

# DIGITAL MEDIA/3D ANIMATION *Full Year*

## Information Technology Education



Instructor: Jennifer Tighe

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**PROGRAM DESCRIPTION:** This course prepares students for a variety of careers in the field of digital media and animation. Within an environment geared toward creativity and teamwork, students will develop skills in 3D graphics, digital painting, illustration, graphic design, 2D and 3D animation, audio, and video. Students will also learn project development skills such as project management, script writing, storyboarding, design skills, project evaluation, and critiquing skills.



**High School Credit:** CTE credit or elective credit: up to 4 credits total  
**Concurrent Enrollment:** 7 College Credits. AP Studio Art Credit optional. Student is responsible to register and pay for concurrent enrollment classes at SLCC. For more information on these classes, see Appendix.  
**Industry Certifications:** Adobe ACA for Photoshop, Animate, Premiere Pro, InDesign, and Illustrator.  
**Skills Certifications:** Utah State Skills Certificate Tests  
**Additional Opportunities:** SkillsUSA membership

### COURSE DESCRIPTIONS:

**ART 1080 Photoshop and Digital Media:** The course focus will be on using Adobe Photoshop as a tool to produce CG imagery for video production, photo illustration, digital publishing and animation. Adobe Illustrator, Premiere, and Autodesk Maya will be introduced.

**ART 1630 Computer Graphics Essentials:** Introduction to basic techniques and theories used in creating images with a computer. Exploring the fundamentals of modeling, texturing, lighting, rendering, animation, and compositing while applying principles of storytelling and design.

**3D Graphics:** Students will use 3D graphics software to produce 3D models. This course will introduce students to 2D and 3D modeling, the creation and application of textures, mapping, lighting, camera techniques, and rendering of 3D models.

**Digital Media 2:** Gain a deeper knowledge of concepts such as graphics, animation, audio and video production and create a professional level portfolio. Work toward the Adobe ACA software industry certifications on Photoshop, Illustrator, Animate, and Premiere Pro. Learn to create animation, video and audio projects using digital media applications. Animation principles, script writing, storyboarding, and project management techniques are used to help students in the production process.

**3D Animation:** Use 3D graphics software to produce 3D animations. Introduce students to 2D and 3D, animation planning, storyboard development, and the animation process.

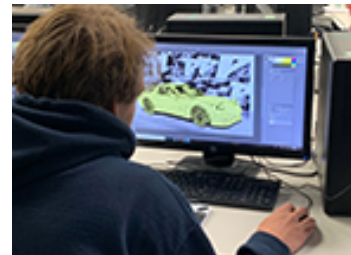
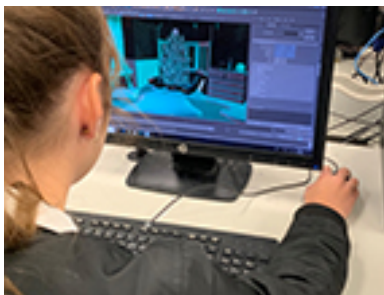
**Digital Sculpting:** This course provides students with the skills required to create digital 3D sculptures. Unlike polygonal modeling as is done in 3D Graphics, students work with digital clay and sculpting tools. Students will also learn digital painting techniques to add color to their sculptures.

**Costs/Fees for the 2021-2022 school year:** Pending school board approval.

## Career Possibilities:

Graphic Designer  
Audio Engineer  
Video Specialist  
Industrial Designer  
Illustrator

Concept/Storyboard Artist  
3D Modeler/Texturer  
Instructional Designer  
Animator



*"CTEC was a wonderful experience. It allowed me to explore different career paths without wasting time and money. CTEC teaches with professional technology and I learned so much about what will be needed in the working world. In fact, so much so, that I was able to get a job in a related field soon after graduation and am far ahead of the other kids in my college classes. I recommend CTEC to anyone interested in exploring the various career paths offered and want to have fun along the way". Ashlyn Cary*

*"I love CTEC because it had a class focusing on my future career goals. My home high school didn't have an in-depth animation class. I am able to learn what I love! I also get to make new friends from other schools I wouldn't have been able to meet normally. I have been able to make new friends for life. I have greatly enjoyed my two years at CTEC, and I would suggest to anyone with big dreams to come here and experience it for yourself"! Kaitlyn Brockbank*