

Decision Science (BHA Concentration)

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BHA Decision Science Concentration

(84 units minimum)

Decision Science is grounded in theories and methods drawn from psychology, economics, philosophy, statistics, and management science. Courses in the BHA concentration in Decision Science cover the three aspects of decision science: (a) normative analysis, creating formal models of rational choice; (b) descriptive research, studying how cognitive, emotional, social, and institutional factors affect judgment and choice, and (c) prescriptive interventions, seeking to improve judgment and decision making. In addition to gaining a broad education in the principles of judgment and decision making, students with a concentration in Decision Science gain broadly applicable skills in research design and analysis. They also have the chance to think about and discuss decision making in many different areas.

Disciplinary Perspectives (5 courses, 48 units)

		Units
73-102	Principles of Microeconomics	9
or 73-104	Principles of Microeconomics Accelerated	
85-100	Introduction to Psychology	9
88-120	Reason, Passion and Cognition -First-year or Sophomore year	9
88-223	Decision Analysis	12
88-302	Behavioral Decision Making	9

Research Methods (2 courses, 18 units)

36-202	Methods for Statistics & Data Science	9
or 36-309	Experimental Design for Behavioral & Social Sciences	
or 85-309	Statistical Concepts and Methods for Behavioral and Social Science	
88-251	Empirical Research Methods	9

Electives (2 course, 18 units minimum)

Complete two courses (at least 18 units) from the following category of courses. Note that not all elective courses are offered every year.

88-150	Managing Decisions	9
88-221	Markets, Democracy, and Public Policy	9
88-230	Human Intelligence and Human Stupidity	9
88-231	Thinking in Person vs. Thinking Online	9
88-234	Negotiation: International Focus	9
88-235	Negotiation: Strategies and Behavioral Insights	9
88-237	The Happy Cyborg	9
88-252	Causal Inference: from Data to Decisions	9
88-255	Strategic Decision Making	9
88-261	Health Policy and Decision Making	9
88-262	Rationality and Irrationality in Medicine	9
88-270	AI and Social Upheaval	9
88-275	Bubbles: Data Science for Human Minds	9
88-285	Deconstructing and Dismantling Discrimination	9
88-290	Confessions, Lies, and Gossip	9
88-300	Programming and Data Analysis for Social Scientists	9
88-312	Decision Models and Games	9
88-342	The Neuroscience of Decision Making	9
88-344	Systems Analysis: Environmental Policy	9
88-348	Behavioral Finance	9
88-360	Behavioral Economics	9
88-365	Behavioral Economics and Public Policy	9
88-366	Behavioral Economics of Poverty and Development	9
88-367	Designing Economics Experiments in the Wild	9
88-372	Social and Emotional Brain	9
88-379	Data-Driven Decision Analysis	9
88-436	Human-AI Complementarity for Decision Making	9
88-451/452	Policy Analysis Senior Project	12
88-454	Decision Science Capstone	9