Hanze

Minor

Qualification awarded
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Length of the programme
6 months

ECTS credits
30

Level of qualification
Bachelor

Mode
Full-time

Language
Dutch, with parts in English

School
Arts, Design & Built Environment

Locations
Groningen

Minor Entrepreneur in Construction and Infrastructure

Profile of the programme

This minor offers students an opportunity to gain insight into structural engineering, business administration, business economics, organisation and management. Subjects include running one's own business or construction company, acquiring projects within a competitive environment, and preparing, executing, monitoring, managing and adjusting a project. Expertise, a customer-oriented approach, communication and management skills are all crucial in this regard.

Students who successfully complete this minor will also receive the *Commercial Engineering (BT) Construction/Infrastructure* statement upon graduation (BT B&U/INFRA statement). The combination of this statement and the Built Environment degree certificate is recognised by official bodies and institutions such as the Chamber of Commerce and Bouwgarant. They deem this combination equivalent to the contractor's certificate issued by Bouwend Nederland trade organisation.

Learning outcomes

- Describing and assessing the market strategy. *(KOB Entrepreneurship 1: 1.2)*
- Describing construction industry guidelines for and regulations on project tendering *(KOB Entrepreneurship 1: 1.4)*
- Writing and applying a project assessment *(KOB Entrepreneurship 1: 1.6)*
- Identifying and describing the various operational management aspects at project level and organisational level *(KOB Entrepreneurship 2: 2.1)*
- Applying the various aspects of the business plan *(KOB Entrepreneurship 2: 2.1)*
- Calculating and assessing the financial status of a construction company *(KOB Entrepreneurship 2: 2.2)*
- Preparing a profit and loss account, assessing its various aspects and identifying their interrelationships *(KOB Entrepreneurship 2: 2.4)*
- Effective communication (within the construction company and with external parties) *(KOB Entrepreneurship 2: 2.6)*
- Analysing the future project based on a given project description in support of the budgeting process *(KOB Project acquisition: 3.2)*
- Implementing a specific project in a construction project management system *(KOB Project execution: 4.8)* Formulating technical alternatives for a given project *(KOB Project execution: 4.9)*
- Preparing a professional report. *(BE08)* Describing the roles and interests of the various participants in a given tendering procedure *(BE01, BE03)*
- Describing legislation and regulations in relation to project acquisition *(BE03, BE09)*
- Distinguishing the various contracts and general terms and conditions relevant to project execution *(BE03, BE09)*
- Managing the entire price-setting process *(BE01, BE03, BE09)* Describing the various tasks involved in work preparation *(BE03)*
- Preparing a project budget and production schedule *(BE03)* Identifying and applying various payment schemes *(BE03, BE09)*
- Describing the activities after completion (*BE03, BE09*) Preparing a contractor's agreement for the project *(BE04, BE08, BE09)*
- Ensuring that the financial consequences of the expanded order book are reflected in the various financial overviews *(BE04, BE08, BE09)*
- Conducting a detailed variance analysis in the shape of a subsequent calculation and predicting outcomes *(BE04, BE06, BE09)*
- Preparing and elaborating aspects in relation to the work preparation and execution of the production process *(BE04, BE06, BE08, BE09)*
- Preparing and elaborating aspects relevant to the management of the production process *(BE04, BE06, BE08, BE09)*
- Describing the relevant UAV (Uniform Administrative Conditions), RAW (Civil Engineering Rationalisation and Automation) and STABU specification system guidelines for accurate calculation *(BE01, BE03)*
- Describing key factors in the production process *(BE03, BE08, BE09)*
- Describing the various tax laws and other legal provisions in relation to financial management *(BE03, BE09)*
- Conducting an internal analysis of the business's organisation, expertise and services *(BE08, BE09)*
- Preparing a full labour contract, including all specific components and the accompanying detailed elaboration as well as any references to applicable legislation and agreements *(BE08, BE09)*
- Preparing a professional business plan and applying its various aspects (business plan components): SWOT analysis, market analysis and marketing plan, policy plan, design plan, implementation plan and financial plan (*BE08, BE09*)
- Presenting and defending a business plan before an expert committee *(BE08, BE09)*

Programme

Minor Entrepreneur in Construction and Infrastructure	**credits**
Construction Entrepreneurship	30
▯ BVVH25BIOB - Business operations	*5*
▯ BVVH25BIPLAN - Enterprising Businessplan	*15*
▯ BVVH25BIAB - Project acquisition and tender	*5*
▯ BVVH25BIBR - Project execution and monitoring	*5*

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