DIGITAL STUDIES UNDERGRADUATE CERTIFICATE

Introduction

From social media and mobile phones to the algorithms in self-driving cars, digital and information technologies are everywhere. The Digital Studies Certificate provides students with the opportunity to investigate the relationships between new communication technologies and society and to develop skills creating digital media messages and products.

Social sciences and humanities majors can use this certificate to develop and demonstrate their technical skills, while science and engineering students can use it to build expertise in understanding the social and cultural aspects of new technologies. Students from any CU Denver school or college who earn the Digital Studies Certificate will be able to demonstrate to a wide range of potential employers or graduate schools that they have both technical skills and the ability to critically analyze new media. Students who successfully complete the Digital Studies Certificate will be able to:

- Describe and analyze the relationships between digital media and their cultural, social, political, and ethical contexts

- Use digital media to communicate messages to a variety of audiences

- Use digital media to solve problems in a range of disciplines and situations

- Use digital media and related analytical skills as career-building tools

Program Delivery

- This is a hybrid program, with courses on-campus and online.

Declaring This Certificate

- Eligibility: CU Denver students in any discipline can enroll in the program at any point in their undergraduate studies.

- CLAS's Interdisciplinary Studies program sponsors the certificate, and the CLAS Director of Digital Initiatives will provide advising and administrative management.

- Application Procedures: Students are encouraged to apply for the Digital Studies Certificate at any point in their undergraduate studies. To apply, students should print and complete a Digital Studies Certificate Application and submit it to the CLAS Director of Digital Initiatives.

- For questions about the Digital Studies Undergraduate Certificate contact Dr. John Tinnell (John.Tinnell@UCDenver.edu (john.tinnell@ucdenver.edu)).

These program requirements are subject to periodic revision by the academic department, and the College of Liberal Arts and Sciences reserves the right to make exceptions and substitutions as judged necessary in individual cases. Therefore, the College strongly urges students to consult regularly with their Digital Studies advisor to confirm the best plans of study before finalizing them.

General Requirements

Students must satisfy all requirements as outlined below and by the department offering the certificate.

- Click here (http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/) for information about Academic Policies

Program Requirements

1. Students must complete a minimum of 12 credits of required courses chosen from the approved courses in each cluster: one course (three credits) from each of the three clusters (for a total of nine credits), plus the remaining three credits from any one of the three clusters.

2. Students must complete a minimum of six upper division (3000-level and above) credits, taken from the approved courses below.

3. Students must earn a minimum grade of B (3.0) in all courses that apply to the certificate and must achieve a minimum cumulative certificate GPA of 3.0. All graded attempts in required and elective courses are calculated in the certificate GPA. Courses taken using P+/P/F or S/U grading cannot apply to certificate requirements.

4. Students must complete all credits applied to the certificate with CU Denver faculty.

Program Restriction, Allowances and Recommendations

1. The certificate will be awarded when a student graduates with the bachelor's degree.

2. Co-curricular requirement: Students must attend at least three Career Center sessions, which can include events, workshops, or one-on-one appointments.

Digital Studies Certificate Course Clusters

- **Theory and Analysis:** Courses in this cluster focus on theorizing, explaining, and describing the relationships between digital, media, and communication technologies and society. They enable students to critically assess and analyze digital media and information, such as understanding the biases in seemingly neutral Google search results or examining how people use Twitter to build social movements

- **Digital Media Production:** Courses in this cluster focus on developing hands-on skills in the use of digital, media, and communication technologies. They provide opportunities for students to develop their skills with a variety of digital tools, such as digital photography, mapping, and social media management.

- **Integration:** Courses in this cluster bring together both understanding and using digital, media, and communication technologies.

Other courses may apply to each cluster with the approval of the Director of Digital Initiatives certificate advisor.

Code	Title	Hours
Complete one course (three credits) from each of the three clusters (for a total of nine credits), plus three elective credits from any one of the three clusters.		
Courses must come from at least two different subject codes.		
Complete one of the following Theory and Analysis cluster courses:		3
ANTH 2400	Exploring Culture through Social Media	
BUSN 6610/ ISMG 6180	Information Systems Strategy	
COMM 2030	Digital Democracy	
COMM 3650	Media and Society	
COMM/WGST 4610	Communication, Media, and Sex	
COMM 4660/5660	Queer Media Studies	
COMM 4760	New Media and Society	
ENGL 2060	Introduction to Writing & Digital Studies	
ENTP 6022	Digital Disruption	
GEOG 2080	Introduction to Mapping and Map Analysis	
INTE 4320/5320	Games and Learning	
ISMG 2050	Business Problem Solving Tools	
ISMG 3000	Technology In Business	
MUSC 3700	Music and Entertainment Business in the Digital Age	
PHIL 4920/5920/ HUMN/SSCI 5920	Philosophy of Media and Technology	
SOCY 1011	From Killer Apps to Killer Bots: Technology and Social Change	
Complete one of the following Digital Media Production cluster courses:		3
COMM 2071	Media Writing Skills	
COMM 2081	New Media Production and Management	
ENGL 3084	Digital Writing and Storytelling	
ENGL 4190/5190	Advanced Topics in Writing, Rhetoric, & Linguistics (topic must be pre-approved by director)	
ENGL 4701	Multimedia in the Community	
FINE 1810	Digital 3D Foundations	
FINE 1820	Animation Foundations	
FINE 2155	Introduction to Digital Photography	
FINE 2405	Introduction to Digital Design	
FINE 3400	Designing for Web and Mobile Apps	
GEOG 4080/5080	Introduction to GIS	
GEOG 4081/5081	Cartography	
INTE 4340/5340	Learning with Digital Stories	
INTE 4680/5680	Producing Media for Learning	
IWKS 2300/5350	Fundamentals of Computational Innovation	
IWKS 3100/5170	3D Design, Computation and Prototyping	
Complete one of the following Integration cluster courses:		3
ANTH 4800/5800	Special Topics in Medical Anthropology	
COMM 2051	Introduction to Strategic Communication	
COMM 3660	Social Media for Social Change	
COMM 4558/5558	Digital Health Narratives	
ENGL 4190/5190	Advanced Topics in Writing, Rhetoric, & Linguistics (topic must be pre-approved by director)	
ENGL 5165	Literacy and Technology	
HIST 3260/5260	Introduction to Digital Studies	
HIST 4261/5261	Working With Data	
INTE 4665/5665	Learning with Social Media and Networking	
INTE 4711/5711	Creative Designs for Instructional Materials	
IWKS 2100	Human-Centered Design, Innovation and Prototyping	
IWKS 3180/5180	Inworks: Choose Your Own Adventure: Experiences in Design, Innovation and Prototyping	
IWKS 3200/5200	Data Science for Innovators	
IWKS 3700/5700	Innovation and Society	
PUAD 4003	Strategic Communications for Public Engagement	
Complete one additional course from any one of the three course clusters.		3
Total Hours		**12**

To learn more about the Student Learning Outcomes for this program, please visit our website (https://clas.ucdenver.edu/digital-studies-certificates/undergraduate-certificate/).