

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

Math Prerequisite

<input type="checkbox"/> Second-semester Calculus (e.g., Math 100, 170, or 190)	_____	<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

One introductory-course sequence.		
<input type="checkbox"/> CSCI 150 (Intro to Programming and CS)	Fall _____	
<input type="checkbox"/> CSCI 160 (Intro to Algs and Data Structs)	Spring _____	
or		
<input type="checkbox"/> CSCI 170 (CSCI: Integrated Introduction I)	Fall _____	
<input type="checkbox"/> CSCI 180 (CSCI: Integrated Introduction II)	Spring _____	
or		
<input type="checkbox"/> CSCI 190 (Programming with Data Structures & Algorithms)	Fall _____	
<input type="checkbox"/> Advanced CS course	_____	

Core Computer Science

Three intermediate courses, of which one must be math-oriented and one must be systems-oriented.

- CSCI 220 (Intro to Discrete Math) (math) Spring _____
- CSCI 450 (Intro to Probability and Computing) (math) Fall _____
- CSCI 310 or CSCI 330 (Intro to Computer Systems) (systems) Fall _____
- CSCI 320 (Intro to Software Engineering) (systems) Spring _____
- CSCI 510 (Models of Computation) (math) Fall _____

Advanced Computer Science

Eight courses in CS or related areas. All must be at the 1000 level or higher, though one may be an intermediate course not already used for concentration credit. Four of the eight courses must be chosen as two disjoint course pairs from the list of approved pairs (<http://www.cs.brown.edu/ugrad/concentrations/approvedpairs>) or approved by the director of undergraduate studies. One course must be a theoretical CS course (CSCI 1490, 1510, 1550, 1570, 1590, 1760, 1950H, 1950J, or 1950L), one must be an AI course (CSCI 1410, 1430, 1460, 1480, 1490, 1580, or 1950F), and one must be a CS systems course (CSCI 1230, 1260, 1270, 1290, 1320, 1340, 1380, 1600, 1660, 1670, 1680, 1730, or 1900). No course may be used to satisfy more than one area requirement. Five of the eight courses must be CS courses. One course must be a capstone course, normally taken in the senior year.

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"/>
<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)