

The Human-Centered Data Science Certificate-Completion Form

Name:	ID #:

Student must take two DS/CS Core courses, one from each of the following categories:

Algorithms

CRSE #	Title	Yr/Sem	Grade	Instructor
CSE 582	Computer Science Fundamentals: Data			
	Structures and Algorithms			
AMS				
542/CSE	Analysis of Algorithms			
548				
AMS				
561/DCS	Introduction to Computational and Data			
521	Science			

Machine Learning

CRSE #	Title	Yr/Sem	Grade	Instructor
AMS 580	Statistical Learning			
AMS 520	Machine Learning in Quantitative Finance			
CSE 512	Machine Learning			

Student must take two electives. At least one must be outside of the student's home department and not cross-listed.

CRSE #	Title	Yr/Sem	Grade	Instructor
AFS 502	Mixed Methods in Social/Behavioral Research			
AFS 533	Race, Gender, and Globalization			
*CSE 564	Visualization			
ECO 522	Introduction to Labor Economics			
ECO 612	Dynamic Macroeconomic Modeling			
ECO 640	Labor Economics			
*ISE 503	Data Management			
LIN 521	Syntax I			
LIN 523	Phonology I			
LIN 637	Computational Linguistics 2			
NEU 534	Principles of Neurobiology			
NEU 536	Introduction to Computational Neuroscience			

NEU 537	Neurotransmission and Neuromodulation
NEU 547	Introduction to Neural Computation
POL 633	Social Influence and Group Processes in
	Political Decision Making
POL 676	Advanced Topics: Methods 1
PSY 507	Meta Analysis
PSY 513	Attention
PSY 520	Psycholinguistics
PSY 549	Prejudice and Discrimination
PSY 620	Bayesian Analysis
SOC 504	Logic and Practice of Sociology
SOC 556	Political Sociology
SOC 561	Cultural Sociology

^{*}Non-CS students only

Non-listed electives may be used to satisfy the electives requirement with prior permission of the certificate program's director.

List additional elective courses below:

CRSE #	Title	Yr/Sem	Grade	Instructor

In addition to the 12-credits, all students enrolled in the HCDS Certificate will have to complete the online Citi Training Module, "Human Research," (for 0 credits; students will receive a certificate of completion to document this requirement). https://www.citiprogram.org/ Please attach the certificate of completion to this form.

Certificate Program Director Signature Susan E. Brennan	Date
Coordinator Signatura	Data
Coordinator Signature	Date
Kristen Kalb-DellaRatta	