requirements. (If you use any course for both Major and General Requirements, be sure to count the credits only ONCE toward the degree total.)

ADMISSION TO THE PROGRAM

Students wishing to pursue a major in computer science must have a grade point average of 2.5 or better in the following two courses: 50:198:111 and 50:198:113. Transfer students must achieve a grade point average of 2.5 or better in their first two computer science courses taken at Rutgers, not including 50:198:110 and 50:198:151. In addition, they must already have completed or received transfer credit for calculus (50:640:121 or 130). At the top of the next page, please list first two computer science courses used to satisfy the above requirement.

TOTAL DEGREE CREDITS REQUIRED : 120

TOTAL CREDITS COMPLETED: _____

SENIOR REVIEW APPROVAL BY FACULTY ADVISOR: _____

DATE OF REVIEW: _____

C = Complete

YOUR SIGNATURE & DATE: _____ 2005-2007

COMPUTER SCIENCE - BACHELOR OF SCIENCE

<u>COURSE TITLE</u>	<u>SUBJ. / COURSE</u>	<u>GRADE</u>
	198: _____	_____
	198: _____	_____

To continue in the program and graduate with a degree in computer science, a student must achieve a grade of C (2.0) or better in all computer science courses required for the major.

<u>COURSES REQUIRED</u>	<u>MIN. CREDITS</u>	<u>COURSES COMPLETED Subj.#: Course #</u>	<u>COMPLETED CREDITS SEM/YR</u>	<u>OFFICE SENIOR REVIEW</u>
PROGRAMMING FUNDAMENTALS	3	198:111	_____	_____
SOFTWARE LABORATORY I	1	198:112	_____	_____
OBJECT-ORIENTED PROGRAMMING	3	198:113	_____	_____
SOFTWARE LABORATORY II	1	198:114	_____	_____
MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	3	198:171	_____	_____
DATA STRUCTURES	3	198:213	_____	_____
INTRODUCTION TO COMPUTER ARCHITECTURE AND OPERATING SYSTEMS	3	198:231	_____	_____
PROGRAMMING LANGUAGE CONCEPTS	3	198:321	_____	_____
SOFTWARE METHODOLOGY AND ENGINEERING	3	198:323	_____	_____
DESIGN AND ANALYSIS OF ALGORITHMS	3	198:371	_____	_____
INTRO. TO THEORY OF COMPUTATION	3	198:476	_____	_____
SENIOR DESIGN PROJECT	3	198:493	_____	_____
COMPUTER SCIENCE ELECTIVES (12 credits, 300-400- level) At most 3 credits each of 198:494 and 198:497				
	3	198: _____	_____	_____
	3	198: _____	_____	_____
	3	198: _____	_____	_____
	3	198: _____	_____	_____
<u>COURSES REQUIRED OUTSIDE MAJOR:</u>				
UNIFIED CALCULUS I , II, III	12	640:121, 122, 221	_____	_____
APPLIED STATISTICS or INTRO. STATISTICS I, II	3 or 6	960:336 or 960:283,284	_____	_____
MATHEMATICS ELECTIVE 200 OR HIGHER	3	640: _____	_____	_____
ELEMENTS OF PHYSICS I AND LAB	4	750:131,133	_____	_____
ELEMENTS OF PHYSICS II AND LAB	4	750:132,134	_____	_____
NATURAL SCIENCE ELECTIVES (4 cr.) in Biological Sciences, Chemistry or Physics (excluding nonscience major courses)	4	_____	_____	_____