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 course work 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: 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
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  

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