

# Concentration Contract: Sc.B. in Computer Science

Name \_\_\_\_\_

Graduation Year \_\_\_\_\_

**General instructions:** fill this out as well as possible, then complete it with your concentration advisor and have her or him sign it. Put in *only* those courses used for the concentration. Put check marks in the boxes in the leftmost column for those courses that have been completed. Any changes to your contract must be initialed and dated by your advisor. The contract must be reviewed and reapproved yearly. (If there are no changes, review is still required, but approval is automatic.)

**Completed**

**Will take when**

**Placement**

**Writing Course (a writing form *must* be filed for this requirement to be satisfied)**

<input type="checkbox"/>	_____	_____	<input type="checkbox"/>
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**Math Prerequisite**

<input type="checkbox"/>	Math course beyond 90 (except 420) or Applied Math 330	_____	<input type="checkbox"/>
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**Math Requirements**

<input type="checkbox"/>	CSCI 530, Math 520 or Math 540	_____	<input type="checkbox"/>
<input type="checkbox"/>	Approved Math or Applied Math course beyond Math 170	_____	<input type="checkbox"/>

**Science Requirements**

**Approved two-course sequence in Biology, Chemistry, Engineering, Geology, or Physics.**

<input type="checkbox"/>	_____	_____	<input type="checkbox"/>
<input type="checkbox"/>	_____	_____	<input type="checkbox"/>

## Core Computer Science

<input type="checkbox"/>	CSCI 150 (Intro to Programming and CSCI)	Fall _____
	CSCI 160 (Intro to Algs and Data Structs)	Spring _____
	or	
<input type="checkbox"/>	CSCI 170 (CSCI: Integrated Introduction I)	Fall _____
	CSCI 180 (CSCI: Integrated Introduction II)	Spring _____
	or	
<input type="checkbox"/>	CSCI 190 (Programming with Data Structures & Algorithms)	Fall _____
<input type="checkbox"/>	CSCI 220 (Intro to Discrete Math)	Spring _____
<input type="checkbox"/>	CSCI 310 (Intro to Computer Systems)	Fall _____
<input type="checkbox"/>	CSCI 320 (Intro to Software Engineering) <sup>†</sup>	Spring _____
<input type="checkbox"/>	CSCI 510 (Models of Computation)	Fall _____

<sup>†</sup>CS36, taken in either spring 2006 or spring 2007, may be used instead of CSCI 320.

## Advanced Computer Science

Seven courses in CS or related areas. All must be at the 1000 level or higher. Four of the seven courses must be chosen as two disjoint course pairs from the list of approved pairs (<http://www.cs.brown.edu/ugrad/concentrations/approvedpairs>). One course must be a theoretical CS course (CSCI 1490, 1510, 1550, 1570, 1590, 1730, or 1760), one must be an AI course (CSCI 1410, 1430, 1460, 1480, or 1490), and one must be a CS systems course (CSCI 1230, 1260, 1270, 1340, 1380, 1600, 1610, 1660, 1670, 1680, 1730, or 1900). No course may be used to satisfy more than one area requirement. Four of the seven courses must be CS courses. One course must be a capstone course, normally taken in the senior year. Students who took CS36 in either spring 2006 or spring 2007 may use CSCI 320 as one of the advanced courses. For such students, if an approved pair is in the systems area, then taking CSCI 320 is strongly recommended.

Course	Semester/Year	Satisfying					
		Pair 1	Pair 2	Theory	AI	Systems	Capstone
<input type="checkbox"/> _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The above is my plan for meeting the degree requirements. It is my responsibility to make certain that all courses taken at Brown for concentration credit, all courses taken at other schools for which transfer credit has been approved for concentration credit, and all AP credits appear on my transcript.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Advisor Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor Name (printed)

Reviewed and reapproved (at yearly meeting with concentration advisor):

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Advisor Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor Name (printed)

Reviewed and reapproved (at yearly meeting with concentration advisor):

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Advisor Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor Name (printed)