School of Arts and Humanities

Arts and Technology (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

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 semester credit 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\(^2\)

**CS 2335** Computer Science II for Non-Majors\(^3\)

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
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 4341 Digital Marketing Design
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  

Free Electives: 18 hours

Both upper-and lower-division courses may be used as electives, but students must complete at least 51 hours of upper-division courses 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