



Chemistry

Course offer for exchange students

Academic year 2026/2027



Chemistry – Course offer for exchange students 2026/2027

Chemistry

Chemistry is all about experimenting, researching and analysing. You are going to ensure diseases are no longer life-threatening, or you'll be solving murder cases based on DNA analyses.

You will be researching the composition of substances and products and will be able to analyse these down to the very last molecule. The HZ Chemistry study programme will train you to become an analytical and accurate researcher who is able to contribute to a better world. You also will develop new bio-based materials or innovative methods based on rules of green chemistry from wastewater to medicine to plastics.

We welcome exchange students in the Fall and/or Spring semester.

Fall Semester

During the Fall semester you can follow courses from our 1st, 2nd or 3rd year.

1st year topics are

- Food Chemistry (Q1)
- Quality control (Q2)

2nd year topics are

- Environmental Chemistry & Toxicology (Q1)
- Bio-organic toolbox. (Q2)

3rd year **courses** either in Applied Chemistry or Life Sciences specialisation.

Topics of the fall semester (Q1 and Q2) are

Applied Chemistry specialisation

- Specialisation Applied Chemistry I (Q1)
- Specialisation Applied Chemistry II (Q2)

Life Sciences specialisation

- From Molecules & Cells to Human Health (Q1)
- Achievements & Challenges of Life Sciences (Q2)

Important note:

- Go to page 4 for the complete course list
- Course descriptions can be found [here](#).
- Based on your educational background the programme coordinator will determine whether you will be admitted to the 1st, 2nd or 3rd year.

Spring semester

During Spring semester you can follow courses from our 1st or 2nd year.

1st year topics are

- Biobased Products & Technology (Q3)
- Health & Chemistry (Q4)

2nd year topics are

- Forensic Science (Q3)
- Marine Bio based Specialties (Q4)

Important note:

- Go to page 4 for the complete course list
- Course descriptions can be found [here](#).
- Based on your educational background the programme coordinator will determine whether you will be admitted to the 1st, 2nd or 3rd year.

Course list 2026/2027

| Year | Semester | Quarter | Study programme component | Credits in total per semester | Course code | EC | Abbreviation | Title |
|-----------|--------------------|--------------------|---|-------------------------------|--------------------------------------|--------------------------------|------------------------|--|
| | | | | | | | | |
| 1 | 1 | Q1 | Block 01 Food Chemistry | 30,00 | CU20623V3 | 5,00 | BeerChe | Beer Chemistry |
| | | | | | CU20624V1 | 5,00 | Che1Mic1 | Chemistry 1 and Microbiology 1 |
| | | | | | CU76012V1 | 2,50 | Math | Mathematics |
| | | CU76014 | 2,50 | | Q&S | Quality & Safety | | |
| | | CU20626V3 | 5,00 | | PoolChe | Pool Chemistry | | |
| | | CU20627V1 | 5,00 | | Che2Mic2 | Chemistry 2 and Microbiology 2 | | |
| | Q1 / Q2 | Additional courses | CU34638V21 | 2,50 | Dutch CL | Dutch Culture & Language | | |
| | | | | 2,50 | HZ explore | HZ Explore | | |
| | | | | | | | | |
| | 2 | Q3 | Block 03 Biobased Products & Technology | 30,00 | CU20629V3 | 5,00 | Bioproduct | Bioproduct Extraction & Analysis |
| | | | | | CU20630V1 | 5,00 | Org1Bio1 | Organic Chemistry 1 & Cell biology 1 |
| | | | | | CU20631V2 | 2,50 | BioBpr | Biobased Products & Materials |
| | | CU76015 | 2,50 | | Data1 | Data analysis 1 | | |
| | | CU20632V3 | 5,00 | | BioAc | Biologically Active Compounds | | |
| CU20633V1 | | 5,00 | Org2Bio2 | | Organic Chemistry 2 & Cell biology 2 | | | |
| Q3 / Q4 | Additional courses | CU34638V21 | 2,50 | Dutch CL | Dutch Culture & Language | | | |
| | | | 2,50 | HZ explore | HZ Explore | | | |
| | | | | | | | | |
| 2 | 1 | Q1 | Block 05 Environmental Chemistry & Toxicology | 30,00 | CU24063V2 | 5,00 | EnvTox | Environmental Chemistry & Toxicology |
| | | | | | CU24064 | 5,00 | Spe1Tox | Spectroscopy 1 & Toxicology |
| | | | | | CU76018 | 1,25 | Data2 | Data analysis 2 |
| | | Q2 | Block 06 Bio-organic Toolbox | | CU24067V2 | 5,00 | BOT | Bio-organic Toolbox |
| | | | | | CU24068 | 5,00 | Org3Bch1 | Organic chemistry 3 and Biochemistry 1 |
| | | | | | CU76019 | 3,75 | Spe2 | Spectroscopy 2 |
| | Q1 / Q2 | Additional courses | CU34638V21 | 2,50 | Dutch CL | Dutch Culture & Language | | |
| | | | | 2,50 | HZ explore | HZ Explore | | |
| | | | | | | | | |
| | 2 | Q3 | Block 07 Forensic Science | 30,00 | CU24074V2 | 5,00 | FSc | Forensic Science |
| | | | | | CU24075 | 5,00 | Spe3Sep1DNA1 | Spectroscopy 3 / Separations 1 & DNA 1 |
| | | | | | CU76021 | 1,25 | Data3 | Data analysis 3 |
| | | Q4 | Block 08 Marine Biobased Chemistry | | CU24077V2 | 5,00 | RC | Research cycle |
| | | | | | CU24078 | 5,00 | Sep2/Bch2 | Separations 2 & Biochemistry 2 |
| CU76023V1 | | | | | 2,50 | L&S | Labmanagement & Safety | |
| Q3 / Q4 | Additional courses | CU34638V21 | 2,50 | Dutch CL | Dutch Culture & Language | | | |
| | | | 3,75 | HZ explore | HZ Explore | | | |
| | | | | | | | | |
| 3 | 1 | Q1 | Block 09 Specialisation Applied Chemistry I | 30,0 | CU76000V2 | 5,0 | CHRpr | Chromatography practice |
| | | | | | CU76001V1 | 5,0 | POL | Polymer chemistry & analysis |
| | | | | | CU76002V1 | 5,0 | CChe | Circular Chemistry |
| | | Q2 | Block 10 Specialisation Applied Chemistry II | | CU76006V2 | 5,0 | CCpr | Circular Chemistry practice |
| | | | | | CU76007V1 | 5,0 | CHRth | Advanced Chromatography |
| | | | | | CU34638V21 | 2,50 | Dutch CL | Dutch Culture & Language |
| | Q1 / Q2 | Additional courses | | 2,50 | HZ explore | HZ Explore | | |
| | | | | | | | | |
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| | 1 | Q1 | Block 09 From Molecules & Cells to Human Health | 30,0 | CU76003V2 | 5,0 | IMMpr | Immunology practice |
| | | | | | CU76004 | 5,0 | Imm1Bch3 | Immunology 1 & Biochemistry 3 |
| | | | | | CU13416V6 | 2,5 | BioTech | Biotechnology |
| | | Q2 | Block 10 Achievements & Challenges of Life Sciences | | CU76009V2 | 5,0 | MolBio | Molecular Biology toolbox |
| | | | | | CU76010 | 5,0 | Imm2DNA2 | Immunology 2 & DNA 2 |
| CU13415V6 | | | | | 2,5 | Biolnf | Bioinformatics | |
| Q1 / Q2 | Additional courses | CU34638V21 | 2,5 | Dutch CL | Dutch Culture & Language | | | |
| | | | 2,50 | HZ explore | HZ Explore | | | |
| | | | | | | | | |
| 2 | | Minor | 30,0 | CU05600V12 | 30,0 | MINOR | Research minor | |

- CU34638V21 - Dutch Culture & Language (2,5 ECTS)
This class helps you to become knowledgeable in basic Dutch and introduces you to Dutch culture and history. It's offered every other week at the campus in Vlissingen.
- Course descriptions can be found [here](#).