

ETHICS OF DATA AND ARTIFICIAL INTELLIGENCE, CERTIFICATE

REQUIREMENTS

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Students must complete five courses of a minimum of 3 credits each for a minimum of 15 total credits. Students must complete distinct courses in each requirement; they may not reuse courses to meet multiple requirements.

Code	Title	Credits
Foundation A: Philosophical Reasoning and Writing		
Complete one course of at least 3 credits from:		3-4
PHILOS 101	Introduction to Philosophy	
PHILOS 104	Special Topics in Philosophy for Freshmen	
PHILOS 141	The Meaning of Life	
PHILOS 241	Introductory Ethics	
PHILOS 243	Ethics in Business	
PHILOS 244	Introductory Artificial Intelligence (AI) and Data Ethics	
PHILOS 304	Topics in Philosophy: Humanities	
PHILOS 320	Philosophy of Science	
PHILOS 340	19th Century Philosophy: Idealism and Its Critics	
PHILOS 341	Contemporary Moral Issues	
PHILOS/ MED HIST 344	Food Ethics	
Foundation B: Technical Basis		
Complete one course of at least 3 credits from:		3-4
COMP SCI 220	Data Science Programming I	
COMP SCI 540	Introduction to Artificial Intelligence	
ECON 310	Statistics: Measurement in Economics	
L I S 351	Introduction to Digital Information	
L I S 408	Generative Artificial Intelligence: Strategic Application, Evaluation, and Critique	
L I S 440	Navigating the Data Revolution: Concepts of Data & Information Science	
PSYCH 210	Basic Statistics for Psychology	
STAT 240	Data Science Modeling I	
STAT 301	Introduction to Statistical Methods	
STAT 324	Introduction to Statistics for Science and Engineering	

STAT 371	Introductory Applied Statistics for the Life Sciences	
SOC/ C&E SOC 360	Statistics for Sociologists I	
Ethics Requirement		
Complete one course of at least 3 credits from:		3
PHILOS 241	Introductory Ethics	
PHILOS 243	Ethics in Business	
PHILOS 244	Introductory Artificial Intelligence (AI) and Data Ethics	
PHILOS 341	Contemporary Moral Issues	
PHILOS/ MED HIST 344	Food Ethics	
PHILOS/ ENVIR ST 441	Environmental Ethics	
PHILOS 541	Modern Ethical Theories	
PHILOS 543	Special Topics in Ethics	
PHILOS/L I S 544	Advanced Ethics of Data and Artificial Intelligence	
PHILOS 549	Great Moral Philosophers	
L I S 461	Data and Algorithms: Ethics and Policy	
L I S 462	Data and Algorithms: Ethics and Policy (Communications Intensive)	
Distribution Requirement		
<i>Distribution 1</i>		
Complete one course of at least 3 credits from:		3
COM ARTS 343	Human Communication in the Age of Artificial Intelligence (AI)	
COMP SCI 540	Introduction to Artificial Intelligence	
HIST SCI/ILS 330	Can Machines Think?: The History of Artificial Intelligence, 1650-Present	
L I S 408	Generative Artificial Intelligence: Strategic Application, Evaluation, and Critique	
PHILOS/L I S 544	Advanced Ethics of Data and Artificial Intelligence	
<i>Distribution 2</i>		
Complete one course of at least 3 credits from:		3
ART HIST 102	Seeing Through Conspiracy Theories	
HIST SCI 150	The Digital Age	
L I S/ LEGAL ST 460	Surveillance, Privacy, and Police Powers	
L I S 461	Data and Algorithms: Ethics and Policy	
L I S 462	Data and Algorithms: Ethics and Policy (Communications Intensive)	
PHILOS 551	Philosophy of Mind	

Total Credits 15

RESIDENCE AND QUALITY OF WORK

- At least 8 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

CERTIFICATE COMPLETION REQUIREMENT

This undergraduate certificate must be completed concurrently with the student's undergraduate degree. Students cannot delay degree completion to complete the certificate.