

SPECIALIZATION FORENSIC BIOLOGY EXCHANGE PROGRAMME

In the specialization Forensic Biology we focus on the forensic DNA field and other biological information as well. From biological sample collection and presumptive testing to the generation of DNA profiles, other relevant DNA techniques, statistical issues and ethics.

THE PROGRAMME

The exchange programme includes courses in 'Phylogenetic Analysis' and 'Ethics and DNA sequencing'. Hands-on laboratory training is provided. In the training 'RT-PCR and qPCR' you will learn the ins and outs of quantitative PCR and will work with RNA and cDNA. The training 'dating of injury' focuses on histological aspects of Forensic Biology

and immune-histochemistry and includes several interesting guest lectures. Finally, ethical considerations and 'Forensic DNA statistics' are taught and discussed.

PROJECTS

In addition to the courses and training sessions, you will carry out a research project. The projects are carried out by a pair of students and are supervised in small groups to stimulate exchange of ideas and group work. Once you have carried out literature research and produced a practical project proposal, you will spend at least ten full working days in the laboratory (twenty 4-hour time blocks). Examples of research subjects in the past years are: Blood reveals age, DNA barcoding of beetles,

hypervariable regions of mitochondrial DNA, Environmental DNA, mixed DNA profiles, DNA methylation and aging.

ADMISSION

To qualify for admission to this specialization you have completed a minimum of 2 years of university study in Forensic Science, Biology of Chemistry. A high standard of practical laboratory skills and basic knowledge of genetics and DNA profiling are mandatory. If you want to improve your laboratory skills, the minor in International Forensics, which includes a basic lab skills programme, is recommended prior to this minor.

ECTS

The total exchange programme is worth 30 ECTS credits, equivalent to a study load of 30 times 28 study hours, in 20 calendar weeks. The specialization is part of the major 'Forensic Laboratory Investigation', which is part of the study program 'Biomedical Research' at the Avans School of Life Sciences and Environmental Technology in Breda, the Netherlands.

START

February

DURATION

One semester

LEVEL

Bachelor

TUITION FEES

(Erasmus) exchange students

As an exchange student you do not need to pay tuition fees to Avans University of Applied Sciences, but you will continue to pay tuition fees to your home institution.

OTHER STUDENTS

If your university is not a partner of Avans University of Applied Sciences, you can come as a full paying student. For more details contact the Avans International Office on +31 88 525 80 01 or at internationaloffice@avans.nl.

LOCATION

Breda, the Netherlands.

APPLY

If your university is an exchange partner of Avans University of Applied Sciences you can apply for a study semester at the International Office of your own university. The International Office at your university will know if there is an agreement in place with Avans. Once you have been nominated for this programme by your university you can register for it online at avans.nl.

CONTACT

If you are interested in this study programme and want more information, contact our Exchange Office:

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or our International Office:

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Check out our International Magazine at international.avans.nl