#TheUCLanExperience

FORENSIC SCIENCE

PROFESSIONALLY ACCREDITED COURSES
CRIME SCENE HOUSES
HYDRA MINERVA SUITE
LANCASHIRE FORENSIC SCIENCE ACADEMY
OPERATIONALLY ACTIVE PROFESSIONALS
EMPLOYABILITY AND CAREERS

Find out more:

StudyAtUCLan
@StudyAtUCLan
IN THIS ISSUE

04-05
FORENSIC SCIENCE COURSES

06-07
SPECIALIST FACILITIES

08-09
MEET THE STUDENTS

10
Lancashire Forensic Science Academy

11
LFSA PLACEMENTS

12-13
STAFF PROFILES

14
STAFF PROFILE

15
EMPLOYABILITY

16
THE UCLAN EXPERIENCE
OUR OPTIONS

Our Forensic Science provision has an outstanding reputation because of the expertise of staff, facilities and the breadth of our courses.

Our degree programmes are designed and taught by experienced forensic scientists, crime scene investigators (CSI), senior police officers and research-active academics. Our BSc and MSci courses are Chartered Society of Forensic Sciences accredited and have regularly scored highly in student satisfaction surveys. Teaching is in a range of specialist and dedicated environments, such as laboratories, crime scene houses and outdoor facilities, both on and off campus, alongside a cohort of high-achieving students with similar goals and aspirations.

Coursework and assessment is varied, including: crime scene examinations, laboratory reports, photographic portfolios, practical laboratory tests, presentations, field reports, written exams, essays, role play or a combination of these. Not only will our forensic science courses equip you with specialist knowledge of criminal and forensic investigation, biology and chemistry, you will also learn how to be a decisive, analytical thinker with well-developed numeracy, literacy and communication skills. All of these attributes are in great demand by employers!

WHY FORENSICS AT UCLAN?

• The first University to have dedicated crime scene houses as well as a garaged vehicle examination bay, and a blood spatter pattern analysis suite.
• Our courses are designed and taught by experienced forensic scientists, crime scene investigators, senior police officers and research-active academics.
• Research active staff have strong links with constabularies, criminal investigation agencies and hospital laboratories to support placement opportunities and job applications.
• Partnership with the Lancashire Constabulary and the launch of the Lancashire Forensic Science Academy to provide opportunities such as CSI shadowing and work placements.
• The Chartered Society of Forensic Sciences accredits all our BSc and MSci courses.
• Our courses are aligned to national occupational standards to ensure you fulfil the needs of future employers.
• Our Analytical Unit is equipped with cutting-edge instrumentation, such as electron microscopes and inductively coupled plasma mass-spectrometers. We also have laboratories dedicated to biology, entomology and anthropology and have recently installed a Hydra Minerva state-of-the-art simulation suite, as used by the UK National Crime Agency and the US Department of Homeland Security.
• Our dedicated laboratories are equipped with cutting-edge microscopy and analytical equipment and our outdoor facility for research in forensic taphonomy and decomposition is unique in Europe.
• Our graduates from previous years visit regularly to talk to you about their work, career paths and to advise you how to succeed in the workplace.

Find out more:

StudyAtUCLan
@StudyAtUCLan
FORENSIC SCIENCE COURSES

We offer a range of BSc and MSci courses that are accredited by the Chartered Society of Forensic Sciences. They are delivered by a range of highly qualified staff with substantial industry experience and strong academic reputations. Depending on your chosen course you will develop and learn from former senior police officers, senior forensic scientists, CSIs and academics who are all leaders in their chosen field of work.

We pride ourselves on creating forensic scientists who are experts in their area. You will gain education and training in three core topic areas with other options in first and second years.

You will study forensic investigation involving the management of crime scenes, collecting evidence and its analysis through fingerprinting, footwear impressions, tool marks, forensic photography, glass fragment analysis, body fluids, fibre analysis and ballistics.

Other core topics include forensic biology involving the identification of body fluids, forensic medicine, forensic entomology and DNA profiling.

Also included is forensic chemistry which is compound examination from narcotics to paints and accelerants, using chemical and physical methods to characterise and match trace samples.

Forensic Anthropology is an option in Years 1 and 2 and involves the study of the skeletal remains in order to determine a profile of a deceased individual as well as aspects of decomposition and burial.

The variety this course has to offer will leave you well placed for specialist employment in areas of forensic science, biological sciences or chemical analysis.

Find out more:
StudyAtUCLan
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Thanks to our accreditation and close links to the Lancashire Constabulary and Greater Manchester Police, this is a widely recognised and respected course enabling you to gain an in-depth understanding of the law relating to criminal investigation and forensic evidence.

Using the specialist crime scene houses, garaged vehicle examination bay and blood spatter analysis room, your modules in crime scene investigation will include fingerprint recovery and identification, crime scene photography, and the recovery and analysis of trace evidence, such as hairs, fibres and body fluids.

At the start of the course, you will have the choice to study one specialist area in addition to the rest of your criminal investigation studies; either crime scene investigation or forensic anthropology. You will continue studying your specialist option for all three years of the course.

In your second and third year you will have the opportunity to work alongside local police, CSI and scientific support teams (subject to successful selection).

You will also learn how to recognise, enhance and recover all evidence types from crime scenes and how to analyse that evidence in the laboratory.

In your final year, you will be able to select from one of several specialist investigation modules including e-crime, Fraud, Major Crime Enquiries, or International Law (Humanitarian and Criminal).

You can also select whether to study a dissertation focused on Criminal Investigation or Forensic disciplines.

On this integrated master’s course you will get the level of training associated with a BSc degree but with integrated master’s level modules, giving you a depth of knowledge that will significantly improve your employability.

You will study forensic investigation, processing crime scenes and analysing evidence in the laboratory, you will cover aspects of forensic biology, forensic chemistry and forensic anthropology.

In Year 4 you will specialise in molecular biology and its application in forensic science focusing on the generation, interpretation and application of DNA evidence and carrying out a chosen research project. Completion of the programme will leave you well placed for specialist employment in areas of forensic sciences, crime scene investigation, molecular biology or biotechnology.

This integrated master’s course will give you a significant advantage when it comes to getting a job in this highly competitive field.

This course means you will get all the training associated with a BSc degree and the distinct advantage of master’s level education in the area of analytical chemistry. You will study forensic investigation, processing crime scenes and analysing evidence in the laboratory. You will cover aspects of forensic biology, forensic chemistry and an option for forensic anthropology.

In Year 4 you will specialise in chemical analysis and its application in forensic science focusing on the application spectroscopic techniques for the analysis of trace evidence and carrying out a chosen research project.

We also offer year-long Foundation Entry routes to our degree courses for students who don’t have the appropriate level of qualifications to start an honours degree.

Foundation Entry provides an excellent introduction to university education in your chosen subject, helping you to gain the knowledge, study skills and confidence to really succeed throughout the rest of your course.

The additional study year is an integral part of your degree.
Crime Scene Houses

The Crime Scene houses are used to train students to process simulated crime scenes, initially with simple scenes followed by more complicated major incident scenarios. This includes a garage which contains cars that are used for vehicle examination.

We were the first academic institution in the country to use crime scene houses as an essential teaching aid. The number and quality of our crime scenes are second to none. The ground floor of each scene house is essentially for teaching the ‘bread and butter’ of crime scene examination. Venture upstairs to find more serious and complicated scenes. We have many ‘environments’ within the scene houses where realism is of the utmost importance. For example, in our public bar we have everything from the usual optics, pumps and bar stools down to details such as quiz flyers and bottle openers.

We have several other environments in which students can practice the techniques of crime scene investigation. The crime scenes are an ongoing development and as such regularly undergo changes to their appearance. Forensic evidence types can be added or removed dependent on any given scenario.

Analytical Laboratories

The analytical laboratories are equipped with state of the art equipment for a large variety of analyses.

These include gas and liquid chromatographic separations together with Mass spectrometric detectors for the analysis of unknown compounds as well as quantification of specific chemicals of interest. Also we have various Atomic spectrometric instruments such as SEM-EDX, Atomic Absorption Spectrometers and an Inductively Coupled Plasma Mass Spectrometer for elemental analysis of unknown substances and quantification of trace levels of metals. Two new NMR instruments are available for the investigation of molecular structure of organic materials. These facilities are available for both undergraduate teaching and projects as well as for research and can be used by any of the Schools or Services in the University.
Forensic Investigation Laboratory

The facilities are designed for training forensic science, chemistry, biology, anthropology, forensic examination and for all forensic and policing students in crime scene science.

The laboratory contains a large range of equipment used in forensic examination including a number of items from Foster and Freeman, Leica and Nikon. This equipment is also used in professional forensic labs and so the training our students receive prepares them for work in the field.

**Laboratory overview**

The School’s first search and recovery laboratory was purpose built in 2001, based on the design of the Forensic Science Service (FSS) laboratories at Chorley, and later a second larger laboratory was added.

They are used to teach techniques and procedures for forensic analysis. Students undertake simulated casework, applying search and recovery methods to examine clothing for hairs, fibres, body fluids and other trace evidence. Laboratory-based fingerprint enhancement techniques are also taught, allowing students to experience first-hand a number of methods, including superglue fuming, ninhydrin and SPR (Small Particle Reagent).

Our laboratories are equipped with instruments and apparatus which are currently used in actual forensic casework. This includes the following:

**AFIS (Automated Fingerprint Identification System)**

Following enhancement of fingerprints, you can scan your prints into the state-of-the-art system to allow comparison with the database and subsequent analysis.

**GRIM 3 (Glass Refractive Index Measurement)**

The GRIM 3 system is used to identify the refractive index of glass samples using a standardised oil immersion/temperature variation technique. The system can analyse up to four glass fragment edges simultaneously. This allows the samples to be grouped in terms of type of glass, and possibly determine whether two separate samples came from the same source.

**ESDA and ESDA 2 (Electrostatic Detection Apparatus)**

Used to detect indented impressions of handwriting such as a note recovered from an armed robbery at a post office stating ‘GIVE US THE MONEY AND YOU WON’T GET HURT’.

**VSC 5000 and QDX Spectral Comparators**

Used to examine suspect documents, and aids in detecting alterations or forgeries, and verifying security features often placed in important documents. This is done by exposing the document to varying wavelengths of light from IR to UV.

**Comparison Macroscope**

Used for the examination and comparison of a range of forensic evidence, including tool mark analysis and the examination of ballistic evidence.

**Comparison Microscope and stereomicroscopes**

Used for the comparison and analysis of trace evidence, including hairs and fibres. We also have a range of stereomicroscopes available for use in the examination of a variety of forensic evidence.

**Digital cameras and image capture equipment**

High specification digital SLR cameras are available, in addition to image capture equipment to enable you to keep accurate visual records of your observations and results.

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**Hydra Minerva Suite**

Students manage disaster scenarios using Hydra Minerva Suite

The management of major incidents, anything from plane crashes to the search for a missing child, can now be authentically recreated and experienced thanks to a purpose built, state-of-the-art simulation suite recently installed.

The training suite is one of the most sophisticated university installations in the country and one of the very few to mirror the specification and complexity of the most advanced systems used by police forces and other emergency services across the UK and abroad.

Developed by the National Centre for Applied Learning Technologies and known as Hydra/Minerva, the training simulator realistically recreates the sights, sounds, radio messages and telephone calls of crisis situations.

Including hardware and software the University has invested over £350,000 in the facility, which incorporates a control centre, a major incident conference room together with additional rooms for student teams to develop and direct incident strategy, tactics and operations.

Find out more:

[StudyAtUCLan](#)

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After having a passion for criminal investigation Lauren Hickson was always going to end up loving every minute of her time studying Forensic Science and Criminal Investigation at UCLan.

From the state-of-the-art facilities to the teaching that she describes as “faultless” the BSc course rarely fails to let down its students.

“The course is largely based around practical classes either in the laboratory or the crime scene houses and the lecturers are all practitioners with a large amount of experience in criminal investigations across the country.

“I loved how first year explored a number of areas, such as the law, crime scene and the forensic science aspect. It meant that we could find exactly which area interested us the most,” Lauren said.

“Over the past three years I have progressively become more organised and pro-active, which is good preparation for a job.”

Her excellent work on the course has not gone unnoticed from her lecturers as well as outside employers, with Lauren recently securing herself a placement with Greater Manchester Police shadowing a Crime Scene Investigator.

“I am absolutely over the moon with securing this placement as I know the opportunity is invaluable due to work experience in this area of expertise at a minimal,” Lauren said.

Lauren Hickson has nothing but good things to say about her time at UCLan, calling it a “great University” with “fantastic opportunities to study abroad and gain work experience.”

“OVER THE PAST THREE YEARS I HAVE PROGRESSIVELY BECOME MORE ORGANISED AND PRO-ACTIVE, WHICH IS GOOD PREPARATION FOR A JOB.”
Meet the Students

LAUREN BEATTIE
BSC (HONS) FORENSIC SCIENCE AND ANTHROPOLOGY GRADUATE
MSC FORENSIC ANTHROPOLOGY STUDENT

Having graduated with a degree in Forensic Science and Anthropology, Lauren Beattie is now back at UCLan as a postgraduate student taking a master’s in Forensic Anthropology. In Lauren’s mind, there was no doubt that UCLan was always going to be the right University for her.

“UCLan has one of the best schools in regards to Forensic Science. As an undergrad I didn’t actually apply to any other universities - all my five course choices were in the forensic science field at UCLan. The lecturers know their stuff. They also have some really impressive professional backgrounds, so I knew I was going to be in great hands.

“There is a really good collection of skeletons here at UCLan, from juvenile right up to the elderly, there are great examples of different pathologies and traumas. It makes learning about it a lot easier as it’s always better to be able to see and witness things that are spoken about in lectures. The huge 24hr library is also an absolute saviour!”

University life hasn’t always been plain-sailing for Lauren however. Due to major surgery in her first spell at UCLan, Lauren was unable to physically attend lectures for large parts of the latter years of her degree. “In undergrad I underwent major surgery. I couldn’t attend university for most of my second and third year, it was hard work keeping up with work and deadlines when I wasn’t attending any lectures, however all of my lecturers and my course leader were fantastic! I always had any support I needed, and staff were always accommodating to have meetings with me to help me get back up to speed.

“All the lecturers know exactly what they are talking about, and they’re also there for you every step of the way. I have always found that if I didn’t understand anything it’s never a problem, as staff are always happy to answer any questions and offer any support you need until you fully understand.”

Whilst Lauren states that she is looking forward to completing her master’s, she also says that many memories have been made to take away from her time at UCLan. “I’m really looking forward to my master’s dissertation project. I will be looking at a collection of skulls that have been found in Preston Docks and working in the Harris Museum. I will also be assisting teams in Canada and London with some research they are currently undertaking.

“In the first year we had the opportunity to go to Wales for a couple of days on a leadership course, it was so much fun! Not only did I get to bond with students on my own course that I wouldn’t typically have spoken to before, I got to meet students on other courses. If it’s still available and you have the opportunity to go, I 100% recommend it!

“Enjoy the university experiences. Preston as well as UCLan’s SU has loads to offer, so in your downtime make the most of it!”

Having graduated with a degree in Forensic Science and Anthropology, Lauren Beattie is now back at UCLan as a postgraduate student taking a master’s in Forensic Anthropology. In Lauren’s mind, there was no doubt that UCLan was always going to be the right University for her.
In the first collaboration of its kind, CSIs, forensic science experts, academics and students benefit from shared expertise whilst working alongside each other, delivering forensic science services in purpose built facilities across Lancashire.

The collaboration is part of Lancashire Constabulary’s commitment to innovation and is supported by a multi-million pound investment from UCLan to improve and enhance its forensic science department as part of the new venture.

**WHAT WILL THIS MEAN FOR OUR STUDENTS?**

This ground-breaking partnership gives students access to an operational environment. Its gives the opportunity for:

**CSI WORK SHADOWING**
Undergraduate students will have the opportunity to shadow crime scene investigators as they conduct their work.

**FORENSIC SCIENCE WORK EXPERIENCE PLACEMENTS**
Based at the Lancashire Forensic Science Academy at Hutton in fingerprints, footwear, drugs and body fluid analysis.

**RESEARCH DISSERTATIONS AND PROJECTS**
Undertake live projects linked to ongoing work of the Lancashire Forensic Science Academy in purpose built laboratories.

**TEACHING BY OPERATIONALLY ACTIVE PROFESSIONALS**
Operationally active scientific support professionals will teach in all aspects of our courses - from forensic practice, case studies and criminalistics through to professional accreditation and laboratory competence.

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**SPECIALIST TRAINING IN PRESTON FOR SWEDISH OFFICERS**

Eight customs officers become first to undertake specialist training through Lancashire Forensic Science Academy

A group of Swedish customs officers have become the first to undertake specialist training through the new Lancashire Forensic Science Academy.

Eight forensic officers, from Stockholm, Gothenburg and Malmo, spent five days undergoing theory and practical training at the University of Central Lancashire’s (UCLan) Preston Campus and Lancashire Constabulary’s Hutton Headquarters.

The continuing professional development (CPD) course included fingerprint enhancement and recovery techniques, fingerprint photography with ultra violet light, crime scene examination, vehicle examination and enhancement of fingerprints using various chemical treatments.

Customs team-leader Aleksandar Pavkovic said: “Our job back in Sweden is all about fingerprint recovery from vehicles and narcotics to laboratory work with DNA. This course has been about continuing to develop our specialist technical skills because the last time we did anything of this kind was about seven years ago. We are trying to catch-up on forensic science in Sweden because we don’t have this kind of education and facilities back home.”

He added: “We’ve been made to feel so welcome in Preston, we’re really happy we’ve been here and we’ve learned so much. We’ve already discussed the possibility of future training courses.”
NIA BASSRAL
BSC (HONS) FORENSIC AND CRIMINAL INVESTIGATION

How much have you enjoyed your CSI shadowing at the Lancashire Constabulary?
I enjoyed this experience a lot as it allowed me to ask any questions I had about the job role. Having done this experience I now know the characteristics which are required for the job such as being able to be sympathetic and understanding with victims you are faced with and also being able to be strong minded and to not take anything personally. It has definitely made me want to have this experience again over a period of a couple of days to really get stuck in.

What insights/skills did you learn on your shadowing that will be crucial to know for your career?
I learnt how to recover fingerprints, blood and take photos of the scene. The person running the sessions was very helpful at answering questions and also told me a lot of stories of jobs they are most proud of which has given me the determination to want to help people in the same way.

How much do you feel this kind of opportunities can be for students?
I think it is very beneficial, as it gives a good insight into what the role entails and for students to understand that although there will be extremely interesting jobs to go to there will also be not so interesting jobs that need to be attended. I personally believe that this opportunity is a once in a lifetime and can also give guidance if you are unsure on what career you would like to pursue.

How beneficial do you believe these kinds of opportunities can be for students?
I think it is very beneficial, as it gives a good insight into what the role entails and for students to understand that although there will be extremely interesting jobs to go to there will also be not so interesting jobs that need to be attended. I personally believe that this opportunity is a once in a lifetime and can also give guidance if you are unsure on what career you would like to pursue.

How much would you recommend taking part in this and other extracurricular activities to students?
I would recommend this highly as it gives a better understanding of the career path and doing extracurricular activities will show you have good time management. Joining the specials for example could open up a lot of opportunities for when you have graduated university.

DAVID GREEN
BSC (HONS) FORENSIC AND CRIMINAL INVESTIGATION

As well as gaining a top level degree, the UCLan experience gives all students the opportunity to go out and gain industry level experience. David Green is one of those students who has done just that. David, who is a mature student, was quick to state how much he enjoyed his placement and how help from his peers and tutors at UCLan helped him to make the most of it.

“I enjoyed the shadowing a lot, it was great! For someone like me who is a little bit older, it’s a bit different for me coming to University. I miss working so to get the opportunity to get out and be on the ground, is something I really enjoyed. My individual shadowing involved going out with the CSI, starting at their main base. They have their own job sheets which they have to go out and attend to. They chose their sheets in order of severity and it was a string of burglaries which were pretty much in the same area. We attended each one and saw what evidence we could get from each. To finish off the day we had a car crime which they needed to get prints from for evidence. I found all the skills learnt at UCLan could be put into practice on this placement.”
STAFF PROFILES
OUR COURSES ARE DELIVERED BY EXPERIENCED ACADEMICS, WITH PROFESSIONAL BACKGROUNDS IN THEIR SUBJECT AREA AND ARE INVOLVED IN CUTTING-EDGE RESEARCH.

FORENSIC SCIENCE AND CHEMICAL ANALYSIS

WILL STOCKBURN
- Experienced as a surface treatment specialist for the restoration of antique firearms and shotguns and in the aerospace industry as a chemical analyst.
- Organises the Royal Society of Chemistry Schools' Analyst Competition and the 'THIS-IS-CHEMISTRY' show at the Lancashire Science Festival.

ANNA KIRKHAM
- Graduated from the University of Manchester with an MChem Chemistry and was awarded The John Salthouse Prize for Inorganic Chemistry.
- An experienced FE lecturer and is currently involved with examining and external moderation of BTEC Applied Science and Forensic Science, Access to Higher Education, A Level and GCSE Chemistry.
- Research interests are in analytical forensic chemistry, inorganic chemistry, assessment and the use of technology in learning for forensic chemistry.

JANINE MCGUIRE
- Completed an undergraduate and master’s degree in chemistry at The University of Liverpool followed by a PhD at UCLan.
- Teaches the chemistry degree and chemistry in the forensic science degree courses.

PHIL HOULDSWORTH
- 15 yrs in HM Forces he then worked as a consultant in the field of forensic toxicology and analytical sciences.
- Advisor with HM Prison Service and the National Offender Management Service (NOMS) on all aspects of custodial drug testing.
- Interest in forensic toxicology is the analysis of synthetic cannabinoids.

JIOJI TABUDRAVU
- Previously a Senior Scientist at Aquapharm Biodiscovery Ltd. based at the European Centre for Marine Biotechnology in Oban.
- Research interest is in the area of drug discovery from marine bacteria, fungi, and plants to combat multi-drug resistant microbes and other applications.

STEVE ANDREWS
- A Forensic Scientist for 12 years with the Forensic Science Service.
- Previously employed as a fire investigator, attending fire scenes and vapour explosion scenes.
- Acts as an expert witness in forensic fire investigation.

FORENSIC SCIENCE AND CRIMINAL INVESTIGATION

PAUL CALLAGHAN
- 16 yrs Crime Scene Investigation experience with a Met Police Force.
- Specialist in Disaster Victim ID and major crime scene investigations.
- Provider of CSI training to Police forensics in Abu Dhabi, Dubai and Ethiopia.

ALLAN SCOTT
- 25 yrs + as a forensic support professional serving in four police services.
- Previously Head of CSI, Bedfordshire Police and later Merseyside Police.
- As Forensic Quality Assurance Manager, Merseyside Police, responsibility for all activities in relation to forensic Investigation.

PAUL WHEELER
- A fully qualified Crime Scene Investigator conversant with current practices and new crime solving techniques.
- Longest serving CSI in Manchester for 32 years.

DERYCK SHARPLES
- 28 yrs at Lancashire Constabulary as a CSI, Crime Scene Manager and Head of Crime Scene Investigation.
- Part of the UK Disaster Victim Identification team responding to worldwide mass fatality incidents.
- Fully trained in Bomb Scene Management and the recovery of forensic evidence.

KEV PRITCHARD
- Involved in the examination of all types of crime scene from minor assault through to serial murder.
- BSc FSCI course leader for 12 years and now the Forensic Science Continuous Professional Development Co-ordinator.

ADAM WILCOX
- A UCLan Forensic Science graduate who teaches on a variety of different modules, with subjects ranging from basic fingerprinting, evidence collection and crime scene processing to the laboratory enhancement of evidence.
TINA GORNALL
• Worked as a Forensic Footwear Technician at Lancashire Constabulary, analysing footwear evidence recovered from crime scenes.
• An Accredited Facilitator for the Hydra Minerva Suite.

ARTUR WITKOWSKI
• Current projects include the Measurement of Kinetics and Thermodynamics of Pyrolysis of Combustible Solids and the Investigation of Flame Retardant Mechanism of Nanoclay and Carbon Nanotubes on Polymeric Material.

CLAUDE WILLIAMSON
• Senior Lecturer in Forensic Science, who has a specific interest in fraud and document analysis. Also completed a PhD in Forensic Science investigating the chemistry of inks.
• Has worked with the Netherlands Forensic Institute on a project to discriminate between paper samples using different analytical techniques.
• Worked with the Lancashire Forensic Science Academy on two validation projects for ISO accreditation in footwear examination.

SUE CARNEY
• An operational consultant forensic scientist specialising in the examination and interpretation of body fluid and DNA evidence.
• Former Forensic Science Service from 2001 to 2011.
• Director of Ethos Forensics, an independent forensic science consultancy and training company.

SUSAN JONES
• An Associate Lecturer at UCLan who is also the CEO and owner of her own company (Cage Concepts Ltd).
• She has patents pertaining to channelled, high fluid transport zeolite monolithic materials and zeolite/carbon composites.

KAREN LUPTON
• A UCLan lecturer since 2001 and has also worked at Manchester University and within the NHS Pertussis Reference Laboratory.

PETER CROSS
• Responsible for the establishment of the TRACES (Taphonomic Research in Anthropology - Centre for Experimental Study) research facility.
• Worked in Guatemala as a forensic anthropologist and in New York with the Office of the Chief Medical Examiner.
• In April 2013 Peter was shortlisted for ‘Lecturer of the Year’ award.
• Peter has also designed and runs four professional short courses offered by the School.

ALLISON STEWART
• Completed her MSc Forensic Anthropology degree from the University of Central Lancashire (2012) and since has achieved accreditation status as a Forensic Anthropologist in the UK, assisting local constabularies with casework.
• Current research is focused on the establishment of biological similarity between individuals within early medieval skeletal assemblages by examination of their dentition.
• Her current research is focused on the establishment of biological similarity between individuals within early medieval skeletal assemblages by examination of their dentition.

PATRICK RANDOLPH-QUINNEY
• Experienced anthropologist and archaeologist, including Human Rights investigations, and with current fieldwork projects in the UK and South Africa.
• Research focusses on forensic trauma analysis, post-mortem processes, complex burial environments, and advanced 3D imaging methods in anthropology and archaeology.

WILL GOODWIN
• Eight years at the Human Identification Centre at the University of Glasgow undertook casework including human identification and paternity testing.
• Advisor to the International Committee of the Red Cross (ICRC) and has worked as a technical assessor working for the United Kingdom Accreditation Service (UKAS).

SIBTE HADI
• Forensic pathologist by training and a forensic geneticist.
• PhD in Human Identification and worked at the Louisiana State University, setting up a DNA sequencing facility.
• Works as an advisor and expert for United Kingdom Accreditation Services for Forensic DNA and Relationship testing laboratories in the UK and abroad.

RACHEL CUNLiffe
• Teachers human skeletal anatomy to both undergraduates and postgraduates.
• Helps students develop their academic and employability skills through academic support and structured work experience.

JUDITH SMITH
• Background is in molecular genetics ranging from forensic DNA analysis, population genetics and developmental biology.
• Particular interests are in the development of genetic markers for wildlife forensics and molecular ecology. Also is involved in projects investigating genetic variation in ancient sheep, environmental DNA analysis and forensic entomology.
Can you please tell us a little about your background in Forensic Science and the path that led you to working at UCLan?
My first role was as a Crime Scene Investigator at West Mercia Constabulary. I then moved to Lancashire Constabulary at Blackpool, gaining vast amounts of experience whilst dealing with many types of crime scene, from suspicious devices, fatal arson to serial murder. I then began passing on that knowledge to police probationers, potential CSIs, people who wanted home security advice and full-time serving police officers in the form of organised classes. I found that I enjoyed the teaching aspect especially as there was little known about the career at the time. In 2001, UCLan established a Centre for Forensic Science and advertised for someone to teach the crime scene aspect.

What is your career highlight to date?
On a personal level, it would be achieving a master’s degree in photography. It has been a hobby of mine since the age of 5 and is also the primary method of recording a crime scene. As far as my course, BSc in Forensic Science & Criminal Investigation, it would be winning Gold at the World Skills UK in the annual National Forensic Science competition for two years consecutively. The course is designed to exceed the National Occupational Standards for a career in CSI and as a result, we have had many students employed by local constabularies. We hope to build on this success with the establishment of the Lancashire Forensic Science Academy, a collaboration between Lancashire Constabulary and ourselves.

Which area of Forensics fascinates you the most and why?
It would have to be photography. Over the years I have witnessed many changes; from film to digital, the use of digital techniques such as 360 degree photography at crime scenes, aerial photography using drones and the possibility of using virtual reality and/or augmented reality to view crime scenes.

What is the best part of being a University lecturer in general?
This probably sounds slightly clichéd, however it is witnessing the students develop over the years into mature, employable young adults and then hearing of their successes in the workplace, knowing that I played a part in that success.

What would your advice be for any Forensic Science students starting in September?
Arrive at UCLan with an open mind, engage in every opportunity you can; that includes hobbies and interests and forget what you have seen on forensic TV programmes. If you join our courses, know that the benchmark is set high, however with an amount of personal application you can achieve your goals.
In such a competitive job market, our graduates stand out: they can choose to work in forensic investigation, but have the skill sets that many graduate employers from a variety of fields are looking for.

The law aspects of the course mean that our graduates can work in areas that require legal knowledge and knowledge of investigative processes. You can find them in work for private companies, local and national government agencies, the Civil Service, in education and research, at NHS laboratories, as managers, in fraud detection, as well as working as crime scene investigators, forensic experts, Police intelligence analysts and police officers, both at home and overseas.

Our courses are an excellent basis for employment in the forensic sector, as well as providing skills that prepare you for a range of graduate roles. You can enter careers in medicine, dentistry and veterinary science.

Our graduates are at work in a variety of forensic settings - as forensic scientists, laboratory analysts, crime scene investigators, police officers, scientific support personnel and intelligence analysts, at home and overseas. Graduates also gain roles in private companies, local and national government agencies, the National Health Service, biotechnology firms, pharmaceutical companies and a range of other scientific industries.
THE UCLAN EXPERIENCE STARTS HERE...

WELCOME TO THE UNIVERSITY OF CENTRAL LANCASHIRE

Over 95.5% of our graduates are employed within six months of graduating - HESA 2018

Preston awarded ‘safe’ city status for nights out

ONLY A 25-MINUTE DRIVE TO THE BEACH AND BRIGHT LIGHTS OF BLACKPOOL

UCLAN IS RANKED IN THE TOP 3.3% OF UNIVERSITIES IN THE WORLD - Centre for World University Rankings 2017 (CWUR)

FREE SPORTS MEMBERSHIP TO OUR £13M SIR TOM FINNEY SPORTS CENTRE ON CAMPUS

Relax and work in our new Social Hubs, complete with glass ceilings, kitchens and games

Compact city centre campus - shops, bars and restaurants on your doorstep

Over 95.5% of our graduates are employed within six months of graduating - HESA 2018

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In compiling this guide, all reasonable care has been taken to ensure its accuracy at the time of printing (September 2018). We hope you enjoy your UCLan experience, if not we have a complaints procedure in place, please visit uclan.ac.uk/student/contact.