



Forensic Ballistics MSc

www.cranfield.ac.uk/fb



Our Forensic Ballistics MSc is often attended by students from a wide variety of countries, meaning the experience you will gather networking and discussing ideas will be invaluable.

The course benefits from facilities that no other university in the UK can offer, and our close relationship with the Defence Academy of the United Kingdom and MOD allows us access to their facilities.

You are able to sample electives from other areas of Forensics to build your knowledge. The MSc offers a comprehensive look at Ballistics whilst electives can look into amongst others, explosions and explosives, heritage crime and impact and protection.

Who is it for?

The course offers students a wide range of different experiences with unique facilities available to no other university in the UK. The MSc in Forensic Ballistics course usually has around 10-15 students per year. Students come from a wide range of backgrounds, usually with a science or forensic science first degree. Many students come from abroad.

Your career

Prepares you to practise as a professional expert witness in forensic ballistics, within forensic laboratories, police departments, government bodies and non-governmental organisations. It is also a necessary introduction that could lead into conducting research at PhD level in the subject.

Cranfield Careers and Employability Service

Cranfield's Career Service is dedicated to helping you meet your career aspirations. You will have access to career coaching and advice, CV development, interview practice, access to hundreds of available jobs via our Symplicity platform and opportunities to meet recruiting employers at our careers fairs. Our strong reputation and links with potential employers provide you with outstanding opportunities to secure interesting jobs and develop successful careers. Support continues after graduation and as a Cranfield alumnus, you have free life-long access to a range of career resources to help you continue your education and enhance your career.

Overview

Start date

October

Duration

MSc: 11 months full-time, up to three years part-time; PgDip: up to 11 months full-time, up to two years part-time

Qualification

MSc, PgDip

Study type

Full-time / Part-time

Structure

By written and practical examinations, continuous assessment, project presentation and viva voce

Campus

Cranfield campus

Entry requirements

A first or second class honours degree, or equivalent, in a relevant discipline such as a science, archaeology, anthropology, engineering, forensic science, materials, or the professional equivalent. Students with other degrees who can show a knowledge of and interest in the scientific elements of the subject will also be considered.

Security clearance for Shrivenham

Some Cranfield University courses are delivered at the Defence Academy of the United Kingdom, Shrivenham which is a Ministry of Defence (MoD) site. All applicants to courses that are wholly or partially delivered at Shrivenham must complete the BPSS (HMG Baseline Personnel Security Standard V4 April 2014) prior to registration on the course or must already hold a security clearance to this level or higher.

Please visit our [security clearance](#) for further information.

Fees

Please see www.cranfield.ac.uk/fees for detailed information about fee status, full-time and part-time fees as well as deposit requirements and bursary and scholarship information.

Course details

Students are required to take four core modules, seven course specific modules and choose three elective modules based on their particular background, future requirements, or interests. This is followed by a four-month research project and thesis.

Some modules for this MSc will be taught at Cranfield University at Shrivenham. Due to the nature, content and location of elements of this course, additional security clearance will be required.

Modules

Keeping our courses up-to-date and current requires constant innovation and change. The modules we offer reflect the needs of business and industry and the research interests of our staff. As a result, they may change or be withdrawn due to research developments, legislation changes or for a variety of other reasons. Changes may also be designed to improve the student learning experience or to respond to feedback from students, external examiners, accreditation bodies and industrial advisory panels.

To give you a taster, we have listed below the compulsory and elective (where applicable) modules which are currently affiliated with this course. All modules are indicative only, and may be subject to change for your year of entry

Compulsory modules

All the modules in the following list need to be taken as part of this course.

Introductory Studies

Investigation and Evidence Collection

Reasoning for Forensic Science

Courtroom Skills

Materials Engineering and Processing

Introduction to Firearms Investigations and Forensic Ballistics

Firearms Investigations

Forensic Ballistic Investigations

Introduction to Shock Impact

Ballistic Impact and Protection

Research Project

Elective modules

Select three from the list below

Forensic Investigation of Explosives and Explosive Devices

Fires, Explosions and their Investigation

Trace Evidence

Forensic Archaeology: Recovering Buried Remains

Mass Fatality Incidents

Forensic Ecology

Fakes and Forgeries

Radiographic Investigations in Forensic Science

Hazardous Forensics

Counter Improvised Explosive Devices Capability

Trauma Weapon Effects

Fire Engineering

Advanced Crime Scene Investigation

Forensic Imaging

Accreditation

The MSc of this course is accredited by The Chartered Society of Forensic Sciences.



The
Chartered
Society of
Forensic
Sciences

Term dates

Orientation Week:

September 2024 – October 2024

Term One:

October 2024 – December 2024

Term Two:

January 2025 – March 2025

Term Three:

April 2025 – July 2025

Term Four:

July 2025 – September 2025

Class profile 2023/24

Gender:

Male 64% - Female 27% - Other 9%

Age range:

20 - 55 years

Average age:

25 years

Number of nationalities:

5

Nationality:

UK 64% - International: 36%

Class size:

11

For more information contact our Admissions Team:
T: +44 (0)1793 785220

Visit campus for yourself and meet current students and our academics at our next Open Day:
www.cranfield.ac.uk/opensday

February 2024

Every effort is made to ensure that the information provided here is correct at the time it is published. Please check our website for the latest information.