

# DIGITAL HUMANITIES - GRADUATE CERTIFICATE

The digital humanities graduate certificate welcomes students from all disciplines, including the humanities and arts, social sciences, natural sciences, computational and mathematical sciences, engineering, and communication, media and information science. The certificate prepares students to:

- create, utilize and evaluate digital methods and tools for research;
- integrate methods and tools into their teaching;
- assess the diverse impacts of technologies on people and society; and
- leverage digital technologies for public outreach and engagement.

Through an interdisciplinary curriculum, the certificate provides graduate students from across campus the opportunity to explore the evolution and variety of digital humanities theories and practices and to study approaches in the field in-depth. Moreover, the certificate is intended to stimulate collaborations among graduate students in a range of fields, thus preparing them for work in a team-based environment.

For additional details, including the procedures to declare and complete the certificate, visit the Digital Humanities Graduate Certificate (<https://www.colorado.edu/crdds/dhgc/>) webpage.

## Requirements

### Required Course and Credits

The certificate consists of course requirements only, at least 9 credit hours at the graduate level with an average GPA of 3.0 (B) or better.

In addition to the core course, students must choose two elective courses to complete the certificate. Certain special topics courses also count as electives. For a full list, please visit the certificate website's Elective Courses (<https://www.colorado.edu/crdds/what-we-do/digital-scholarship/digital-humanities-graduate-certificate/elective-courses/>) webpage.

Code	Title	Credit Hours
<b>Core Course</b>		<b>3</b>
DHUM 5000	Introduction to Digital Humanities: Movements, Methods, and Tools	
<b>Electives</b>		<b>6</b>
ARTS 5316/ IAWP 6700	History and Theory of Digital Art	
ATLS 5040	Game Design	
ATLS 5120	Mobile Application Development	
ATLS 5214	Big Data Architecture	
ATLS 5244	Empathy and Technology	
ATLS 5410	Creative Technologies	
ATLS 5440	Design Studio	
ATLS 5630	Web Front-End Development	
CMDP 7100	Historical Overview of Media Arts and Technology	
CMDP 7200	Research and Methodologies I	
CMDP 7500	Production Methods I	

COMM 5720	Readings in Communication and Technology
CSCI 5352	Network Analysis and Modeling
CSCI 5502	Data Mining (Same as CSCI 4502)
CSCI/LING 5832	Natural Language Processing
GEOG 5043	Advanced Geovisualization and Web Mapping
GEOG 5103	Geographic Information Science: Spatial Analytics
GEOG 5203	Geographic Information Science: Spatial Modeling
GEOG 5403	Geographic Information Science: Space Time Analytics
GEOG 5603	GIS in the Social and Natural Sciences
HIST 6790	Readings in Digital History
IAWP 6100	Theory and Practice of Doing
IAWP 6800	Intermedia Seminar (Media Archaeologies, Old and New)
INFO 5501	Open Collaboration
INFO 5502	Online Communities
INFO 5504	Digital Identity
INFO 5506	Online Fandom
INFO 5507	Data and the Humanities
INFO 5601	Ethical and Policy Dimensions of Information and Technology
INFO 5602	Information Visualization
INFO 5604	Applied Machine Learning
INFO 5613	Network Science
INFO 6301	Computation for Research in Information Science
JRNL 5001	Media Technology Boot Camp
JRNL 5344	Video Documentary Production
JRNL 5521	Data Journalism
JRNL 5562	Digital Journalism
LING 5200	Introduction to Computational Corpus Linguistics
MDST 5001	Connected Media Practices
PSCI 7185	Political Network Analysis
STAT 5680	Statistical Collaboration
STAT 5700	Philosophical and Ethical Issues in Statistics

**Total Credit Hours** 9

### Capstone Project

Though not required to complete the certificate, students may also complete a 1-3 credit Digital Humanities capstone project in collaboration with other students under the guidance of a faculty advisor.