School of Arts, Technology, and Emerging Communication

Arts and Technology with Gaming Concentration (BA)

Students who complete the major in Arts and Technology receive a thorough grounding in the mutually productive interaction of technology with the arts, with specific emphasis on the interplay of visual art, music, and narrative with the new modes of expression and communication that have emerged from the convergence of computing and media technologies. The program stresses not only the creation but also the potential applications and cultural implications of interactive media. A student majoring in Arts and Technology will be required to channel selected coursework according to individual needs and specialties. Particular attention should be given to the Prescribed Electives for the major, and close consultation with academic advisors is recommended. By selecting courses from a variety of the remaining elective headings, students are able to combine courses in technology and fine arts with coursework in literary criticism and interpretation, creative writing and translation, and linguistics and languages. Unless otherwise noted, courses in Arts and Technology are open to all students in the University. However, students majoring in Arts and Technology may be given preference in certain course enrollments.

Bachelor of Arts in Arts and Technology with Gaming Concentration

Degree Requirements (120 semester credit hours)

Faculty

Professors: Anne Balsamo, Frank Dufour, Monica Evans, Paul Fishwick, Roger Malina, Mihai Nadin
Clinical Professors: Elizabeth (Lisa) Bell, Michael Breault, Tim Christopher, Carie King, Paul Lester
Professor of Practice: Marjorie Zielke
Associate Professors: Christine (xtine) Burrough, Eric Farrar, Todd Fechter, Scot Gresham-Lancaster, Rosanna Guadagno, Midori Kitagawa, Kim Knight, Maximilian Schich, Andrew Scott, Dean Terry
Clinical Associate Professors: Cassini Nazir, Derek Royal, Harold (Chip) Wood
Assistant Professors: Olivia Banner, Kristin Drogos, Phillip Hall, Casey Johnson, Angela M. Lee, Sean McComber, Ryan McMahan, Josef Nguyen
Clinical Assistant Professors: Janet Johnson, Jillian Round, Michael Stephens
Senior Lecturers: Elizabeth Boyd, Christopher Camacho, Filip Celander, Melissa Hernandez-Katz, Christina Nielsen, Barbara Vance

I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication
RHET 1302 Rhetoric
Mathematics: 3 semester credit hours
Choose one course from the following:
- **MATH 1306** College Algebra for the Non-Scientist
- **MATH 1314** College Algebra
Or select any 3 semester credit hours from Mathematics core courses

Life and Physical Sciences: 6 semester credit hours
Select any 6 semester credit hours from Life and Physical Sciences core courses

Language, Philosophy and Culture: 3 semester credit hours
Choose one course from the following:
- **HUMA 1301** Exploration of the Humanities
- **LIT 2331** Masterpieces of World Literature
- **PHIL 1301** Introduction to Philosophy
- **PHIL 2316** History of Philosophy I
- **PHIL 2317** History of Philosophy II
Or select any 3 semester credit hours from Language, Philosophy and Culture core courses

Creative Arts: 3 semester credit hours
Choose one course from the following:
- **ARTS 1301** Exploration of the Arts
- **AHST 1303** Survey of Western Art History: Ancient to Medieval
- **AHST 1304** Survey of Western Art History: Renaissance to Modern
- **AHST 2331** Understanding Art
- **DANC 1310** Understanding Dance
- **DRAM 1310** Understanding Theater
- **FILM 2332** Understanding Film
- **MUSI 1306** Understanding Music

American History: 6 semester credit hours
Choose two courses from the following:
- **HIST 1301** U.S. History Survey to Civil War
- **HIST 1302** U.S. History Survey from Civil War
- **HIST 2301** History of Texas
HIST 2330  Themes and Ideas in American History
HIST 2332  Civil War and Reconstruction

Government / Political Science: 6 semester credit hours
GOVT 2305  American National Government
GOVT 2306  State and Local Government

Social and Behavioral Sciences: 3 semester credit hours
Select any 3 semester credit hours from Social and Behavioral Sciences core courses

Component Area Option: 6 semester credit hours
Choose two courses from the following or other Component Area Option
ARHM 2340  Creativity
ARHM 2341  Global Media
ARHM 2342  Connections in the Arts and Humanities
ARHM 2343  Science and the Humanities
ARHM 2344  World Cultures

II. Major Requirements, Lower-Division: 21 semester credit hours
ARTS 1316  Drawing Foundations
ATEC 2325  Game Design Fundamentals
ATEC 2340  Project Management for Arts and Technology I
ATEC 2382  Computer Imaging
ATEC 2384  Design I
CS 1335  Computer Science I for Non-majors
CS 2335  Computer Science II for Non-majors

III. Major Requirements, Upper-Division: 24 semester credit hours

Major Core Courses
Any 3000- or 4000-level Art History (AHST) course
or DRAM 3323  Drama in Historical Context
or FILM 3321  Film in Historical Context
or **MUSI 3322** Music in Historical Context  
**ATEC 3320** Digital Content Design and Usability  
or **ATEC 3325** Introduction to Computer Mediated Communication  
**ATEC 3329** Tools Development in Arts and Technology  
or **CS 3360** Computer Graphics for Artists and Designers  
or **CS 4352** Human Computer Interaction I  
**ATEC 3330** Digital Video Production I  
or **ARTS 3371** Photography: Black/White  
or **ARTS 3372** Photography: Color  
or **ARTS 3377** Photography: Altered Image  
or **ARTS 3379** Photography: New Media  
or **ARTS 4368** Advanced Visual Arts  
**ATEC 3351** Game Design I  
**ATEC 3384** Design II  
**ATEC 4380** Capstone Project  
or **ATEC 4381** Senior Seminar  
**HIST 3328** History and Philosophy of Science and Medicine  
or **HIST 3337** Technology and Western Civilization  
or **HIST 3374** American Technological Development  
or **LIT 3316** The Literature of Science Fiction  
or **LIT 3334** Literature of Science  

IV. Elective Requirements: 33 semester credit hours  

**Prescribed Electives: 15 semester credit hours**  
Choose any five courses from the following: at least 2 must be 4000 level  
**ATEC 3329** Tools Development for Arts and Technology  
**ATEC 3346** Storytelling for New Media I  
**ATEC 3352** User Experience Design for Games I  
**ATEC 3353** Game Studies I  
**ATEC 3354** Sound Design for Games and Interactive Media  
**ATEC 3355** Scripting for Games I
Free Electives: 18 semester credit hours

Both upper-and lower-division courses may be used as electives, but students must complete at least 51 semester credit hours of upper-division courses to qualify for graduation.

1. Incoming freshmen must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshman seminar course. Students, including transfer students, who complete their core curriculum at UT Dallas must take UNIV 2020.

2. Curriculum Requirements can be fulfilled by other approved courses from institutions of higher education. The courses listed are recommended as the most efficient way to satisfy both Core Curriculum and Major Requirements at UT Dallas.

3. Students who are ATEC/CS double degree or who plan to minor in CS must enroll in CS 1336 Programming Fundamentals and CS 1136 Computer Science Laboratory and/or CS 1337 Computer Science I (if placed out of CS 1336 and CS 1136).

4. Students who are ATEC/CS double degree or who plan to minor in CS must enroll in CS 2336 Computer Science II.