

# BHA-Decision Science

Fall 2023

## Bachelor of Humanities and Arts (BHA)

### **Dietrich College (DC) Concentration in Decision Science** **84 units (minimum)**

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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 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.

BHA students take at least 9 courses in their DC concentration, for a minimum of 81 units. A completed DC Concentration Declaration Sheet must be approved by the concentration advisor and submitted to the BXA office by spring mid-semester break of the student's sophomore year. BHA students who are admitted through internal transfer must have chosen a DC concentration at the time of their application, which serves as declaration.

### **Disciplinary Perspectives** **(5 courses, 48 units)**

73-102	Principles of Microeconomics	9
or 73-104	Principles of Microeconomics Accelerated	
85-102	Introduction to Psychology	9
88-120	Reason, Passion and Cognition (freshman 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

### **Capstone** **(1 course, 9 units)**

88-454	Decision Science Capstone	9
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### **Electives** **(1 course, 9 units minimum)**

Complete one course (at least 9 units) from the following category of courses. Note that not all elective courses are offered every year.

Biological and Behavioral Aspects of Decision Making:

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
88-252	Cause and Effect	9
88-255	Strategic Decision Making	9
88-275	Bubbles: Data Science for Human Minds	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
88-355	Social Brains: Neural Bases of Social Perception and Cognition	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	Behavioral Economics & Field Experiments in Organizations	9
88-372	Social and Emotional Brain	9
88-380	Dynamic Decisions	9
88-388	Psychological Models of Decision Making	9
88-405	Risk Perception and Communication	9
88-406	Behavioral Economics @ Work	9
88-418	Negotiation: Strategies and Behavioral Insights	9
88-419	International Negotiation	9
88-435	Decision Science and Policy	9
88-444	Public Policy and Regulation	9
88-451/452	Policy Analysis Senior Project	12