

In the third year, you do a work placement and take the semester Specialisation specific to your track. The work placement can vary, from working for an environmental consultancy to doing research at a research university. In the fourth year, you can choose a minor within Avans or with one of our partner universities. During the final half of the fourth year, you complete your graduation assignment within a Dutch or foreign company, research institute, environmental organisation or our Research Group.

POTENTIAL CAREERS

You will graduate as a professional environmental engineer with a Bachelor of Science degree. The job opportunities are excellent. You could, for instance, work in an environmental consultancy, as an Environment, Health and Safety advisor or as government policy developer. After this programme, you can also apply for a post-graduate programme leading to a Master of Science degree (MSc). For example at research universities in Wageningen, Utrecht, Maastricht, Stockholm, Helsinki or Paris.

OUR AWARDS

This study programme has been voted best Environmental Science Bachelor study programme of 2018, 2019 and 2020 by the Full-time Higher Professional Education Options Guide. The same guide further mentions that Avans has been the only University of Applied Sciences educational institution in the top three for the past five consecutive years, and has been ranked best University of Applied Sciences in 2018, 2019 and 2020.

CONTACT US

For general questions, information about Avans and studying in the Netherlands:

International Office

internationaloffice@avans.nl
+31 (0) 88 525 75 50
avans.nl/international

For specific questions about the programme and admission requirements:

ESSET Office

esset.atgm@avans.nl

Also check out our International Magazine at international.avans.nl

Find us on Facebook!

 facebook.com/ESSETavans



avans.nl/international



Issues like global warming, water pollution and resource depletion interest you. And you are motivated to solve these issues. The Environmental Science for Sustainable Energy and Technology programme will transform you into an environmental professional ready to take on a challenge.

YOU

You want to keep the planet safe for future generations. You are interested in science subjects and you have an open mind towards other cultures. You are a team player and, at the same time, self-motivated. You are adventurous, independent and enthusiastic about studying and working abroad.

THE PROGRAMME

Through several projects, trainings and courses, you will learn about sustainable energy techniques, bio-based waste management, environmental pollution & cleanup technology, cost-benefit analyses, stakeholder analyses and environmental policy & law. Given the diverse character of the student population, you will learn about these subjects within an international context.

STARTS SEPTEMBER

Lecturers and staff members are highly qualified. Our approach is personal. You will work in small groups. A personal coach and study counsellor will give you plenty of guidance. The atmosphere is friendly, open and international. The composition of the student group extends from Europe to Africa and Asia. The projects directly relate to the working environment, so you will deal with realistic problems and data.

ADMISSION

The level of your prior education has to be equivalent to a Higher General Secondary Education level (Dutch havo) with a science profile (chemistry and mathematics) and English or Pre-University Level (Dutch vwo) with science profile (chemistry and mathematics) and English. In addition, adequate knowledge of other science subjects like biology and physics is recommended. If you are unsure whether you meet these admission requirements, please contact us (eset.atgm@avans.nl). If we are not familiar with your foreign diploma, NUFFIC, the Dutch organisation for international recognition of diploma, will check the level of your diploma for us.

ENGLISH LANGUAGE

To maintain high standards of English language competencies in our international classrooms and in compliance with Dutch national guidelines, Avans has set minimum language requirements for foreign degree-seeking students. For this study programme foreign students must have English language skills equivalent to an academic IELTS test with an overall band score of at least 6.0.

You are exempted from this minimum language prerequisite if you have obtained a diploma of secondary education with English in a country listed in the diploma list, as published on the Admission subsection of our website (avans.nl/international). Or if your prior education has officially been taught in the English language. If you do not meet the language requirements, you must take a language course first and provide evidence of your language competencies in the form of an official certificate (e.g. IELTS or TOEFL). If you are unsure whether you meet the English language skills, please contact us by email (eset.atgm@avans.nl).



Elvira (Kenya/Italy): "I chose to study ESSET at Avans University of Applied Sciences, because the environment interests me and I would like to play my part to change our society. The ESSET programme grants me next level knowledge of environmental issues & solutions, and at the same time it improves my communication skills through group interactions & projects. This is what I love about the programme."

THREE YEAR PROGRAMME

Candidates with a diploma equal to a Pre-University Level (Dutch vwo) with a science profile (chemistry and mathematics) and English might be eligible to start in the second year. In this case, you will follow a special three year programme, enabling you to obtain your bachelor diploma in three years. For more information and admission requirements regarding the short track programme, please contact us by email (eset.atgm@avans.nl).

STUDY SUBJECTS

Environmental Science for Sustainable Energy and Technology is a four year Bachelor of Sciences programme, offering two different tracks. You can select the **Sustainable Energy & Resources** or the **Water-management, Ecosystems and Climate Change** track.

Both tracks include a mixture of natural science, technology, management and social science topics. You choose your track in the second year. The first year focuses on basic skills. Like maths, chemistry and biology. And on language and (intercultural) communication skills. We also introduce the main environmental issues in project work. In the second year, you do advanced coursework and take on more complex projects relating to your chosen track. Examples include recovering resources from wastewater or studying the effects of climate change adaptation projects on ecosystems. In addition, new environmental areas of interest are introduced. Like biodiversity, sustainable development and climate change.

Lukas (Germany): "ESSET first caught my eye while searching for an applied bachelor programme online. Once I arrived and settled in Breda, a beautiful city which offers loads of activities and places to go, I found myself in a multicultural group of fellow students. I learned a great deal about different aspects of environment and the application of sustainable technology. Together with some very dedicated teachers and students, many very interesting courses and projects ensured me that I picked the right study."



OVERVIEW ESSET PROGRAMME*

Year 1	Projects, courses, practicals and personal development	
Year 2	Choice of study track - Projects, courses, practicals and personal development	
Year 3	Internship assignment	Track specific semester Specialisation
Year 4	Minor programme (at Avans or elsewhere)	Graduation project

* If you are following the 3 year programme, the 1st year will be a selection of 1st and 2nd year elements.