

Breda University of Applied Sciences

Academy: ABEL

Program: Logistics Management / Logistics Engineering

Address:

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The Netherlands

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1. Important dates

25 August, 2025	Introduction week
1 September, 2025	Start of Semester 1 courses
13 October – 17 October, 2025	Autumn break
22 December – 4 January, 2026	Winter break
30 January, 2026	End of Minor
2 February, 2026	Start of Semester 2 courses
16 February – 20 February, 2026	Spring break
27 April – 1 May, 2026	May holiday
3 July, 2026	Last day of Semester 2 courses and re-sits

2. Programme

Code	Title	ECTS	Semester
Year 1 Semester 1			
BLGE1.BOSCM-01	Basics of Supply chain management	5	1
BLGE1.ESCM-01	Experience Supply chain management	10	1
BLGE1.MODPL-01	Modelling and planning	5	1
Year 1 Semester 2			
BLGE1.MLB-01	Material Logistics – Basics	5	2
BLGE1.MLII-01	Material Logistics – I&I	10	2
BLGE1.SLBI-02	Service Logistics – Basics & Innovation	5	2
Year 2 Semester 1			
BLGE2.INTOM-01	Operations Management	5	1
	Information Management	5	1
	Production Project	10	1
BLGE2.CBSC-01	Cross Border Supply Chains	5	1
Year 2 Semester 2			
BLGE2.RSTB-01	Running sustainable Businesses	5	2
	Advanced Supply Chain Management	5	2

	Fundamentals of DS & AI for logistics	5	2
BLGE2.ENT-01	Entrepreneurship for logistics	5	2
	Connection to Industry 3A	5	2
	Connection to Industry 3B	5	2
BLGE2.SCRD-01	Project: Supply Chain Redesign	10	2

Year 4 Semester 1			
BCW.25MINOR	Minor: Crowd Safety in Hubs and Events	30	1
BCS.25MINOR	Minor: Change Management: How to successfully Drive Change in Organisations	30	1
BUR.25MINOR	Minor: A Supply Chain Challenge in performance, processes & partnership	30	1
BUR.25MINOR	Minor: International urban redevelopment: Towards Sustainable Cities and Mobility	30	1

3 Course Descriptions

For complete course descriptions, please refer to the Study Component Catalogue Logistics Engineering / Logistics Management. The 2025-2026 catalogue will be available in June. The 2024-2025 catalogue can be used to reference prior to that time.

Descriptions of the Minors (30 ECTS modules) offered in the first (fall) semester of the 2025-2026 academic year can be found in the following pages.

4 ABEL Minors 2025-2026 academic year

Crowd Safety in Hubs & Events	
Video: Minor: Crowd Safety in Hubs & Events Breda University of Applied Sciences	
Duration of the minor (start and end dates)	Monday 1 September 2025 – Friday 30 January 2026
Language of instruction	English
Intake / selection for BUas students	<ul style="list-style-type: none"> - Minimum of C1 level in English - Having spatial awareness - Affinity with numbers - Propaedeutic certificate obtained
Admission requirements for external students	<ul style="list-style-type: none"> - Minimum of C1 level in English - Having spatial awareness - Affinity with numbers - Propaedeutic certificate obtained
Short description of the minor <p>Everyone wants to feel secure at a festival, a football match, or in a bustling shopping street. With global trends and developments, effective crowd management is crucial. Learn how by closely collaborating with industry partners in the Crowd Safety in Hubs & Events minor.</p> <p>What is it all about? The Crowd Safety minor is all about the prevention of accidents and incidents in crowded places. Just think of city centres and parks, railway stations, festivals, but also events, such as Pride Amsterdam, carnival or the Tilburg Fun Fair. The main purpose is to prevent unsafe situations by defining, preparing, researching, analysing and improving the 'place to be'</p> <p>Working together with key players in the field This minor gives you the opportunity to get into contact with key players in the field of safety, such as the Event Safety Institute and GK Still International, who are unparalleled in their knowledge of crowd safety. Dedicated coaches and experts will guide you through this minor. All relevant safety aspects of highly crowded areas will be discussed, and it is up to you to apply all the knowledge gathered in real-life cases. The minor provides a combination of theory and practical experience by means of lectures and challenging international case studies and field trips.</p> <p>What's in it for me? Nowadays, a lot of attention has already been paid in studies to create experiences. In this minor you will learn how to manage them and to keep them safe! That is a definite value added! Not only if you study Built Environment or Logistics, but also if you want to work in the event sector, the tourism industry, the hotel world or the facility services industry, this minor is a good choice.</p> <p>Together we contribute to a safer world!</p>	
Learning goals	<p>At the end of this minor, you will have:</p> <ul style="list-style-type: none"> • a clear understanding of important concepts of Crowd Management and application of crowd modelling; • the ability to discuss application of crowd safety management (with concepts such as planning, licensing and operations) and its relevance to the wider legal, organisational, regulatory and risk management framework; • the ability to discuss appropriate risk assessment methodologies for crowd safety, how they impact on legislation and guidance, and/or what areas of crowd safety need improvement; • the ability to recognise group behaviour and understand causality; • a clear understanding of important concepts of Crowd Management and application of crowd modelling to the chosen event/venue; • the ability to discuss application of crowd safety management (with concepts such as planning, licensing and operations) and its relevance to the wider legal, regulatory and risk management framework;

	<ul style="list-style-type: none"> • a clear understanding of important concepts within event logistics and application of logistics analysis, process management and capacity calculation; • a clear understanding of important concepts within mobility and urban design by applying and analysing integral alignment, design and planning processes and urban and spatial design; • the ability to discuss the application of crowd simulations by analysing crowd simulations, applying measuring and monitoring tools, queuing theories and crowd simulations; • the ability to discuss application of stakeholder analysis, procedures and permits, and laws and regulations; • the ability to analyse an event or venue, including four core modelling elements; • the ability to demonstrate an understanding of core principles and applications of the tools. Providing some details of use of models, information they provide, and how they can assist you with risk analysis of crowd dynamics; • the ability to use clear graphics; • the ability to communicate the information about the tools to users and/or team, with the goal to communicate with the audience.
Competencies	<p>This minor provides you with a wide range of competencies. You will:</p> <ul style="list-style-type: none"> • develop skills to prevent accidents from happening • develop knowledge about practical tools that enables you to assess and analyse risks in crowded areas • develop a thorough understanding of dynamics behind crowds • develop modelling and communication skills • develop more affinity with the topic • develop your calculating skills • develop your adaptability to change (in this dynamic world) • develop an open mind • be ready for a practical challenge
Topics	<p>The overall goal of this minor is to learn all about the prevention of accidents and incidents in crowded places. This encompasses the following topics:</p> <ul style="list-style-type: none"> • crowd management • crowd control • risk analysis • human and crowd behaviour • stakeholder (management) • measuring and monitoring • modelling • media and communication • logistics and mobility • laws and regulations • crowd simulations
Structure of the minor	<ul style="list-style-type: none"> • The minor consists of two parts. • You will focus on the fundamentals and the theory of crowd science and related topics, such as event logistics, mobility management and crowd simulations. You will join over 40 expert sessions with a specific related topic and you will experience crowds during a lot of field trips. • You will discuss the theory and a lot of practical situations with state-of-the-art experts from the industry. Group work and independent study is necessary and possible due to the use of digital portals with valuable and extensive information. The focus in this part is on group work. In those cases, you will apply the theory to a real-life situation. The groups will consist of students with various backgrounds.

	<ul style="list-style-type: none"> At the same time, you will focus on preparing and presenting a theoretical and practical end product.
Teaching methods	<p>The minor is developed as a learning community. You will work with real-life cases, from inside and outside the Netherlands. The learning community will be achieved via the use and involvement of:</p> <ul style="list-style-type: none"> theoretical sessions working sessions real-life cases field trips an international field trip
Assessment	<p>Assessment will consist of:</p> <ul style="list-style-type: none"> group products: 50% individual products: 50% <p>Besides, one of these items must score a sufficiency:</p> <ul style="list-style-type: none"> state-of-the-art case studies, (S/I) a peer evaluation (S/I) your presence during field trips (S/I)
International context	<p>International partners and field trips are involved in this minor. We will also add international case studies to the minor. You can bring an international case study yourself as well.</p>
Required study material	<ul style="list-style-type: none"> <i>Applied Crowd Science</i>, Prof Keith Still <i>An Introduction to Crowd Science</i>, Prof Keith Still <i>Event Logistics</i>, M. van Rijn
Costs	<p>Additional costs for this minor will be approx. € 75 for literature and expenses during field trips. Aside from these costs you may take part in an international field trip; the additional costs for this will vary, but will be an estimated € 400.</p>
Minimum number of participants	15
Maximum number of participants	35
Location	Breda University of Applied Sciences, Mgr. Hopmansstraat 2, 4817 JS Breda
Domain offering the minor	Academy for Built Environment & Logistics (ABEL)
Minor coordinator (name + e-mail address)	Justin van de Pas (pas.j@buas.nl)

Change Management: How to Successfully Drive Change in Organisations	
Video: Minor: Change Management Breda University of Applied Sciences	
Duration of the minor (start and end dates)	Monday 1 September 2025 – Friday 30 January 2026
Language of instruction	English
Intake / selection for BUas students	Propaedeutic certificate obtained
Admission requirements for external students	Propaedeutic certificate obtained
Short description of the minor	
<p>Change is the only constant factor in our lives. The minor in Change Management introduces you to the challenging and fun field of change from multiple perspectives. It helps you develop your change competencies, equipping you to better handle change in future workplace settings.</p> <p>Nowadays change is the only constant factor in people's professional (and personal) lives. To become a successful professional, being able to deal with change is of the highest importance. Though, most change initiatives fail or do not produce the desired outcomes.</p> <p>What is it all about?</p> <p>This minor introduces you to the challenging and fun field of change from multiple perspectives. It offers you an opportunity to develop your change competences, so you are better equipped to deal with change in future work settings.</p> <p>What's in it for me?</p> <p>During this minor you will develop the competence to successfully plan, execute, and evaluate organisational change. You will develop this competence by participating in what we call a 'change experience': an 18-week project during which you work with four or five fellow students on a real-life case of an organisation, city, or industry that is on the eve of a major change. In that project your goal is to make real impact by making stakeholders enthusiastic for your change plans, to the extent that they want to carry your plans forward.</p>	
Learning goals	<p>Upon completing the minor, you will be able to:</p> <ul style="list-style-type: none"> • make an analysis of external developments which can be of influence on the organisation. • set up a business model. • formulate strategic options based on the analyses. • analyse your own organisation in terms of strengths and weaknesses. • formulate strategic objectives in such a way that operational objectives can be derived from them. • diagnose a complex situation with appropriate diagnosis models. • provide insight into how the current situation is maintained by various factors. • identify the core of the change issue. • properly substantiate the choice for a specific change strategy, considering the nature of the issue, the change history of the organisation, the change agents and the energy and resistance of all those involved. • translate the chosen change strategy in an intervention plan with a mix of interventions, aimed at the effective and efficient implementation of the change (including a training plan). • develop a communication plan which fits the change strategy. • determine the feasibility of the intended change (financial, legal and organisational). • write a resistance handling plan.
Competencies	<p>This minor provides you with a range of competencies. You will:</p> <ul style="list-style-type: none"> • Be able to successfully plan, execute, and evaluate organisational change. • Gain research skills.

	<ul style="list-style-type: none"> • Gain communication skills. • Gain entrepreneurial skills. • Gain development-oriented skills. • Gain innovative skills. • Gain organising skills.
Topics	<p>The overall goal of this minor is to learn all about how to deal with change in future work settings. This encompasses the following topics:</p> <ul style="list-style-type: none"> • Organisational behaviour • Change Management • Project Management • Business Development • Strategy & Innovation
Structure of the minor	<p>You will participate in various workshops and meetings which are organised around five themes: Organisational behaviour, Change Management, Project Management, Business Development, Strategy & Innovation. These topics are of great importance for a successful change implementation. The five topics combined offer the right combination of practical and theoretical knowledge that will help you during the change projects.</p> <p>Change (often) starts with the process of strategy formation. Based on an analysis of the environment and of your own organisation, you establish a desired vision of the future. You can use the familiar SWOT, but in a broader perspective, and you get acquainted with the Canvas Business Model. This business model describes the rationale of how an organisation creates, delivers, and retains value.</p> <p>The change management profession is central to the minor. How do you professionally shape the change process? The reason for change often arises from the strategic plan of the organisation. What is the desired change? What change strategy gives you the best chance of realising the change? What interventions ensure that this happens? In addition, we look at forms of resistance and how you can distinguish them and what effective strategies are for dealing with them.</p> <p>During the minor you will also work on personal competences and work on an individual assignment. It is your job to apply the knowledge of the workshops and the individual assignments to your change experience.</p>
Teaching methods	<p>During this minor different teaching methods will be implemented:</p> <ul style="list-style-type: none"> • Workshops • Lectures • Discussion groups • Learning communities • Project work
Assessment	<p>The assessment will consist of an individual assignment, a group report, a group presentation and an individual process.</p>
International context	<p>If possible, we will look at the change processes within an international context. This will mainly depend on the input of students.</p>
Required study material	<p>Kotter, J. P. (2012). <i>Leading change</i>. Harvard Business School Publishing. ISBN: 9781422186435</p>
Costs	<p>Solely extra costs for mandatory reading materials.</p>
Minimum number of participants	<p>15</p>
Maximum number of participants	<p>50</p>
Location	<p>Breda University of Applied Sciences, Mgr. Hopmansstraat 2, 4817 JS Breda</p>
Domain offering the minor	<p>Academy for Built Environment and Logistics</p>
Minor coordinator (name + e-mail address)	<p>Karolien Kampstra (kampstra.k@buas.nl)</p>

A Supply Chain Challenge in performance, processes & partnership	
Video: Minor: A Supply Chain Challenge in performance, processes & partnership Breda University (AS)	
Duration of the minor (start and end dates)	Monday 1 September 2025 – Friday 30 January 2026
Language of instruction	Overall (general) information in English Project team, presentation & reports in Dutch or English
Intake / selection for BUas students	<ul style="list-style-type: none"> Two to three years of previous knowledge of logistics or supply chain management Propaedeutic certificate obtained
Admission requirements for external students	<ul style="list-style-type: none"> Two to three years of previous knowledge of logistics or supply chain management Propaedeutic certificate obtained
Short description of the minor	
<p>Every Dutch person has, on average, 1.3 bicycles. During the corona pandemic, there was a hiccup in the supply chain of this important industry. Will you come up with solutions to make things run smoothly again? You will work on it in the minor A supply chain challenge in performance, processes & partnership.</p> <p>Here in the Netherlands, we live in a real cycling country. There are almost 23 million bicycles in this country. This means that every Dutch person owns 1.3 bicycles, which is unique in the world. During the corona years, there was a disruption in the supply chain of the bicycle industry. Resulting in late and faulty deliveries, increasing costs and a bullwhip effect on inventory.</p> <p>During this minor, we will look at this supply chain from different actors and perspectives. These include suppliers of(spare) parts, constructors of bicycle frames, manufacturers of assembly parts, wholesalers and e-commerce. We challenge you to make all these actors work together optimally and come up with a winning strategy. Can you use innovative solutions to make this supply chain run smoothly again? Will you be the one to cross the finishing line first?</p> <p>The start of this race is on 1 September 2025. Make sure you are in the decisive breakaway!</p> <p>What is it all about?</p> <p>In this minor theory and practice come together. As a team of students, you will be matched with a company in the industry for which you come up with innovative ideas to strengthen the company's current supply chain and to be able to meet future challenges. You will work with your fellow students and the company in a learning community challenging you to think outside the box and to be flexible and proactive. You will have to use all your creativity and imagination to find a suitable solution for your client.</p> <p>What is in it for me?</p> <p>During this minor you will complete an extraordinary educational and practical assignment for an interesting and innovative company. You will learn all about the optimisation and sustainability of the end-to-end supply chain. This knowledge will future-proof you for a job after graduation.</p>	
Learning goals	<p>At the end of this minor, you will be able to:</p> <ul style="list-style-type: none"> apply knowledge and theories about project management, change management, and supply chain management. review a supply chain-related problem or challenge of a company or organisation within the broader context of that company or organisation (strategic/tactical/operational). outline the importance/value of finding a solution for a problem/challenge. establish the detailed objectives and a step-by-step approach for achieving a possible solution.

	<ul style="list-style-type: none"> • create the business case that justifies working on this solution (iterative process). • develop a design for the solution by combining different elements of supply chain management into a new pattern/structure. • demonstrate the value of a created solution in a suitable context. • validate the value of a created solution in the broader context of supply chain thinking within the company/organisation • present/sell the solution to create buy-in, persuading all stakeholders within the organisation.
Competencies	<p>Researching, examining and experiencing new technologies and tools to define, design, test, and implement solutions to real-life problems or challenges that companies in the industry have in optimising their respective supply chains.</p> <p>Interviewing and presentation/pitching skills will be (further) developed. Real-life project management will be trained and applied to deliver good and expected outcomes for all stakeholders involved. Core treats from change management will be practised ensuring that teams leave sustainable improvements in place.</p>
Topics	<p>The overall goal of this minor is learning how to innovate within existing supply chains. This encompasses the following topics:</p> <ul style="list-style-type: none"> • Strategy & Innovation • Integrated Technology • Business Implementation • Presentation and pitching skills • Online/offline information gathering, sharing and analysis • Business Intelligence • Stakeholder/Risk/Project/Programme/Change/Time Management • Business Model Canvas • Consultancy • Personal and Professional Development
Structure of the minor	<p>The structure of this minor varies each year. Therefore, we would like to refer to the student handbook for a more detailed overview of the structure of this minor.</p> <p>The following applies to the minor each year: As a team of students, you will be matched with a company in the industry for which you come up with innovative ideas to strengthen the company's current supply chain and to be able to meet future challenges. What you ultimately deliver as a team is:</p> <ul style="list-style-type: none"> • A background report with all research details and a presentation of it. • Design and demonstration of a possible solution. • Each student writes a paper - on an individual basis - to be published in a supply chain magazine. <p>Depending on the project team, it can be in Dutch or English.</p>
Teaching methods:	<p>In joint workshops and at meetings, themes will be discussed that are relevant for all teams, such as Project Management, Stakeholder Management, Risk Management, Strategy & Innovation, Design Science, Integrated Business Technology, Business Implementation, and Presentation and Pitching Skills. Furthermore, you are offered guest lectures, Q&As and feedback sessions. In addition, you work as a team in your client's organisation to develop a possible solution to the problem or challenge the company is faced with. In this design,</p>

	improvement or change process, you use the knowledge gained in the workshops and at meetings, as well as the knowledge from previous academic years.
Assessment	The team coach assesses the team's performance based on the three deliverables. Grades can be: 10 (excellent), 9 or 8 (good), 7 or 6 (sufficient) or 5 or lower (insufficient). To pass the minor, the average must be 5.5 or higher. Each deliverable can be resubmitted within two weeks after feedback in consultation with the team coach. All products to be delivered must be submitted digitally.
International context	Supply chains operate mostly worldwide, which is why this minor has an international scope. For practical reasons, the projects that students work on are carried out in the Netherlands, but for internationally operating companies.
Required study material	Douglas M. Lambert. <i>Supply Chain Management: Processes, Partnerships, Performance</i> . ISBN: 978-0-9759949-9-3
Costs	The only extra costs for this minor encompass travel expenses between BUAs or home and the company of your assignment.
Minimum number of participants	15
Maximum number of participants	50
Location	Breda University of Applied Sciences
Domain offering the minor	Academy for Built Environment and Logistics (ABEL) – Logistics Engineering/Logistics Management
Minor coordinator (name + e-mail address)	Luuk Koopman (Koopman.l@buas.nl) and Rutger Thielen (Thielen.r@buas.nl)

International Urban Redevelopment: Towards Sustainable Cities and Mobility	
Video: Minor: Urban Redevelopment Breda University of Applied Sciences	
Duration of the minor (start and end dates)	Monday 1 September 2025 – Friday 30 January 2026
Language of instruction	English
Intake / selection for BUas students	Propaedeutic certificate obtained
Admission requirements for external students	Propaedeutic certificate obtained
Short description of the minor	
<p>Cities around the world are aiming to reduce their car dependency and unrestricted growth, which needs a new way of thinking about urban areas and mobility. In the minor in International Urban Redevelopment you will work it out and the best team is going to visit the project sponsor.</p> <p>Cities around the world are aiming to reduce their car dependency and unrestricted growth (urban sprawl). The purpose of the minor is to pave the way for a shift towards sustainable mobility and urban culture. This involves tackling issues related to air quality, obesity, the quality of public spaces, social cohesion, etc. However, changing urban structures and citizen behaviour is no easy endeavour: it needs careful and specific interventions to change the way urban areas are laid out and used. It not only involves a shift in spatial and transportation policies, but also a new way of thinking about cities, people and mobility. That is Retrofitting in a nutshell. This minor programme aims to spur this paradigm shift by using your expertise and perspectives. Ready to inspire?</p> <p>What is it all about?</p> <p>In this minor you will work in a studio with a team of four to six students on a challenging international case study in which you combat car dependence and urban sprawl. Our network includes metropolitan regions around the world and we work on new case study areas each year. In previous years we worked in: Calgary, Vancouver and Nanaimo (Canada), Seattle and Los Angeles (USA) and Bilbao (Spain).</p> <p>You will conduct an in-depth analysis of the challenges relating to urban sprawl and car dependency in a specific case study area. Based on this analysis, you formulate a vision, develop a concept and create detailed designs, in which everything is interrelated and reinforces each other:</p> <ul style="list-style-type: none"> • hardware (infrastructure, buildings, urban green, facilities, etc.) • software (neighbourhood identity, behavioural campaigns, attitudes, etc.) • orgware (participation, values, inspiration, and the huge potential of local communities) <p>What you ultimately deliver as a multidisciplinary team is:</p> <ul style="list-style-type: none"> • a ten-pager with the unique elements of vision and concept • a poster and (optionally) additional means of visual communication, for example, an interactive web page or a VR application • a background report with all the details <p>The best teams will have the opportunity to visit the project sponsor and present their work to local experts and the community.</p> <p>What's in it for me?</p> <p>After attending this minor, you can pursue a career in urban planning and design or a career in mobility. You will also be able to conduct research within the domain of social sciences. Jobs like this can be found in local or national governments or at design studios.</p>	
Learning goals	<p>At the end of this minor, you will have learned how to:</p> <ul style="list-style-type: none"> • assess the situations in your international case study area with the STEEP and SWOT analysis tools.

	<ul style="list-style-type: none"> • create integrated concepts with hardware, software and orgware interventions for the redevelopment and revitalisation of your case study area which are grounded in theory and are aligned with the results of your SWOT analysis. • create a detailed integrated plan to tackle societal issues related to urban sprawl and car dependency in your case study area. • provide a coherent storyline from the SWOT analysis to concepting and the specific measures. • conduct targeted Urban Guerrilla tactics in practice.
Competencies	<p>This minor provides you with a range of competencies. You will train these competencies throughout the minor, especially in the group work sessions. You will:</p> <ul style="list-style-type: none"> • analyse and conduct research • initiate • specify • design • communicate <p>Additionally, you will be:</p> <ul style="list-style-type: none"> • realising & operating: during the Tactical Urbanism training you will gain hands-on experience in performing real interventions in the street. • managing & gaining an entrepreneurial attitude: you will work as a professional and take the initiative in parts of the project. You will reflect on your own performance.
Topics	<p>The overall goal of this minor is to learn all about the shift towards sustainable mobility and urban culture. This encompasses the following topics:</p> <ul style="list-style-type: none"> • shifting car dependency / active transportation • social cohesion and urban greening • tactical urbanism and placemaking • design thinking and concepting
Structure of the minor	<p>The minor programme consists of three phases.</p> <ul style="list-style-type: none"> • In the first phase (Initiation Phase), you and your team will explore the case study area using the STEEP and SWOT analysis tools. Each team member immerses himself in one of the previously mentioned topics. • In the second phase (Integration Phase), you will work with the results of the teamwork and the individual studies and merge them into one vision for the case study area. Key challenge is to create a vision where the various elements and measures reinforce each other. • In the third phase (Communication Phase), you will focus on communication skills. How are you going to bring the story to the project sponsor and the wider audience? During the minor, the project sponsor will come to Breda to engage in interaction and challenge your concepts. <p>In each phase of the minor, different knowledge modules are provided. In the first phase, the emphasis is on the nature and impact of Hardware, Software and Orgware interventions (HSO). In the second phase, there will be more emphasis on Tactical Urbanism (TU) and your group will execute a real-life Urban Guerrilla action in the street. In the communication phase, the focus will be on visual communication (VIC) to enable you to convey your message to the project sponsor in the best possible way.</p>

Teaching methods	Two days will be allocated for coaching in a studio. During these days we combine interactive feedback to your team with plenary feedback sessions. In addition, your group will plan an official meeting to discuss progress in the team at least once every two weeks. Masterclasses and mini-lectures on the topics above will be provided on the two studio days. The other days are spent on individual work and group work. The language of instruction for the master classes, lectures, and coaching sessions is English.
Assessment	During the minor you will be coached by experts from Breda University of Applied Sciences. You will receive qualitative feedback based on the learning objectives. You also monitor your personal development in assessments. Self-evaluation is important. This is a continuous process in which you reflect on personal performance and situations and developments within your team. To help you with this, all team members also provide feedback on each other's work and actions. The final assessment of your individual contribution and the group product is given in the form of a mark (on a scale of 1 to 10). Both assessments have a weighting of 50% in the final assessment.
International context	This minor is internationally oriented. The students have different international backgrounds and we work together with international partners. As a student you will work on a case study from one of those world cities.
Required study material	This minor requires you to read papers. The lecturers will make a selection of relevant literature, which will be provided. Additionally, you will perform your own literature research.
Costs	No fee required. However, after the minor, the best teams and students will get the opportunity to visit the project sponsor and present their work to local experts and community groups. The elected students have to take travel costs into account. The BUas team and the project sponsor will make arrangements for hosting this visit.
Minimum number of participants	15
Maximum number of participants	50
Location	Breda University of Applied Sciences, Mgr. Hopmansstraat 2, 4817 JS Breda
Domain offering the minor	Built Environment, Academy for Built Environment & Logistics
Minor coordinator (name + e-mail address)	Paul van de Coevering (coevering.p@buas.nl)