

# International Exchange Semester Renewable Energy, Materials and Processing

Does a career in renewable energy, materials and processing appeal to you? And you would you like to apply chemical engineering to the improvement of burgeoning green technologies such as biomass digester and biogas upgrading systems?

This is your chance! The semester starts in September (winter semester) in the best student city of the Netherlands: Groningen! The international semester focuses on renewable energy, materials and processing projects in cooperation with companies and institutes. The semester is part of the bachelor programme Chemical Engineering at the Institute for Life Science & Technology.

<b>Form:</b>	Full-time exchange semester
<b>Length</b>	1 semester
<b>Starts in</b>	September (winter semester)
<b>ECTS Credits</b>	31
<b>Language</b>	English
<b>Website</b>	<a href="http://www.hanze.nl/lifesciences">www.hanze.nl/lifesciences</a>

## Content of the semester

The semester focuses on projects in the field of renewable energy, materials and processing carried out in groups of around 5 students. Attention is paid both to project organisation and project results. Theoretical courses include modules to analyse complex systems and biochemical reaction engineering.

Both your social and engineering skills are crucial to obtain the right mix of group atmosphere and results-oriented dedication. For a summary of the semester and additional information, please visit the website [www.hanze.nl/lifesciences](http://www.hanze.nl/lifesciences).

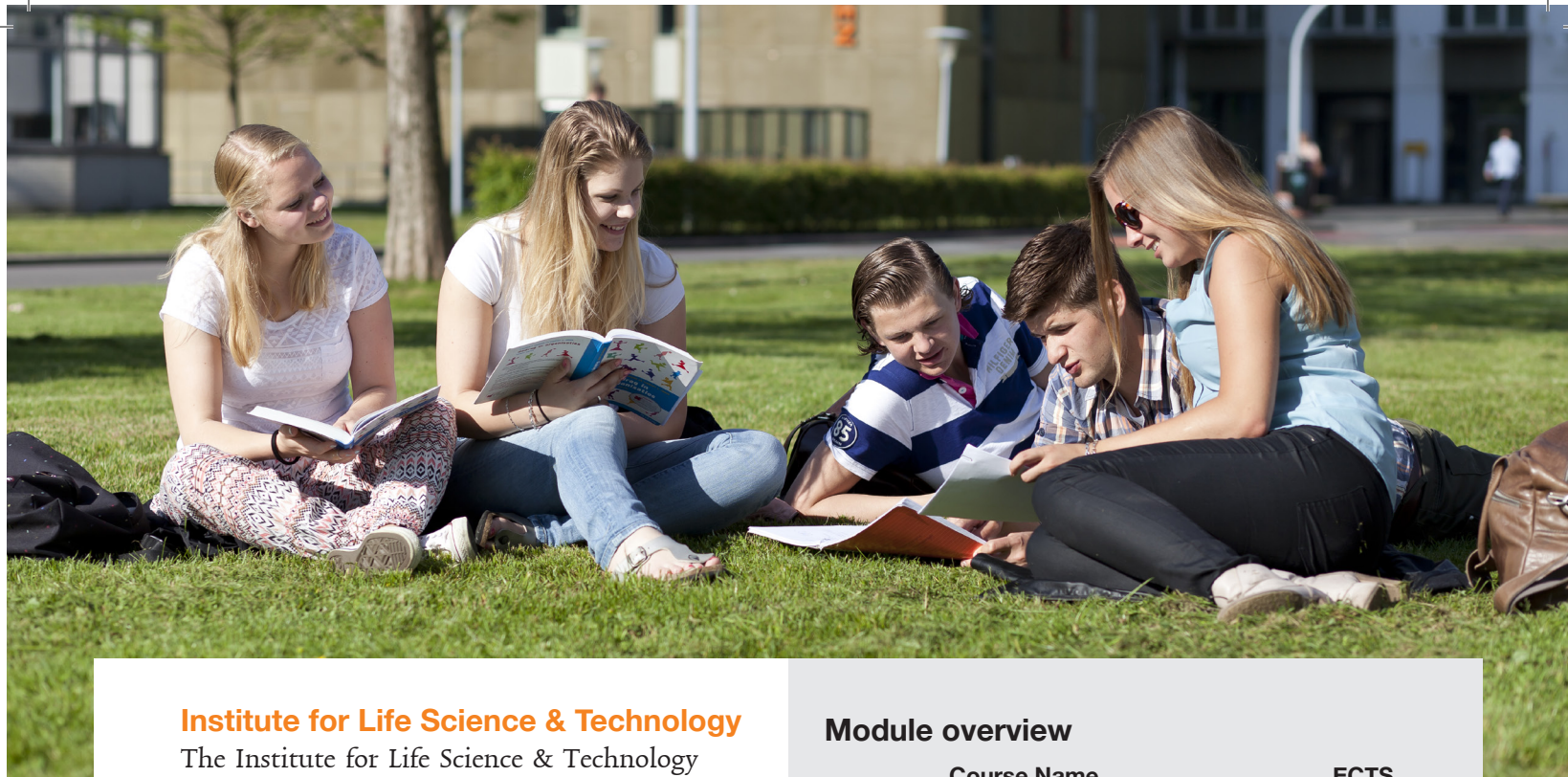
## We offer you

- A semester chemical engineering, fully taught in English by experienced lecturers in chemical engineering and bioprocess technology
- Theoretical courses and project work in the field of renewable energy, materials and processing
- Projects carried out in cooperation with companies and institutes that are leading in the field
- Participation in an international atmosphere, consisting of students from different countries and cultural backgrounds, including The Netherlands

## Entry requirements

- Must have completed 2 - 3 years of a bachelor's programme in the field of chemical engineering or bioprocess technology
- Good command of English (TOEFL or IELST test required)





### Institute for Life Science & Technology

The Institute for Life Science & Technology is one of the 17 schools at Hanze University of Applied Sciences, Groningen and has around 1000 students. We offer the following Dutch taught programmes: Bioinformatics, Biology and Medical Laboratory Research, majors Research and Medical Diagnostics, Chemistry and Chemical Engineering.

### Exchange semesters

The Institute for Life Science & Technology also offers a number of other international exchange semesters. These semesters are:

- Biochemistry (summer semester)
- Bioinformatics for Life Science (summer semester)
- Food Ingredients & Health (summer semester)

### Module overview

	Course Name	ECTS
<b>Term 13</b>	Dutch Culture and Language 1/ Introduction	1
	Analysis of Complex Systems	4
	Project Renewable Energy, Materials and Processing 1	11
<b>Term 14</b>	Dutch Culture and Language 2	1
	Catalysis	3
	Renewable Energy, Materials and Processing 2	11

### Contact

For general questions regarding the international exchange semesters, please contact:

**Institute for Life Science and Technology**  
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#### International Service Desk

For questions about the application procedure and international students matters please contact the International Service Desk (ISD).  
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