

3D Design & Animation

Description

Students will learn how to design and develop traditional and 3D digital animations for print media, web graphics, video broadcast, film and interactive games. They will learn the steps in creating a storyline and developing the characters, environment, and animation required to tell that story. In the traditional courses students will learn to create content, build a template library, lip-sync audio to characters, create camera moves, animate the scene and publish it for the Web, iPods, PDAs, cell phones, TV and HDTV. In the 3D courses the students will learn how to model a character using Nurbs modeling, create and navigate skeleton joint hierarchy, re-orient and edit joint rotational axis, create forward and inverse kinematics controlled joints, bind and weigh a character to a skeleton in preparation for animation, animate using SetKey techniques, create a character-control rig, manipulate skilled surfaces to influence objects, create facial animation using blendshape deformations, create lip-sync animation to a sound track, build shading groups and texture maps, and render single frames and animated sequences for the Web, iPods, PDAs, cell phones, TV and HDTV. The students will utilize industry standard procedures for working through the project production pipeline. The student will gain experience in the various job roles of the production team of an animation project, project manager, artist, animator, sound integrator, 3D graphic artist, 3D animator, 3D character rigger, and nonlinear video editor. The student will develop their own animations (traditional and 3D), web graphics, and print media for their portfolios.

- Conceive, storyboard, design, & deliver unique 2-D & 3-D animation
- Bring to life web design, video games, iPods, PDAs, & cell phones
- Use the same hardware & design software as professional animators

College Credit

College credit may be available through TCC, RSU, or OSU-Institute of Technology. For more details call the college relations office at 918-828-5205. All college credit is awarded by the college/university.

Credential/Industry Certifications

Completion certificate

Career Majors/Courses

3D Modeler

Courses

Fundamentals of Technology
 Multimedia & Image Management Techniques
 Design Tools and Electronic Marketing
 Principles of Animation
 2D Animation Techniques
 Fundamentals of 3D Motion Graphics
 3D Modeling and Rigging Techniques
 Career Major Capstone

Animator

Courses

Fundamentals of Technology
 Multimedia & Image Management Techniques
 Design Tools and Electronic Marketing
 Principles of Animation
 Advanced Animation Techniques
 Career Major Capstone

3D Animator

Courses

Fundamentals of Technology
 Multimedia & Image Management Techniques
 Design Tools and Electronic Marketing
 Principles of Animation
 2D Animation Techniques
 Fundamentals of 3D Motion Graphics
 3D Animation
 Career Major Capstone

Employment Opportunities

Tulsa Tech's Career Placement Services team builds partnerships with Tulsa area businesses & industry to create opportunities for work-based experiences and job placement. Job search assistance is provided before and after graduation. Services include with employment information, resume building, refining interview skills and life-time access to the Tulsa Tech Job Connect database. Call Career Placement Services at 918-828-5270 or visit www.tulsatech.edu/jobconnect / email jobconnect@tulsatech.edu.

2009-2010 year completion & placement data:

- Total Enrolled: 97
- Completed: 91%
- Completed on-time: 100%
- Job Placement: 86%
- Returning Students: 0%
- OPE ID: 005311 / CIP: 10.0304

Prerequisites

Documented experience or equivalent skills in website or graphic design.

Area Salary

For information concerning working conditions, physical requirements, employment and job outlook please refer to the Occupational Outlook Handbook (OOH), 2010-11 Edition at <http://www.bls.gov/oco/>.

Salary information can be found at The Occupational Information Network (O*NET) Resource Center at <http://www.onetonline.org/>.
 O*NET-SOC Code: 15-1099.13

Who Can Attend?

High school students

Tuition/Fees/Books

- Tuition: \$2,640*
- Lab & Required Fees: \$240*
- Additional Required Costs: N/A
- Optional Fees: \$41-\$241

**High school students living in the Tulsa Tech school district are not charged tuition, fees & books.*

Additional required costs: books, equipment, tools, uniforms & supplies.

Scheduling Information

H.S. / 1 school year:

August - May

H.S. sessions:

7:45 - 10:45 A.M. / 11:50 - 2:50 P.M.

Check with Admissions Office at 918-828-5260 for start dates.

Campus Location

Riverside Campus

801 East 91st Street
 Tulsa, OK 74132-4008
 (918) 828-4000
 FAX (918) 828-4009

Application Process

Apply ON-LINE at www.tulsatech.edu/apply. Applications can also be obtained in the counseling offices on any of the campuses; at the Career Services Center located on the Memorial Complex; or by calling 918-828-5200.