

DMA ELECTIVE STREAMS / 2020 - 2021

ANIMATION

Animation (2D & 3D) introduces you to the exciting and creative world of animation, storyboarding, modeling, 3D printing, and game design. Students will learn the principles of animation and modeling, they will be able to scan in 3D objects as well as print their 3D designs. An EA Sports animator comes in once a week to help teach animations. Students can work on projects such as short animated stories, special effects, and characters for game design, game environment design and abstract animations.

FILM

Film Production introduces the fundamentals of script writing, cameras, lighting, sound, visual effects, and the art of the short film production. Upon completing this course, you will have learned: Premiere Pro to edit, After Effects for visual effects, the latest digital video cameras, sound recording and editing, lighting techniques and project management. Film Production will prepare you for a future in the Film Industry, Post Production Sound, Visual Effects, and TV Journalism. You can work on projects such as short films, documentaries, music videos and TV commercials.

GAME DESIGN

One of the biggest game design centers in the world surrounds students in North Vancouver. Game Design is a self-directed team-based course that requires students to be highly motivated. Game design is a team activity and leverages a multitude of communication, technical skills and knowledge. The course involves game concept development, game history and theory, modeling, animation, rigging, and the use of a game engine for level design. In this course, the students will work in teams and build assets and animations, and develop game levels and use scripting language. Upon completing this course, you will be able to plan and organize for game design and development, model characters and environments, rig and integrate animations into the game engine environment, and create an interactive game experience.

GRAPHIC DESIGN

Graphic Design suits students who enjoy fashion and interior design, art, cartooning, illustrating and writing. Students learn about the design process as well as how to use the elements & principles of design. Students can work on projects such as Posters, Album covers, book covers, websites, package design, mixed-media digital art, motion graphics, graphic novels and children's books.

VISUAL EFFECTS

Have you ever wondered in movies how they created that “impossible” zombie make-up, lighting, explosions, tornadoes, water effects and how people could be placed in impossible worlds? Visual Effects bridge the gap between film, animation, and graphic design and this course is a very important course to fulfill a strong grounding in digital media. You will be able to do special effects make-up and use digital video camera and lighting techniques. Visual Effects is a growing industry and well represented in Vancouver.

SOUND ENGINEERING

Recording music, special effects, soundscapes, and voiceovers and sounds for movies and animations is both fun and important work that involves creative and technical skills. This course suits students who enjoy music, sound recording and mixing, sound effects, and animation and film production. You will work on projects such as remixes and mashups, music productions, sound effects, voice-overs, nature recordings and sound for film and animation.

INFO TECH

Information Technology 12 students will extend their knowledge and skill with the programs and digital topics, such as: Photography, Graphic Design, Desktop Publishing, Web Design, Film & TV, Sound Recording, Visual Effects, Animation, and Game Design. Students will be evaluated primarily by completing a major project for each unit. Students will have access to drawing tablets, scanners, large format color printers and digital cameras.

PHOTOGRAPHY

Photography introduces the fundamentals of digital cameras and the art of viewing and capturing the world around you. Photography is fun, but it is not just about pointing and pressing a button; it's a creative decision-making process. Upon completing this course you will be able to use Photoshop to improve, modify, and edit your photos; the latest digital cameras; and your knowledge of the elements and principles of photo composition. Photography will prepare you for a future in journalism, graphic design, and art. You can work on projects such as photo essays, photojournalism, portraiture, and night photography.

WEB DESIGN

Learn about Design and Interactivity in Web Design. You will explore the Wordpress and the Adobe suite of tools for website development: editing images, graphical layout, and the code languages HTML and Javascript. You will learn to incorporate web design concepts such as color theory, typography, user navigation, and layout.