

Work Placements and Graduation Projects

- > Logistics
- > Built Environment



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Breda
University
OF APPLIED SCIENCES



Logistics en Built Environment

This brochure gives you more information about the possibilities of having work placements and/or graduation projects carried out by students from the Logistics and Built Environment degree programmes. More cooperation possibilities with Breda University of Applied Sciences can be found on the last page of this brochure under the heading of Shaping Society.

We offer three professional bachelor's programmes in the disciplines of Logistics and Built Environment:

- > **Logistics Management** (Dutch- and English-taught)
- > **Logistics Engineering** (Dutch- and English-taught)
- > **Built Environment** (Dutch- and English-taught)

Good to know

Students of Logistics Management focus more on the economic aspects of logistics. Students of Logistics Engineering apply greater focus to the technical aspects. The students of the Dutch-taught programme of Built Environment specialise in Mobiliteit (Mobility), Ruimtelijke ordening en planologie (Spatial Planning), or Urban Design. International Spatial Development is the central theme of the English-taught version of Built Environment.

How do our students learn?

The industry requires independent professionals with the right competencies. That is why our education has designed its education programmes based on three guiding principles:

- > **Action learning:** students design their own course of study, thus developing their talents as well as their ambitions.
- > **Practice-oriented learning:** theory is put to practical use in assignments taken from the professional world. We are committed to constantly aligning our education programmes with the latest industry developments and needs.
- > **Competency-based learning:** students develop knowledge and skills needed to operate successfully in the world of work. From the first day of lectures, key focus is directed towards the competencies that students need to operate in professional contexts.



Breda University of Applied Sciences
Breda University of Applied Sciences
(formerly NHTV Breda) is an international higher education institute in Breda, catering for some 7,700 Dutch and foreign students from about 60 countries. Breda University of Applied Sciences offers professional as well as academic bachelor's and master's degree programmes in the fields of:

- > Games
- > Media
- > Hotel
- > Facility
- > Logistics
- > Built Environment
- > Tourism
- > Leisure & Events



Logistics



Both Logistics degree programmes, the Dutch-taught as well as the English-taught variant, cover a wide range of logistics courses. The Logistics Management programme focuses on economic and financial aspects, whereas the programme of Logistics Engineering places greater emphasis on production and transportation techniques and IT. In both programmes, students are trained to become logistics managers who are capable of ensuring optimal communication and efficient organisation in logistics processes.

In the first year of study, students are introduced to all aspects of logistics. In the subsequent years, students specialise in one or more logistics themes, which can be continued throughout the work placement and graduation periods. These specific themes are: stock management, production logistics, transport, warehousing, healthcare logistics, and event logistics. Students may choose to specialise in one particular theme or broaden their knowledge by studying several themes.

Developing skills – in the areas of communication, management and research – is a key ingredient throughout the course of study. Additional subjects dealt with extensively include business administration, planning, process management, project management, goods and passenger transport, IT, and marketing.

Placement and graduation period

Students complete two individual placements, each lasting fourteen weeks, in the third year of study. During these placements, the student carries out an assignment independently. Research assumes a central role in the graduation internship, which takes place in the fourth year and lasts seventeen weeks. Students attending an English-taught programme will be required to complete their work placements and graduation project at an internationally oriented company. Examples of work placement and graduation assignments can be found in the margin on the right. Student and host company may also formulate a proposal together.

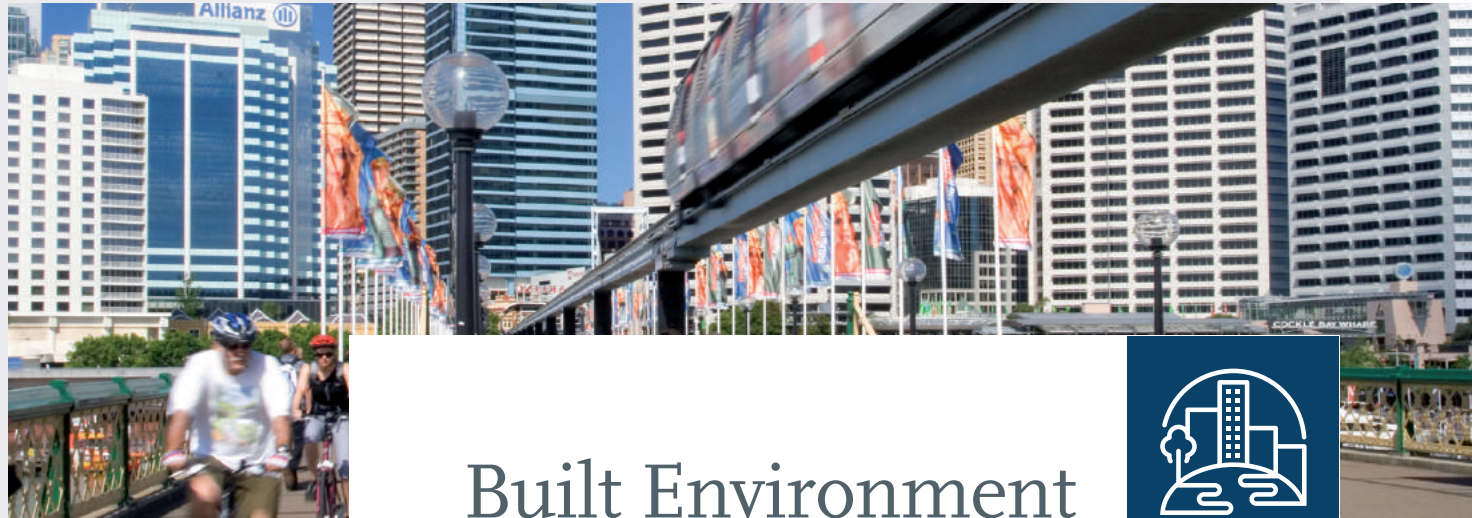


EXAMPLES OF WORK PLACEMENT ASSIGNMENTS

- > Goods flow management
- > Information flow management
- > Improving customer service
- > Improving stock management
- > Designing or redesigning warehouse layouts
- > Setting up packaging management systems
- > Information management
- > Vehicle fleet audit
- > Setting up a vendor rating system
- > Reverse logistics
- > Patients' logistics
- > Events production planning

EXAMPLES OF GRADUATION ASSIGNMENTS

- > Analysis of a company's logistics processes
- > Research into changes in modes of transport
- > Feasibility study into applications of transport management systems
- > Feasibility study into the introduction of new control concepts
- > Setting up an activity-based costing system
- > Developing a procurement plan
- > Vendor management
- > European distribution concepts
- > Supply chain analysis / design



Built Environment

The discipline of Built Environment addresses issues that the world is facing today, and gives shape and direction to the future of the built environment, from city to country level. Current themes include liveable residential and living environments, sustainable accessibility, and mobility. The emergence of ‘smart cities’, both nationally and internationally, underlines the importance of continued integrated management and breaking down compartmentalised structures in the industry.

Education in the first year of study for students of the Dutch-taught programme in Built Environment involves a broad, integral basis. Within this broad basis, students opt for a specific differentiation area: Mobiliteit (Mobility), Ruimtelijke ordening en planologie (Spatial Planning), or Urban Design.

Mobiliteit

Technology, behaviour and space are among the topics dealt with in the differentiation area of Mobiliteit. Based on research, planning and design, students learn to work on solutions for real industry clients, such as consultancy firms and provincial and local councils. In the end, the student graduates as a traffic manager, mobility manager, or urban manager.

Ruimtelijke ordening en planologie

Societal and technological changes play a crucial role in area development. In this differentiation area, students work on projects in cities, create transition schemes for residential and business areas, or identify new functions for rural areas. Students are taught about financial feasibility, laws and regulations, and interaction with stakeholders. Upon completion of this degree programme, students will take up one of the following specialist roles: urban manager, strategic spatial planner, or area developer.

Urban Design

Students who opt for Urban Design will learn how to design the environment, from cities to landscapes. They do so at different scale levels, from area concepts to land development plans for public space. To achieve this, students carry out design research, both manually and by means of design software programs. The student will become a competent area developer or urban designer.



Built Environment

International Spatial Development

The English-taught differentiation area International Spatial Development is the answer to society's need for more integrated and internationally oriented spatial planning practices. The programme is constructed around six relevant and current themes within the spatial domain. These themes are: Dutch Design, Sustainable Urban Mobility, Planning, Water Management, Transformation, Smart Cities, and Energy. With its distinct international outlook, the degree programme prepares students for careers in an international setting.

Placement and graduation period

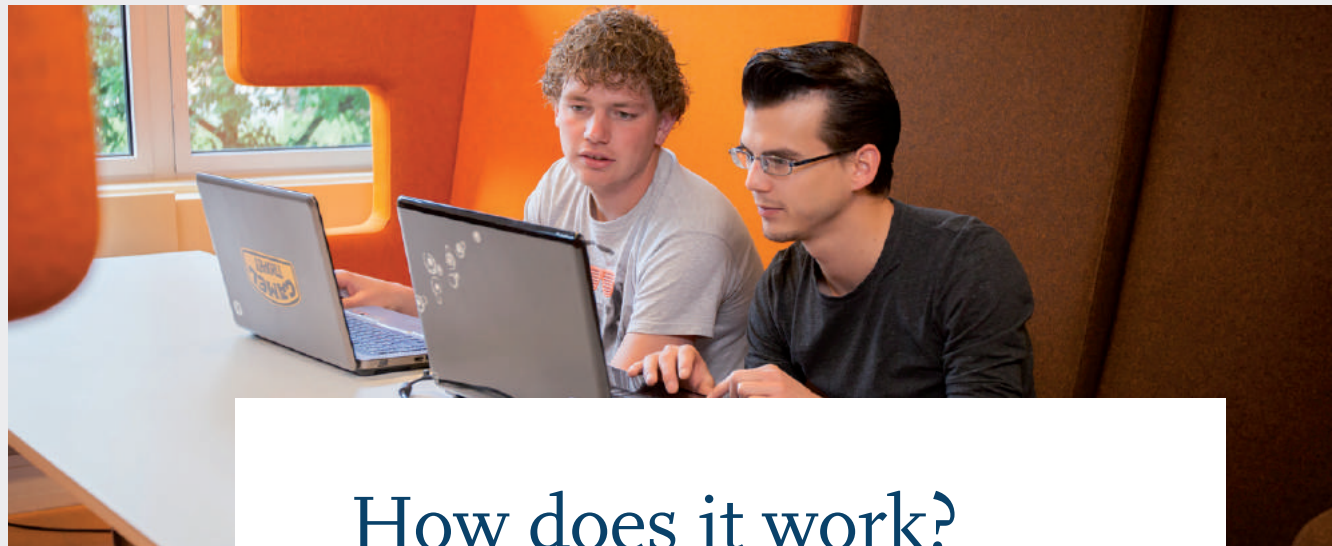
Students complete two individual work placements, each lasting fourteen weeks, in the third year of study. During these placements, the student assists in the everyday activities of the host company and carries out assignments in the areas of mobility, spatial development, or urban design. Research assumes a central role in the graduation internship, which takes place in the fourth year and lasts seventeen weeks. Students attending an English-taught programme will be required to complete their work placements and graduation project at an English-speaking company in an international setting (e.g. participation in European projects).

Examples of work placement and graduation assignments can be found in the margin on the right.

EXAMPLES OF WORK PLACEMENT AND GRADUATION ASSIGNMENTS:

- > Research into the multiple use of railway station locations
- > Restructuring zoning plans
- > Research into inner-city retail trade
- > Research into traffic safety in city and motorway tunnels in the Netherlands
- > Satisfaction survey among users of bicycle routes
- > Study into the use of road / motorway traffic signalling
- > EU-funded cooperation projects
- > Residential care projects for the elderly: housing corporation policy on independent living with care facilities
- > Redevelopment of industrial estates
- > Effects of parking fees





How does it work?

If you think your organisation could benefit from the assistance of a student, you may consider:

- > offering a placement assignment to a third-year student: students complete two individual work placements (each lasting fourteen weeks) in their third year;
- > offering a graduation project to a fourth-year student: the graduation project concludes the degree programme and lasts seventeen weeks.

What do our students have to offer?

When one of our students carries out an assignment or project for your organisation, you may expect this student:

- > to be interested in and familiar with your line of business;
- > to possess detailed and topical knowledge, relevant to carrying out the assignment;
- > to be able to work in a flexible, creative, independent, communicative and solution-oriented manner;
- > to have adequate knowledge of the English language.

What is the role of your organisation?

You, as a host organisation, are expected to formulate the assignment objective. You can work out any ideas regarding the assignment in consultation with the student. Based on the objective you formulate, the student will execute your assignment independently. In the case of a placement or graduation project you will be asked to appoint a supervisor from among your employees. The task of this company supervisor will be coaching and assessing the student.

In the case of a graduation project, the company supervisor will also be invited to attend the student's final presentation.

What is the role of Breda University of Applied Sciences?

The student will be supervised by a supervising lecturer who teaches courses in the degree programme concerned. The role of this supervisor consists of advising the student and the host organisation about the specific details of the placement and the placement assignment, visiting the organisation, and solving any problems that may occur. The supervising lecturer will also assess the student in terms of the process. In addition, a presentation supervisor will be assigned whose role it is to assess the student's product during the final presentation.

Offering assignments

As a potential client, you can contact us if you wish to make use of our expertise, for instance, to solve or identify a problem. Our degree programme staff will determine the assignment details in consultation with the client. In principle, students themselves are responsible for finding a placement or graduation position. Industry clients may also offer a placement position to us. The placement coordinator will assess these placement proposals and communicate them to the students.

Workday activities and assignment

The assignment details will be defined by consultation between the student, the host company, and the degree programme staff. Any changes to the workday activities and assignment can only be made by mutual agreement.



General Provisions

Confidential information

Both during and after the assignment or project, the student will be obliged to observe secrecy in respect of any information of a confidential nature. Placement or graduation reports will not be published if the host company has submitted a written request to this effect, explaining that the student's report contains confidential information.

Liability and insurance

The student will be obliged to take out adequate insurance coverage against third-party liability (referred to as 'WA' insurance in the Netherlands), as well as insurance coverage with regard to travelling and accommodation. The student's own insurance policies will always take precedence over the insurance schemes that Breda University of Applied Sciences has taken out for its students. Breda University of Applied Sciences will not be liable for any damage arising from the cancellation and/or premature termination of a placement.

Costs

A student will receive a placement allowance from the host organisation, which usually amounts to between €300 and €500 euro per month. Apart from that, there are no additional costs involved in a work placement.

Working hours

The student will work an average of forty hours a week, excluding the days or parts of days when the staff of the host company does not work. Depending on the duration of the placement, the student will be entitled to a number of leave days. Any leave requests should be submitted to and discussed with the host company. During the placement and graduation periods, the degree programme staff will organise one or several school return days for students. Students are obliged to attend these return days.





Shaping Society

Cooperation with industry partners is essential to the degree programmes of Logistics and Built Environment in order to stay up to speed with the latest developments. What's happening in your line of business, what problems are you facing, and what questions do you have? We would be happy to offer you support and to work on projects and research together with you. Apart from work placements and graduation assignments, we offer other possibilities for cooperation.

Second-year projects

In the second year of study, students work in groups on practical assignments. These assignments involve students solving practical problems, while at the same time they learn to harmonise different stakeholder interests and requirements. If you have an interesting assignment, please let us know.

Guest lectures and field trips

Industry input is essential in education. We would like to invite you to present your knowledge and skills to our students in a guest lecture. Demonstrating real-life cases to students gives them an opportunity to test their knowledge against practice. The study programmes of the first and second years contain field trips to domestic as well as foreign destinations. For our students, these trips are an excellent opportunity to get acquainted with your company or organisation.

Research

The degree programmes of Logistics and Built Environment of Breda University of Applied Sciences share existing knowledge and develop new knowledge by giving direction to

current issues. Research and projects are carried out within eight areas of expertise. These areas of expertise are:

- > Capacity Management
- > Control Towers & Synchromodality
- > Last Mile Logistics
- > Close-Loop Supply Chain
- > Transition to Smart Mobility
- > Mobility Management
- > Urban Intelligence
- > Creative City Marketing

In this process, our experts operate on the interface of research and application in professional practice. This means that, together with industry partners, knowledge is translated into products, services or new business initiatives which, in turn, contribute to the improvement of education.

Knowledge development in the field of Urban Intelligence is supported by Paul van de Coevering of the professorship of Urban Intelligence

More information about our knowledge development initiatives can be found at

www.wowshapingsociety.nl



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