

Film and Broadcast Design

COURSE OVERVIEW:

The Visual Effects (VFX) in Film, Broadcast & Animation course is designed to introduce students to techniques in digital compositing and film post-production workflow. The course is oriented towards current industrial needs, technologies and practices; it aims to be a direct route into this very desirable and high profile modern creative industry.

Students will be trained through an intensive programme of lectures and practical workshops.

Introduction: Orientation

Overview & Roadmap

Module 1: Fundamentals of Film & Video

Analog & Digital Signals & Waveforms, Pixel & Bit Depth, Interlacing & Progressive Scans, Frames & Fields, Telecine (Converting Film), Broadcast Resolutions, Video & Film Formats

Module 2: Broadcast Systems

Aspect Ratio, Video Display Formats, Video Color Systems, Bit Rate, Audio Basics

Module 3: Formats

Acquisition Formats, Storage Formats, Compatibility, Encoding Formats, Compressions, Distribution Formats

Module 4: Tools of the Trade

Production Equipment Basics, Hardware and Software solutions

Module 5: Film & Video Workflow

The Creative Design Process, Planning, Pre-Production, Capturing/Importing, Post-Production, Editing & Compositing

Module 6: Visual Effects Concepts

Alpha & Matte Channels, Creating Alpha, Keying, Motion Tracking, Stereoscopic Films

Module 7: Concepts in Motion Graphics

Timeline Interpretation, Keyframe Control, Motion Sketch & Smoother, Path Interpolation, Time Remapping, Parenting, Motion Control

Module 8: Visual Effects and Enhancements

Enhancing Video & Audio, Applying & Manipulating Effects, Working with Text, Integrating Titles & Graphics, 3D Compositing and CG Elements, Motion Blur, Rotoscoping, Color Correction & Color Grading

PROJECTS



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• Fast Track Programs (4 months) • Advanced Programs (8 months)