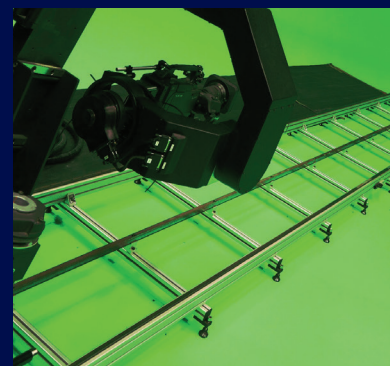




Film Technology and Visual Effects BSc (Hons)

COURSE FACTS

Faculty	Computing, Engineering and the Built Environment
School	Digital Media Technology
Application	Apply through UCAS. Institution code B25, Course code W614
Location	City Centre Campus, Millennium Point
Duration	Full-time: three years, sandwich: four years



KEY FACTS

- The media facilities at the University's City Centre Campus are equipped with: four film/television studios; a dedicated 320m² green screen studio; sound recording studios; AVID, FCP and Adobe post-production facilities and editing suites; DaVinci Resolve colour grading suite with colourist control surface; 4k screening facilities and hundreds of PC and Apple based multimedia workstations.
- Being located in a major city really enhances your experience and prospects with: a wider variety of filming locations; easier access to acting talent; plenty of filming and collaboration opportunities and various media production companies based in and around the Birmingham area. The School of Digital Media Technology is continually building links with industry, organising events such as Creative Networks and hosting the Birmingham Screen Image Network.
- The broad scope of the subject areas covered within the course will give your extra flexibility in your future career, allowing you to access jobs in: 3D modelling and animation, pre-visualisation, motion graphics, keying, compositing, digital film and video production, video editing and post-production, visual effects, motion tracking, sound production and production management.

WHY CHOOSE US?

- Experience cinema style single camera production using large sensor digital camera rigs with industry standard follow focus, matte box and interchangeable lenses, as well as a wide range of lights and equipment to light and control the illumination of your scenes and a variety of grip equipment including jibs and dollies for accurate and dynamic camera movement.
- Learn from an experienced film production team with a broad range of expertise in: film production; 3D modelling and animation; visual effects production and compositing which includes award winners and nominees.
- You will plan and produce a range of film and visual effects production, using industry standard tools such as: NUKE compositing software; Maya 3D modelling and animation software; Milo motion control system; permanent green screen studio and cinema style camera rigs.

COURSE OVERVIEW

This course embraces the relationship between creativity and technology, which makes the seemingly impossible, possible. The course includes unique modules exploring: the technology of film production; the nature and behaviour of light and sound; optics; image sensors; microphones; correct monitoring using scopes and the effects digital storage and manipulation have on colour, images, video and sound. This ensures our film graduates are among the most technically literate in the UK, able to make informed technical choices, understand technical specifications and their implications and accurately test and calibrate equipment.

This course is ideal for those with a passion for producing film and computer graphics, wanting to access jobs in a range of industries requiring video and 3D production skills. The Visual effects element of this course are not simply an extension of post-production and editing skills, it also encompasses the creation of realistic 3D computer graphics and animation, camera and motion tracking and finally compositing together computer graphics and live action footage.

Multimedia Theme	Industry Theme	Production Theme	Technology Theme	Visual Effects Theme
YEAR 1				
Visual Effects and Compositing	Film Industry	Content Acquisition	Moving Image Technology	3D Modelling
YEAR 2				
Visual Effects Techniques	Professional Practice	Production Techniques	Moving Image Technology	3D Animation
YEAR 3				
Motion Graphics and DVD Authoring	Sound Effects	Film Production and Direction	Media Technology Project	Visual Effects Production

COURSE STRUCTURE

The course comprises five themes:

- **Multimedia:** This theme focuses on a range of highly transferable image composition, compositing and manipulation skills, starting with still images and quickly moving onto working with moving image
- **Industry:** This gives you an understanding of the wider film and visual effects industries that you will be working in, while developing skills in project management and entrepreneurship.
- **Production:** This provides an experience of cinema style production. You will produce a variety of fiction and non-fiction films, learning to shoot in a studio and on location using a variety of camera, lighting and grip equipment.
- **Technology:** This theme provides a detailed exploration of: the nature of light and sound, image and sound capture technologies, optics, digital film production workflows, and the storage, manipulation and distribution of moving images
- **Visual Effects:** This covers the production and compositing 3D CGI elements to produce film visual effects. You will develop 3D modelling skills and key visual effect skills in data acquisition, tracking, matchmoving and compositing.

ASSESSMENT

A range of assessment methods are used throughout the course including continuous assessment, in-class tests, examinations, laboratory exercises and project work.

ENTRY REQUIREMENTS

- 300 points minimum from two six-unit or one 12-unit A-Level (GCE or VCE)
- Pass National Diploma with Merit/Distinction/Distinction
- Advanced Diplomas are accepted
- AGNVQ overall Merit and GCSE Maths at grade C or above
- Irish Leaving Certificate: 300 points
- Scottish Highers: 300 points from four Highers
- International Baccalaureate: 32 points

FURTHER STUDY

The University offers a range of taught (MSc) and research (MPhil and PhD) postgraduate courses. Details can be found on the postgraduate section of the website.

EMPLOYABILITY

Recent graduates from the school have gone on to work for companies including: Working Title, BBC, ITV, RDF Television, Objective Productions, Channel 4, Sky, Buffalo Pictures. Dolby UK and Talkback Thames.

Birmingham City University,
Faculty of Computing, Engineering and
the Built Environment, Curzon Street,
Millennium Point, Birmingham, B4 7XG

For enquiries:
T: +44 (0)121 331 5595
F: +44 (0)121 331 7994
W: www.bcu.ac.uk/enquiries