

REQUEST TO ADD OR CHANGE AN UNDERGRADUATE ACADEMIC CERTIFICATE PROGRAM AND/OR REQUEST FOR RECOGNITION ON THE UNIVERSITY TRANSCRIPTS¹

- Type of Proposal:** New Certificate Program
 Change an Existing Certificate Program
 Delete a Program

Note: If the certificate program proposed for addition or change includes a requirement of 21 to 24 semester credit hours, an additional form is required for THECB approval/notification.²

Proposed classification:³ Exclusive General Major

1. IF THE ANSWER TO ANY OF THE FOLLOWING QUESTIONS IS YES, THE COLLEGE MUST CONSULT LINDA DICKENS, DIRECTOR OF ACCREDITATION AND ASSESSMENT, TO DETERMINE IF SACSCOC APPROVAL IS REQUIRED.

- Is this a new transcript-recognized certificate program? Yes No
- Is this a request to delete an existing transcript-recognized certificate program? Yes No
- Does the certificate offer courses that will be taught off campus? Yes No
- Will courses in this program be delivered electronically? Yes No
- Will courses be developed specifically for the new certificate? Yes No

2. THIS PROPOSAL INVOLVES: (Please check all that apply)

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Courses in other colleges | <input checked="" type="checkbox"/> Courses in proposer's college that are frequently taken by students in other colleges | <input type="checkbox"/> Flags |
| <input type="checkbox"/> Course in the core curriculum | <input type="checkbox"/> Change in course sequencing for an existing program | <input checked="" type="checkbox"/> Courses that have to be added to the inventory |
| <input type="checkbox"/> Change in admission requirements (external or internal) | <input type="checkbox"/> Requirements not explicit in the catalog language (e.g., lists of acceptable courses maintained by department office) | |

3. SCOPE OF PROPOSED CHANGE:

- a. Does this proposal impact other colleges/schools? Yes No
If yes, then how? *Courses in other schools will be recognized to certificate*
- b. Do you anticipate a net change in the number of students in your college? Yes No
If yes, how many more (or fewer) students do you expect?
- c. Do you anticipate a net increase (~~or decrease~~) in the number of students from outside of your college taking classes in your college? *30 students/year* Yes No
If yes, please indicate the number of students and/or class seats involved. *30 students/year*
- d. Do you anticipate a net increase (~~or decrease~~) in the number of students from your college taking courses in other colleges? Yes No
If yes, please indicate the number of students and/or class seats involved. *30 students/year*

If 3 a, b, c, or d was answered with yes, please answer the following questions. If the proposal has potential budgetary impacts for another college/school, such as requiring new sections or a non-negligible increase in the number of seats offered, at least one contact must be at the college-level.

How many students do you expect to be impacted? *30 students/year*
 Impacted schools must be contacted and their response(s) included: *iSchool*
 Person communicated with: *Dean Andrew Dillon*

Date of communication: *continuously*
 Response: *positive*

4. **OFFICIAL CERTIFICATE NAME:** Undergraduate Certificate: *Digital Humanities*

5. **CIP CODE** (administrative unit awarding the certificate):⁴ *iSchool (or: 24.0199)*

6. **STATEMENT OF OBJECTIVE:**⁵

Digital Humanities Certificate
The Digital Humanities represent the area of study where humanities disciplines engage digital tools, archives, and artifacts. This certificate is designed to introduce students to the ideas, materials and computational tools that underlie this field. It is open to students of all majors. Students take 18 credit hours from a selection of courses taught in different departments and colleges at UT and must earn a letter grade of C- or better in all courses required for certification. Some courses required by the certificate may also fulfill degree requirements established by a student's major department.
To earn the Certificate, students must take:
(1) An introduction to the Digital Humanities,
(2) 12 hours of coursework including at least one skills-based course,
(3) A capstone course involving project-based Digital Humanities work.

7. **NUMBER OF STUDENTS EXPECTED TO RECEIVE THE CERTIFICATE EACH SEMESTER:** *15 per long semester*

8. **NUMBER OF HOURS REQUIRED FOR COMPLETION (Note: If the number of required hours is 21 to 24, THECB form is required):**⁶ *18 hours*

9. **LIST FACULTY ON THE CERTIFICATE PROGRAM FACULTY COMMITTEE.**⁷

Name of Faculty Member	College/Department	Title at UT Austin	Highest Degree and Awarding Institution
Tanya Clement	School of Information	Assistant Prof.	Ph.D., University of Maryland, College Park
Amelia Acker	School of Information	Assistant Prof.	Ph.D., University of California, Los Angeles
Casey Boyle	Rhetoric & Writing	Assistant Prof.	Ph.D., University of South Carolina
Matt Cohen	Department of English	Associate Prof.	Ph.D., College of William and Mary
Caroline Frick	Radio-Television-Film	Associate Prof.	Ph.D., The University of Texas at Austin
Lars Hinrichs	Department of English	Associate Prof.	Ph.D., University of Freiburg, Germany
Adam Rabinowitz	Department of Classics	Associate Prof.	Ph.D., University of Michigan, Ann Arbor

10. **ACADEMIC COURSE REQUIREMENTS:**⁸ Use this table to identify the courses that qualify for this certificate program.

Abbreviation and Number	Course Title	SCH ⁹
INF 315x	Introduction to Digital Humanities	3
AET 305	Foundations of Music Technology	3

AET 325	2D Digital Production Art	3
AET 326	Digital Production Art 3-D	3
AET 327	Advanced 3-D Modeling	3
AET 306	Foundations of Digital Imaging and Visualization	3
AET 323	Creating Music and Sound For Film Video and Games	3
AET 335	Game Aesthetics	3
ART 318C	Transmedia: Digital Time-Based Art I	3
ART 338C	Transmedia: Digital Time-Based Art II	3
ART 358C	Transmedia: Digital Time-Based Art III	3
E E 306	Introduction to Computing	3
E E 371R	Digital Image & Video Processing	3
GEO 371T	Digital Methods in Morphology	3
GRG 356T	Geoprocessing	3
INF 315E	Information and Culture: Introduction to Databases	3
INF 350G	Information in Society: Introduction to Audio Preservation and Reformatting	3
INF 350E	Applied Data Mining	3
J 339T	Mapping in Storytelling	3
MUS 319D	Foundations of Digital Sound and Music	3
BDP 101	Exploring Digital Art & Media	1
CMS 348K	Visual Media and Interaction	3
CMS 341	Digital Communications	3
INF 304D	Introduction to Information Studies	3
INF 315E	Information and Culture: Human Computer Interaction	3
INF 315E	Information and Culture: Introduction to Digital Cultures	3
INF 350E	Concepts & Practices in Information Security	3
INF 331C	Beyond Google	3
INF 335C	Information in Cyberspace	3
INF 350E	Information in Society	3
INF 350E	Technologies of the Book	3
J 355F	Living in the Information Age	3
J 336F	Social Media Journalism	3
RHE 309K	Rhetoric and Digital Life	3
RHE 330C	Digital Rhetorics of Satire	3
RHE 330C	Digital Self and Rhetoric	3
RHE 330C	Writing with Sound	3
RTF 331P	Internet Cultures	3
RTF 326C	Technological Culture	3
MUS 329E	Intro to Electronic Media	3
MUS 329J	Introduction to Computer Music	3
UGS 303	Jane Austen on Page and Screen	3
ARC 350R	Designing Virtual Worlds	3
ARC 351R	Digital Visualization in Design: Data to Experience	3
RHE 330C	Digital Storytelling	3

11. OTHER CERTIFICATE REQUIREMENTS:

To earn the Certificate, students must take:

- (1) An introduction to the Digital Humanities,
- (2) 12 hours of coursework including at least one skills-based course,
- (3) A capstone course involving project-based Digital Humanities work.

There is currently no undergraduate-level course that would satisfy the first requirement. A new class entitled "Introduction to Digital Humanities" will be created and offered regularly. The dean and associate

dean of the School of Information have committed to offering the course as INF 315E and to providing funding for at least one section of the course each academic year. The first instance of the course will be offered in the Fall 2017 semester with an enrollment cap of 25; the instructor will be a graduate student. The course will be repeated annually thereafter. Depending on enrollment, additional sections may be offered in the spring semesters.

The second requirement can be fulfilled by taking a range of courses within and beyond the student's fields of specialization. At least one course must emphasize the acquisition of practical skills in digitization techniques (XML, OCR, image scanning and processing, GIS), archive building, computer programming, visualization for various applications such as textual data set mining and statistical analysis, data organization, or the creation of software applications.

Given the particularly emergent nature of the Digital Humanities, new courses are offered each year that can satisfy the second requirement. At the same time, only a few of the skills and elective courses we list below as example fulfillments of the second requirement are regularly reoccurring. We believe that given the broad selection of qualifying courses that has been available at UT for years, this academic vibrancy is ultimately a strength of this Certificate. We also believe that as digital methods begin to become more common in basic research training in the humanities, more courses will be offered each year that will satisfy the requirements of the certificate.

The capstone course must feature project-based work, and will be approved by the DH Certificate Program Director for each student completing the Certificate. Independent studies or honors theses or research apprenticeships grounded in digital humanities work that constitute a DH project may satisfy this requirement.

12. GIVE A DETAILED RATIONALE FOR CHANGE(S):

Scholarship in Digital Humanities interprets the cultural and social impact of new media and information technologies as well as creates and applies these technologies to answer cultural, social, historical, and philological questions. Digital Humanities scholarship is necessarily collaborative and interdisciplinary. It emphasizes design, multimodality, and experiential learning and research by creatively expanding the networks of participation, the modes of access, and the tools for the creation and dissemination of scholarship. Digital Humanities practices are not limited to conventional humanities departments, but are emerging in every humanistic field at UT, within the College of Liberal Arts and beyond, in arts and architecture, information studies, film and media studies, archaeology, geography, ethnic studies, and the social sciences. At the same time, Digital Humanities is a natural outgrowth and expansion of the traditional scope of the Humanities, not a replacement or rejection of traditional humanistic inquiry. In fact, the role of the humanist is critical at this historic moment, as our cultural legacy is migrated to digital formats and our relation to knowledge, cultural material, technology, and society is radically re-conceptualized.

Many leading universities in the United States have recognized the profoundly transformative effect that new media and digital technologies have had on research and teaching by establishing lab-based research programs. The University of Virginia led with the Institute for Advanced Technology in the Humanities, which now supports more than forty Digital Humanities research projects and a masters program in Digital Humanities. The Stanford Humanities Laboratory, established in 2001, is a collaborative research environment for cross-disciplinary and multi-institutional, technologically transformative projects. Duke, a founding member of HASTAC (Humanities, Arts, Science, and Technology Advanced Collaboratory), adopted a similar model within its John Hope Franklin Humanities Institute. Other top-tier universities such as Harvard, Brown, Dartmouth, Berkeley, Princeton, and the University of Michigan have begun aggressively to hire in the field and to design multidisciplinary programs in the Digital Humanities. These institutional efforts towards innovation in pedagogy, research, and public engagement have developed with support from external grant and foundation funding.

Because Digital Humanities demands interdisciplinary education, it offers a compelling model for transformative scholarship and pedagogy at the undergraduate level. Digital Humanities facilitates the necessary critical thinking, analytic skills, and creativity that have long been at the heart of the undergraduate educational experience and thus impacts all fields that use new technologies to undertake research. As more and more courses utilize digital technologies for instruction, new information platforms are emerging, which encourage collaboration, creativity, and interdisciplinarity. Yet, the existing, funded projects at UT do not offer enough opportunities for project-based work for a wide range of students. At the same time, the collections at the heart of humanities research and UT's world-class libraries and archives are often inaccessible for digital analysis by scholars even when they have been digitized. Pairing students with pro-

ject-based work in these collections offers a unique opportunity to train students in much-needed information skills and to showcase these and community collections in research that engages staff, undergraduates, graduates, and faculty. The DH Certificate will harness students' engagement with and excitement about digital technologies and media and put that energy to use in a flexible curriculum that requires both skills acquisition and critical inquiry.

13. COLLEGE/SCHOOL APPROVAL PROCESS:

Department approval date: 4/3/17	Approved by whom: Philip Doty
College approval date: 4/3/17	Approved by whom: Philip Doty
Dean approval date: 4/3/17	Approved by whom: Philip Doty

PROPOSED LANGUAGE TO ADD TO CATALOG

Digital Humanities Certificate

The Digital Humanities represent the area of study where humanities disciplines engage digital tools, archives, and artifacts. This certificate is designed to introduce students to the ideas, materials and computational tools that underlie this field. It is open to students of all majors. Students take 18 credit hours from a selection of courses taught in different departments and colleges at UT and must earn a letter grade of C- or better in all courses required for certification. Some courses required by the certificate may also fulfill degree requirements established by a student's major department.

To earn the Certificate, students must take:

- (1) An introduction to the Digital Humanities,
- (2) 12 hours of coursework including at least one skills-based course,
- (3) A capstone course involving project-based Digital Humanities work.

The following courses are recognized as fulfilling the certificate's requirements:

Introduction

INF 315E, Introduction to Digital Humanities

Skills

AET 305, Foundations of Music Technology

AET 325, 2D Digital Production Art, Neal Daugherty

AET 326, Digital Production Art 3-D, Dax Norman

AET 327, Advanced 3-D Modeling

AET 306, Foundations of Digital Imaging and Visualization

AET 323, Creating Music and Sound For Film Video and Games

AET 335, Game Aesthetics, Paul Toprac

ART 318C, Transmedia: Digital Time-Based Art I

ART 338C, Transmedia: Digital Time-Based Art II, B. Perzynski

ART 358C, Transmedia: Digital Time-Based Art III

E E 306, Introduction to Computing

E E 371R, Digital Image & Video Processing

GEO 371T, Digital Methods in Morphology

GRG 356T, Geoprocessing, Eugenio Arima

INF 315E, Information and Culture: Introduction to Databases, Eunyoung Moon

INF 350G, Information in Society: Introduction to Audio Preservation and Reformatting

INF 350E, Applied Data Mining, Byron Wallace

J 339T, Mapping in Storytelling, K. Goldsberry

MUS 319D, Foundations of Digital Sound and Music

Electives

BDP 101, Exploring Digital Art & Media

CMS 348K, Visual Media and Interaction, Jürgen Streeck

CMS 341, Digital Communications

INF 304D, Introduction to Information Studies

INF 315E, Information and Culture: Human Computer Interaction
INF 315E, Information and Culture: Introduction to Digital Cultures
INF 350E, Concepts & Practices in Information Security, Lance Hayden
INF 331C, Beyond Google
INF 335C, Information in Cyberspace
INF 350E, Information in Society
INF 350E, Technologies of the Book, Stan Gunn
J 355F, Living in the Information Age
J 336F, Social Media Journalism
RHE 309K, Rhetoric and Digital Life
RHE 330C, Digital Rhetorics of Satire
RHE 330C, Digital Self and Rhetoric, Casey Boyle
RHE 330C, Writing with Sound, Casey Boyle
RTF 331P, Internet Cultures, Mallapragada
RTF 326C, Technological Culture, Brendan Gaughen
MUS 329E, Intro to Electronic Media, Jon Fielder
MUS 329J, Introduction to Computer Music
UGS 303, Jane Austen on Page and Screen

Project-Based Capstones

ARC 350R, Designing Virtual Worlds, John Blood
ARC 351R, Digital Visualization in Design: Data to Experience, Hope Hasbrouck
RHE 330C, Digital Storytelling, Casey Boyle

Capstone courses may also be arranged as individual study courses between one student and one faculty member.

Please include a draft of the catalog copy immediately following the above form. If this is an update of an existing copy, the draft should be based on the text of the current catalog available at: <http://catalog.utexas.edu/undergraduate/>. **Strike through and replace (with underlines) only the specific language to be changed. Do NOT use track changes, and do not include hyperlinks in the catalog copy.** Submit form electronically to the Office of the General Faculty and Faculty Council at fc@austin.utexas.edu. For questions on completing this section, please contact Victoria Cervantes, fc@austin.utexas.edu, 471-5934 or Brenda Schumann, brenda.schumann@austin.utexas.edu, 475-7654.

¹ **Minimum Criteria for Certificate Recognition on the Transcript:**

- a) The transcript-recognized undergraduate academic certificate program must be completed in conjunction with or within one year of completion of an undergraduate degree at The University of Texas at Austin; students pursuing an integrated undergraduate/graduate program must complete the requirements for the certificate within one year after completing the undergraduate requirements of their program. A maximum of nine credit hours in the certificate program may be taken after completion of the undergraduate degree.
- b) Transcript-recognized undergraduate academic certificate programs must require a minimum of eighteen hours of certificate course work, but not more than twenty-four hours.
- c) At least half of the required coursework in the certificate program must be completed in residence at The University of Texas at Austin.
- d) A student may **not** earn a certificate in the same field of study as his or her major, and at least one course required in the certificate program must be outside the requirements of the major. However, courses in the certificate program outside the major may fulfill other degree requirements such as general education requirements or required elective hours.
- e) Students apply for transcript recognized undergraduate academic certificates at the time they complete their undergraduate degree or the certificate program, whichever comes later. Transcript recognition is awarded at that time.

² To add a certificate program that requires 21 to 24 SCH's OR to increase the number of hours of an existing certificate program from 20 or less to 21 to 24 SCH's, complete the [THECB Certificate Program Certification Form](#) and submit it to the provost's office, lydia.cornell@austin.utexas.edu. To change the number of required hours for certificates currently requiring 21 to 24 SCH's, complete the [THECB Request to Change Semester Credit Hours Form](#) and submit it to the provost's office, lydia.cornell@austin.utexas.edu. Certificate programs that require 20 or fewer SCH's do not require THECB forms.

³ **EXCLUSIVE:** of *exclusive* application and of primary interest only to a single college or school ("no protest" period is *seven calendar days*); **GENERAL:** of *general* interest to more than one college or school (but not for submission to the General Faculty) ("no protest" period is *fourteen calendar days*); *major* legislation must be submitted to the General Faculty for adoption ("no protest" period is *fourteen calendar days*).

⁴ Use the federal CIP code selector site to pick a code, <http://nces.ed.gov/ipeds/cipcode>. After all other areas of this form are completed, forward a copy to the Office of Institutional Reporting, Research, and Information Systems (IRRIS) IRRIS_data_request@utlists.utexas.edu with a request to verify the CIP code ("CIP CODE" in the subject line). Include your contact information, so an IRRIS member may contact you with any questions.

⁵ Include heading in *Undergraduate Catalog* where changes will be made.

⁶ See footnote 1b above: 18 to 24 hours are required. See footnote 2 above for THECB requirements if over 20 hours.

⁷ For inclusion on transcripts, the faculty committee must have a minimum of five members and at least 2/3 of the committee must be tenured or tenure-track.

Note with an asterisk those faculty members who are tenured or tenure-track. Please also note the program chair who will be responsible for authorizing the students' certificates. Specify changes to the committee membership by noting those no longer on the committee and those added to the committee. (*Add and delete rows as needed.*)

⁸ Note with an asterisk (*) courses that would be added if the certificate program is approved. Specify changes to the qualifying courses by noting those no longer qualifying and those now qualifying. (*Add and delete rows as needed.*) If the course numbers and titles change on a regular basis, please indicate the types of courses and number of hours for required for each. Note with a hashtag (#) courses that require a prerequisite and provide the prerequisite course numbers.

⁹ Semester Credit Hours.