Concentration Contract: Sc.B. in Computer Science

Name _____   Graduation Year _____

General Instructions: fill this out as well as possible, <u>print it</u>, and then complete it with your concentration advisor and have her/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.) Electronic submission is not available at this time.

Completed	**Will take when**	**Placement**	**Office Use Only**

Math Prerequisites

Second-semester Calculus (e.g., MATH 0100, MATH 0170, or MATH 0190)	_____		

Math Requirements

CSCI 0530, Math 0520 or Math 0540	_____		
Approved Math or Applied Math course beyond Math 0170 #_____	_____		

Core Computer Science

One introductory-course sequence:

CSCI 0150 (Intro to Programming and CS)	Fall _____
CSCI 0160 (Intro to Algs & Data Structs)	Spring_____
or	
CSCI 0170 (CS: Integrated Approach I)	Fall _____
CSCI 0180 (CS: Integrated Approach II)	Spring _____
Or	
CSCI 0190 (Programming and Data Structs & Algs	Fall _____
Advanced CS course (0180, an intermediate course, or an advanced course) _____	_____

Core Computer Science

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

CSCI 0220 (Intro to Discrete Math) (math)   Spring _____

CSCI 0450 or 1450 (Intro to Prob. and Computing) (math)   _____

CSCI 0310 or CSCI 0330 (Intro to Computer Systems) (systems)   Fall   _____

CSCI 0320 (Intro to Software Engineering) (systems)   Spring _____

CSCI 1010 (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://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, 1950L, or 1950Y), one must be an AI course (CSCI 1410, 1420, 1430, 1450, 1460, 1480, 1490, or 1580), and one must be a CS systems course (CSCI 1230, 1260, 1270, 1290, 1310, 1320, 1340, 1380, 1600, 1660, 1670, 1680, 1730, 1900, or 1950W). 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
_____	_____						
_____	_____						
_____	_____						
_____	_____						
_____	_____						
_____	_____						
_____	_____						
_____	_____						

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)