School of Arts and Humanities

Arts and Technology (B.A.)

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

Degree Requirements (120 hours)

I. Core Curriculum Requirements\(^1\): 42 hours

**Communication (6 hours)**

- 3 hours Communication (RHET 1302)
- 3 hours Communication Elective (ATEC 3320 or ATEC 3325)

**Social and Behavioral Sciences (15 hours)**

- 6 hours Government (GOVT 2301 and GOVT 2302)
- 6 hours American History
- 3 hours Social and Behavioral Science Elective

**Humanities and Fine Arts (6 hours)**

- 3 hours Fine Arts (FILM 2332)
- 3 hours Humanities (HUMA 1301)
Mathematics and Quantitative Reasoning (6 hours)

3 hours College Math (MATH 1314)
3 hours Quantitative Mathematics (STAT 1342)

Science (9 hours including at least one course with a substantial laboratory component)

II. Major Requirements, Lower Division: 21 hours

ARTS 1316  Drawing Foundations
ARTS 2380  2D Design Foundations
ATEC 2320  Introductory Topics in Arts and Technology
    or ATEC 2326  Computer Animation Processes
ATEC 2382  Computer Imaging
ATEC 2384  Basic Design Principles and Practices
CS 1335  Computer Science I for Non-majors
    or CS 2335  Computer Science II for Non-Majors

III. Major Requirements, Upper Division: 24 hours

Major Core Courses

ATEC 3320  Information Usability and Design
    or ATEC 3325  Introduction to Computer Mediated Communication
ARTS 3371  Black and White Photography
    or ARTS 3372  Color Photography
    or ARTS 3377  Digital Photography
    or ARTS 3379  Photography and New Media
ATEC 3317  Modeling and Texturing I
    or ATEC 3351  Game Development
    or ATEC 3310  Audio Technologies
ATEC 4340  Project Management for Arts and Technology
ATEC 4V80  Capstone Project
CS 3360  Computer Graphics for Artists and Designers
HIST 3337  Technology and Western Civilization
or **HIST 3374** American Technological Development  
or **HIST 3332** History of the Electronic Age  
or **PHIL 4310** Philosophy of Technology  
**LIT 3334** Literature of Science  
or **LIT 3311** The Literature of Science Fiction and Fantasy  
or **HIST 3328** History and Philosophy of Science and Medicine

### IV. Elective Requirements: 33 hours

**Prescribed Electives (15 hours)**

Any five of the following:

- **AHST 3318** Contemporary Art  
- **ATEC 3315** Motion Graphics  
- **ATEC 3318** Concept Development  
- **ATEC 3319** Voice Over  
- **ATEC 3326** Emerging Media Production  
- **ATEC 3327** Lighting and Composition I  
- **ATEC 3328** Rigging I  
- **ATEC 3330** Digital Video Production I  
- **ATEC 3331** Sound Design for Film  
- **ATEC 3351** Game Development  
- **ATEC 3352** Game Design  
- **ATEC 3353** Game Studies  
- **ATEC 3354** Sound Design for Games  
- **ATEC 3361** Internet Studio I  
- **ATEC 3363** Basic Interaction Design  
- **ATEC 3365** Virtual Environments  
- **ATEC 4310** Digital Audio Processing  
- **ATEC 4326** Advanced Emerging Media Production  
- **ATEC 4328** Rigging II  
- **ATEC 4330** Digital Video Production II
ATEC 4337  Computer Animation
ATEC 4339  Special Effects
ATEC 4345  Motion Capture Animation
ATEC 4346  Story-Telling for New Media
ATEC 4347  Advanced Design
ATEC 4348  Modeling and Texturing II
ATEC 4349  Lighting and Composition II
ATEC 4350  Game Production Lab
ATEC 4351  Animation Studio I
ATEC 4352  Animation Studio II
ATEC 4357  Advanced Digital Arts
ATEC 4361  Internet Studio II
ATEC 4365  Level Design and Scripting
ATEC 4367  Advanced Game Development
ATEC 4368  Advanced Game Design
ATEC 4370  Topics in Arts and Technology
ATEC 4371  Topics in Animation
ATEC 4373  Topics in Game Development
ATEC 4374  Topics in Digital Design
ATEC 4375  Topics in Sound Design
MUSI 3389  Digital Music II

Advanced Electives (6 hours)

Students are required to take at least six hours of advanced electives outside their major field of study. These must be either upper-division classes or lower-division courses that have prerequisites.

Free Electives (12 hours)

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

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

2. Students who are ATEC/CS double majors or who plan to minor in CS must enroll in CS 1337 Computer Science I

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