A.B. Behavioral Decision Sciences Requirements Worksheet

Please use this worksheet to help determine which courses you might take to complete a B.A. degree in Behavioral Decision Sciences (BDS). For the most recent version of this worksheet, always check copsy.brown.edu.

Your name: _____ Date of plan: _____

Behavioral Decision Sciences requires 13 courses. Please enter the course and term planned (or completed) for each requirement. A given course may only be counted towards one requirement in the concentration.

Foundations (three courses)

(1) CPSY 0220: Making Decisions (required for all BDS concentrators)

Requirement	Course Code and Name	Term completed or planned
1/13	CPSY 0220: Making Decisions	

(2) One of the following introductory courses:

- CPSY 0200: Human Cognition
- CPSY 0400: Cognitive Neuroscience
- CPSY 0450: Brain Damage and the Mind
- CPSY 0620: Social and Moral Development
- CPSY 0700: Social Psychology

Requirement	Course Code and Name	Term completed or planned
2/13		

(3) One of the following advanced courses:

- CPSY 0710: The Psychology and Philosophy of Happiness
- CPSY 1280B: Special Topics in Cognition: Collective Cognition and Collective Behavior
- CPSY 1280C: Topics in Cognition: Information and Decision Making
- CPSY 1470: Mechanisms of Motivated Decision Making
- CPSY 1495: Affective Neuroscience
- CPSY 1560: Visually-Guided Action and Cognitive Processes
- CPSY 1680A: Topics in Development: Social Learning
- CPSY 1680H: The Developmental Origins of Cooperation
- CPSY 1730: Psychology in Business and Economics
- CPSY 1750: Blame and Punishment
- CPSY 1760: The Moral Brain

Requirement	Course Code and Name	Term completed or planned
3/13		

Distribution Requirements (three courses)

(4) One of the following introductory courses:

- CPSY 0950: Introduction to Programming
- ECON 0110: Principles of Economics
- CSCI 0111: Computing Foundations: Data
- CSCI 0150: Introduction to Object-Oriented Programming and Computer Science
- CSCI 0170: Computer Science: An Integrated Introduction
- CSCI 0190: Accelerated Introduction to Computer Science

Requirement	Course Code and Name	Term completed or planned
4/13		

(5 & 6) Two of the following courses:

- CSCI 0410: Foundation of AI and Machine Learning
- CSCI 1420: Machine Learning
- ECON 1090: Introduction to Game Theory
- ECON 1110: Intermediate Microeconomics
- ECON 1130: Intermediate Microeconomics (Mathematical)
- ECON 1170: Welfare Economics and Social Choice Theory
- ECON 1200: History of Economic Thought
- ECON 1805: Experimental and Behavioral Economics
- ECON 1820: Theory of Behavioral Economics
- ECON 1870: Game Theory and Applications to Economics
- PHIL 1610: Decision Theory: Foundations and Applications
- PHIL 1430: Moral Theories
- SOC 1311: Micro-Organizational Theory: Social Behavior in Organizations
- SOC 1315: Macro-Organizational Theory: Organizations in Social Context

Requirement	Course Code and Name	Term completed or planned
5/13		
6/13		

Methods (two courses)

(7) Basic Probability and Statistics (choose one):

- CPSY 0900: Statistical Methods
- APMA 1650: Introduction to Probability and Statistics with Calculus
- APMA 1655: Introduction to Probability and Statistics with Theory
- CSCI 1450: Advanced Introduction to Probability for Computing and Data Science
- DATA 0200: Data Science Fluency

- ECON 1620: Introduction to Econometrics

Requirement	Course Code and Name	Term completed or planned
7/13		

(8) Advanced Methods (choose one):

- CPSY 1291: Computational Methods for Mind, Brain and Behavior
- CPSY 1492: Computational Cognitive Neuroscience
- ECON 1630: Mathematical Econometrics I
- ECON 1660: Big Data
- LING 1771: Introduction to Corpus Linguistics
- SOC 1120: Market and Social Surveys
- SOC 1260: Market Research in Public and Private Sectors
- CSCI 0111: Computing Foundations: Data
- CSCI 0150: Introduction to Object-Oriented Programming and Computer Science
- CSCI 0170: Computer Science: An Integrated Introduction
- CSCI 0190: Accelerated Introduction to Computer Science
- CSCI 0200: Program Design with Data Structures and Algorithms
- …or any advanced course in Computer Science beyond the introductory set of classes.

Requirement	Course Code and Name	Term completed or planned
8/13		

<u>Research Methods and Design (one course)</u>

(9) Basic Probability and Statistics (choose one):

- CPSY 1791: Laboratory in Social Cognition
- CPSY 1890: Laboratory in Psycholinguistics
- CPSY 1900: Research Methods And Design
- CPSY 1901: Research Methods
- ECON 1629: Applied Research Methods for Economists
- IAPA 1500A: Ethnographic Research Methods
- POLS 1600: Political Research Methods
- SOC 1020: Methods of Social Research
- SOC 1260: Market Research in Public and Private Sectors

Requirement	Course Code and Name	Term completed or planned
9/13		

Electives (three courses)

(10, 11, 12) Specialization electives (choose three):

Students will choose three additional courses in consultation with a concentration advisor that will constitute an integrated specialization in some area of decision science. Any advanced course taught at Brown is eligible.

Requirement	Course Code and Name	Term completed or planned
10/13		
11/13		
12/13		

Please write a brief (one sentence) description of your specialization topic in the box below:

My tentative specialization topic:

Capstone Course (one course)

(13) CPSY 1960: Senior Seminar in Behavioral Decision Sciences

- This is the capstone course, and is required for all BDS concentrators.

Requirement	Course Code and Name	Term completed or planned
13/13	CPSY 1960: Senior Seminar in BDS	

Some guidelines to remember:

- **A specialization topic and three specialization electives cannot be approved without an in-person conversation with a BDS concentration advisor. Make sure to do this before declaring BDS.**
- Students will be expected to take no more than 6 courses below the 1000-level within the concentration.
- Students with multiple concentrations may not apply more than 2 courses from a second concentration to the A.B. in Behavioral Decision Sciences. This requirement is strictly enforced, without exceptions. Similar limits apply when counting courses towards BDS and a certificate; check with your certificate advisor.
- Students are responsible for satisfying all prerequisites for courses they plan to take.
- Students who are considering (1) going abroad or (2) pursuing Honors in BDS should consult a concentration advisor as early as possible, as this will likely impact required courses and the timeline for completing them.