



# Civil Engineering

Course offer for exchange students

Academic year 2026/2027



# Civil Engineering

Are you interested in contributing to the construction of the largest lock project in the world? In determining how high and how strong dikes should be to ensure flooding does not take place? Or would you like to make sure that people and animals can continue to live safely near coasts and rivers despite climate change? If your answer is 'yes' to the questions above, the Civil Engineering programme at HZ may be the right choice for you!

It is expected that by 2050 80% of the world's population will live in delta areas. In these areas, where rivers meet the sea, there are increasing challenges due to climate change. With your expertise as a civil engineer, you will tackle problems such as coastal safety and urban flooding and contribute to safety in deltas around the world. During your study, you learn everything about the design and building of large constructions and managing huge international projects. Examples include the Panama locks in the Panama Canal; the Channel tunnel that connects the United Kingdom with France; and the magnificent Palm Islands in Dubai, a design that could have been yours if you were already a civil engineer! Doing Civil Engineering at HZ means you are studying in the middle of a delta area: when walking out of the University of Applied Sciences, you will encounter your field of work all around you.

The Civil Engineering programme focuses upon nine competencies, divided into two typologies: six technical competencies refer to the so-called design, creation and maintenance process, where the generic HBO skills are important in each stage. This concerns the competencies of (1) Initiating and controlling, (2) Designing, (3) Specifying, (4) Realizing, (5) Management and (6) Monitoring, testing and evaluating. The generic HBO competencies are (7) Research, (8) Communication and collaboration and (9) Management and innovation.

The Civil Engineering programme offers a variety of subjects of specialization, related to the focus areas: (1) Spatial planning and design, (2) Water, soil and environment, (3) Infrastructure and mobility (4) Construction and engineering.

## Course offer 2026-2027

During your Civil Engineering studies at HZ, you choose one 30,0 ECTs block worth of credits among the ones offered by the programme. Mixing among different blocks is not advised, as it could lead to overlapping lessons. If you need to complete fewer than 30 credits, you can discuss with your coach which courses to drop.

The first-year curriculum is currently being revised. Once this is completed, I will add the first-year course offer to this document.

## Timeline of Civil Engineering courses and tests

Under Dutch law, every student is entitled to re-sit each test once per year. It is crucially important that you do not schedule your homeward travel home before the re-sit opportunity. Test dates are usually finalised three to four weeks in advance. Test weeks, however, are already known now. The full year plan can be found [here](#).

- Introduction week fall semester: from Monday, August 24<sup>th</sup> 2026.
- Start classes fall semester: from Monday, August 31<sup>st</sup> 2026.
- Christmas break: expect your last classes on December, 18<sup>th</sup> 2026 and the first on January 4<sup>th</sup> 2027.
- End of fall semester: Friday, January 29<sup>th</sup> 2027
- Introduction day spring semester: Monday, February 1<sup>st</sup> 2027
- Start classes spring semester: Monday, February 1<sup>st</sup> 2027
- End of spring semester: Friday, July 2<sup>nd</sup> 2027

# COURSE OFFER CIVIL ENGINEERING 2026/2027 - FALL SEMESTER

Study Year	Block	Course code	Course name	ECs	
1	Block 1	CU26000V3	Introduction to Civil Engineering - Project & Professional Skills	7.5	30.0
		CU79090V2	Construction Materials 1	2.5	
		CU20600V2	Fluid Mechanics 1	2.5	
		CU20598V2	Mathematics & Physics	2.5	
	Block 2	CU20603V4	Introduction to Civil Engineering - Project & Professional Skills 2	7.5	
		CU20604V2	Fluid Mechanics 2	2.5	
		CU79091V1	Construction Materials 2	2.5	
		CU20602V1	Mathematics 1	2.5	
	Block 1+2	Optional	HZ Explore	2.5	
	Block 1+2	Optional	Dutch Culture & Language	2.5	
2	Block 1	CU23856	Transport Infrastructure 1	2.5	30.0
		CU23857	Structural Engineering 1	2.5	
		CU23875	Environmental Engineering Foundations 1	2.5	
		CU23859	Foundations 1	2.5	

		CU206001	HZ Personality CE 1	1.25	
		CU23860V2	Inland Infrastructure Development – Project & Professional Skills 5	3.75	
	Block 2	CU23861	Transport Infrastructure 2	2.5	
		CU23874	Structural Engineering 2	2.5	
		CU23858	Rural Water Management	2.5	
		CU23876	Foundations 2	2.5	
		CU206002	HZ Personality CE 2	1.25	
		CU23877V3	Inland Infrastructure Development – Project & Professional Skills 6	3.75	
4	Block 1	CU79085V2	Coastal Challenge	10.0	30.0
		CU79086V1 <u>or</u> CU79087V1	Advanced Construction Engineering <u>or</u> Urban Water Management	10.0	
		CU79086V1 <u>or</u> CU79087V1 <u>or</u> CU20700V1 <u>or</u> CU75044V1 ± CU75043V1	Advanced Construction Engineering <u>or</u> Urban Water Management <u>or</u> Advanced Water Technology <u>or</u> Change yes we can ± Making Business Intelligent	10.0	

## COURSE OFFER CIVIL ENGINEERING 2026/2027 – SPRING SEMESTER

Study Year	Block	Course code	Course name	ECs
2	Block 1	CU23878	Coastal Engineering 1	2.5
		CU23879	Structural Engineering 3	2.5
		CU23880	Water Supply and Sanitation	2.5
		CU23881	Project Management 1	2.5
		CU206003	HZ Personality CE 3	1.25
		CU23882V2	Coastal Zone Development – Project & Professional Skills 7	3.75
	Block 2	CU23883	Coastal Engineering 2	2.5
		CU79094V1	Applied Mechanics 3	2.5
		CU23885	Dredging and Ecology	2.5
		CU23886V1	Project Management 2	2.5
		CU206004	HZ Personality CE 4	1.25
		CU23887V3	Coastal Zone Development – Project & Professional Skills 8	3.75
				30.0

## Course descriptions

- For more detailed information on the Water management programme click [here](#). Choose English in the right upper corner, select the academic year and programme (see screen shot below).

The screenshot shows the 'HZ Course and Examination Regulations' page. At the top, it says '1 documents' and 'HZ Course and Examination Regulations (CER's) and Implementation Regulations (IR's) for degree programmes.' Below this are five filter buttons: 'All CER's and IR's' (highlighted with a blue border), 'OER-en van HZ', 'UR-en van opleidingen Business, Vitality & Hospitality', 'UR-en van opleidingen Health, Education & Wellbeing', and 'UR-en van opleidingen Technology, Water & Environment'. Underneath the filters are four dropdown menus: '2025-2026', 'Bachelor of Science', 'Watermanagement', and 'English'. A 'Document' section below shows a link for 'IR B FT Water Management' with the breadcrumb '34074 • Bachelor of Science • Watermanagement • English'.

If the regulations for next academic year have not yet been published, please consult the regulations of the current academic year.

## Courses especially for Exchange Students:

- 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.
- CU HZ Explore (2,5 ECTS)**  
Within HZ Explore you will develop the skills that you find important for your personal and professional development. You will shape your own program and reflect on the approach you have chosen and the insights obtained. Being able to self-direct your own development is a crucial skill that the future field of work and rapidly changing society demands from you. Moreover, HZ finds it important that you have the opportunity to work on your personal goals, so you can personalize your study program. In this way we want to give you the opportunity to gain experiences, so that you can learn about your identity, can form new relationships with others and to learn about ways you would like to add value to the world. You can also work with HZ Personality on skills that will allow you to distinguish yourself in the labor market.

## Your contact persons at HZ

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