

Concentration Contract: Sc.B. in Applied Math/CS

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

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

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

<input type="checkbox"/>	Math 180 or Math 350 (Intermediate Calculus)	_____
<input type="checkbox"/>	Math 520 or Math 540 (linear Algebra)	_____
<input type="checkbox"/>	APMA 350 (Methods of Appl Math I)	_____
<input type="checkbox"/>	APMA 360 (Methods of Appl Math II)	_____
<input type="checkbox"/>	APMA 1170 or 1180 (Numerical Analysis)	_____

Core Computer Science

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

[†]CS36, taken in either spring 2006 or spring 2007, may be used instead of CSCI320.

Advanced Applied Math

Three courses: Choose one 1000-level two-course sequence and one other 1000-level course.

Two-Course Sequence (Choose one)

<input type="checkbox"/>	APMA 1200 (Operations Research: Prob. Models)	Fall _____
	APMA 1210 (Operations Research: Det. Models)	Spring _____
<input type="checkbox"/>	APMA 1650 (Statistical Inference I)	Fall _____
	APMA 1660 (Statistical Inference II)	Spring _____
<input type="checkbox"/>	Other approved 1000-level course _____	Fall _____
	Follow-on approved 1000-level course _____	Spring _____

One Additional 1000-level Applied Math Course

<input type="checkbox"/>	_____	_____
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Advanced Computer Science

Three courses in CS or related areas. All must be at the 1000 level or higher. Two of the courses must be chosen from the list of approved pairs found at <http://www.cs.brown.edu/ugrad/concentrations/approvedpairs>. Students who took CS36 in either spring 2006 or spring 2007 may use CSCI 320 as one of the advanced courses.

<input type="checkbox"/>	Course 1 of approved pair _____	_____
<input type="checkbox"/>	Course 2 of approved pair _____	_____
<input type="checkbox"/>	Other approved course _____	_____

Capstone Course

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