Stony Brook University

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 548	Analysis of Algorithms			
AMS 561/DCS 521	Introduction to Computational and Data 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 **Date**
Susan E. Brennan

Coordinator Signature **Date**
Atefeh Hamedi