DIGITAL HUMANITIES AND DATA STUDIES CERTIFICATE

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The Certificate in Digital Humanities and Data Studies offers an engaging, meaningful way to articulate individual interests in the humanities and social sciences with practical digital toolsets. This is a combination of skills that is particularly appealing to employers and vital to lifelong learners. Upon successful completion of the certificate, students will

1. understand how advances in computer processing led to the development of the digital humanities and data studies in fields traditionally thought of as part of the arts and sciences;
2. consider the major issues in the digital humanities and data studies today;
3. understand the theoretical and structural principles underlying digital projects. These include information design and retrieval, user design, and information structures; and
4. experience working collaboratively on real-world projects.

With a knowledge of Digital Humanities and Data Studies, students can engage in such techniques as:

- Website design and publishing
- Data curation, digitization, and archiving
- Text Analysis
- Data Mining
- Coding
- Data Visualization
- Modeling and Simulation
- Geospatial Analysis and Mapping
- Multi-media Storytelling
- Information Design
- Network Analysis
- Interface Design
- Text Mark-up
- Electronic Research, Digital Publishing

The undergraduate certificate in Digital Humanities and Data Studies consists of four academic courses of 3 credits each, plus a 3-credit internship, for a total of 15 credits. Two of the academic courses must be from computing and data science and two must be from other disciplines. Two internship opportunities are available: IDIS 3881 Spcl Tpc - Lib Stu Internship or an internship in the student's major area.

Code	Title	Hours
Required Courses		
Select one:		*3*
DAVA 3000	Data Visualization	
DAVA 3010	Data Mining	
DAVA 3111	Text Mining	
Select one:		*3*
CSAS 1113	Computing for Science Majors	
CSAS 1114	Intro to Program Design I	
ISCI 1117	Computing for Informatics	
MATH 1203	Stats Models for Soc Science	
MATH 2111	Statistics for Science Majors	
MATH 2711	Intro Probability - Statistics	
BMIE 1001	Real World Technologies	
Select two:		*6*
ENGL 3120	Intro to Digital Humanities	
ADIM 2315	User Experience & Interface Design I	
ANTH 1210	Culture and Communication: Introduction to Linquistic Anthropology	
ASIA 1403	History of Asian Relig Reflect	
ENGL 3425	The City - American Literature	
HIST 1301	American History I	
HIST 1302	American History II	
HIST 2315	History of New York City	
POLS 2110	Contemporary Issues in U.S. Public Policy	
POLS/ENVL 2910	Research Methods	
	Independent Study Course [*]	
Internship		
IDIS 3881	Spcl Tpc - Lib Stu Internship [**]	3
Total Hours		**15**

[*] When approved by the coordinator of the certificate

[**] 3-credit Internship (IDIS 3881 or in departmental major) or, with the approval of the program advisor, an additional elective course.