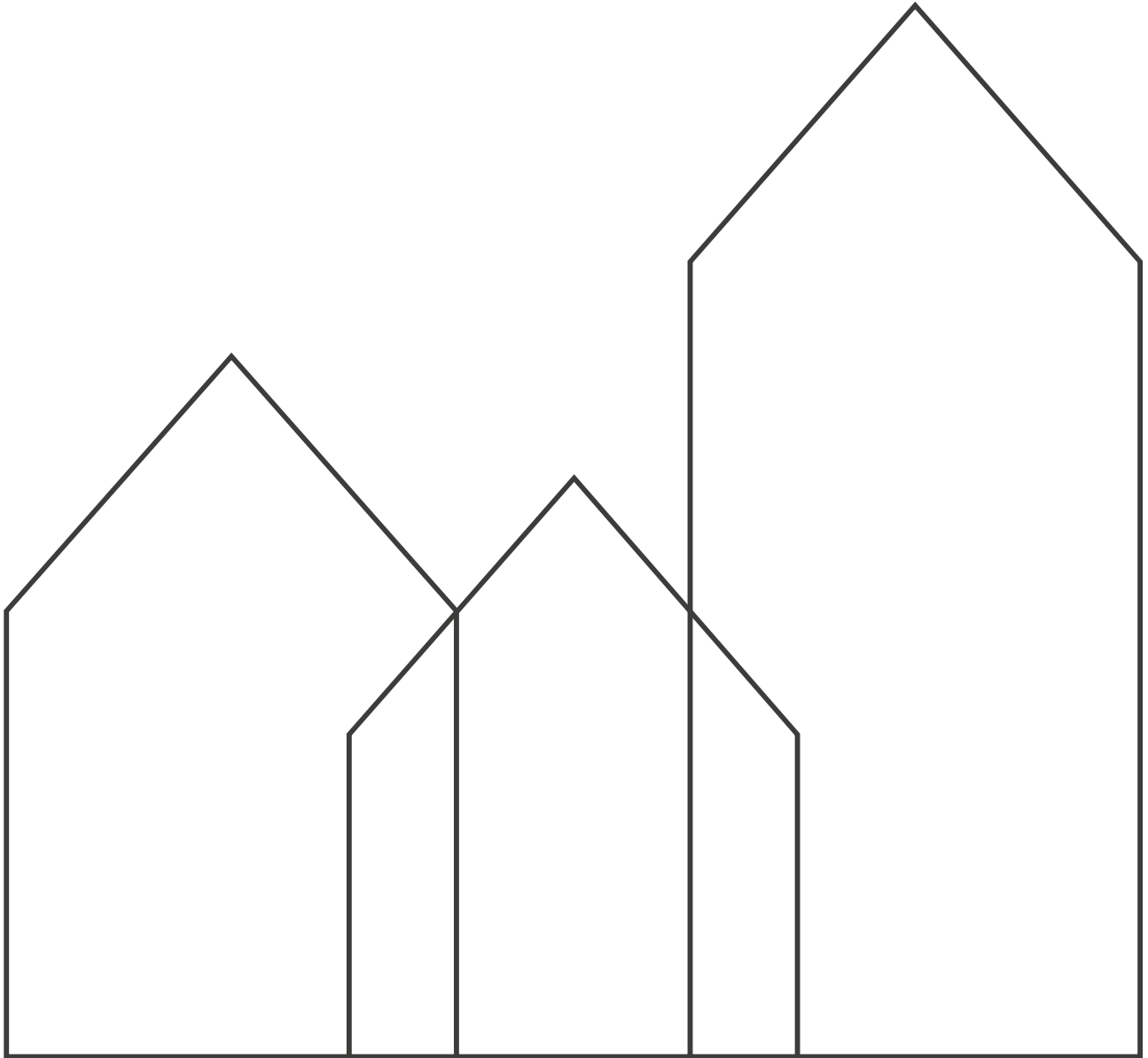


CURRICULUM

Bachelor's Degree Programme in Architectural Technology and Construction Management



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1 Introduction

This curriculum applies to the Bachelor's Degree Programme in Architectural Technology and Construction Management. It describes the overall organization of the programme, and thus constitutes a planning tool for the institution and a programme guide for the student.

The purpose of the curriculum is to:

- translate the overarching legislation into a common curriculum describing the general conditions governing the programmes;
- ensure uniformity across programmes;
- ensure that students have the opportunity to move between different educational institutions with full credit transfer;
- ensure that the curricula bear a common stamp as regards both form and content.

The curriculum is divided into a national part and an institutional part. The national part describes the subject elements common to the Architectural Technology and Construction Management programme wherever in Denmark it is offered. The purpose here is to give the profession a national professional identity. The institutional part contains the descriptors specific to the institution. The institutional part also sets out the regulations applicable only to you as a student on the Architectural Technology and Construction Management programme at VIA University College.



2 Programme structure

The Architectural Technology and Construction Management programme is of 3½ years' duration and is structured around seven semesters totalling 210 ECTS credits made up of a number of national subject elements and elective local programme elements, including the internship and the Bachelor's project.

The national subject elements are common to all providing institutions in Denmark, while the elective local programme elements have been defined by the individual institution itself. Further details of these are set out in the national and institutional parts of the curriculum, respectively.

The programme is also offered in English, the English title being Bachelor of Architectural Technology and Construction Management.

In accordance with the regulations governing the programme (see the Executive Order on Technical and Commercial Academy Profession Degree Programmes and Professional Bachelor's Degree Programmes, and its programme annexe 'Bachelor of Architectural Technology and Construction Management'), the structure of the programme is set out in Figure 1. The Academy Profession Degree Programme in Construction Technology and the option of transferring to it are described in a separate programme annex and curriculum.

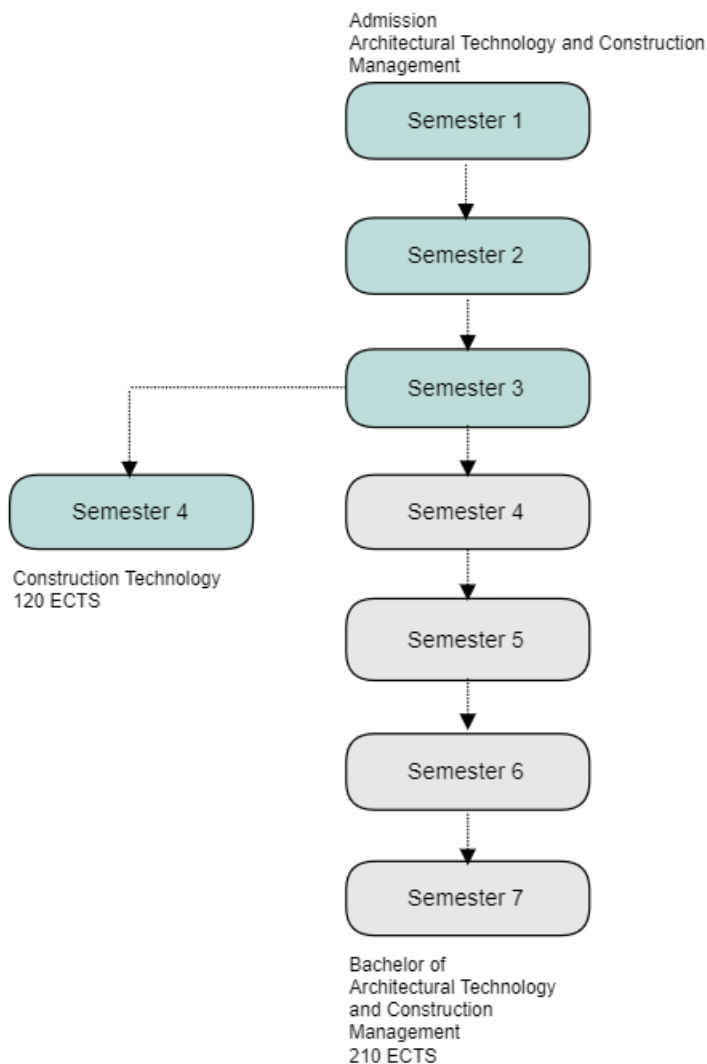




FIGURE 1: PROGRAMME STRUCTURE

The ECTS credit distribution of the national and local programme elements, internship and Bachelor's project is set out in Figure 2.

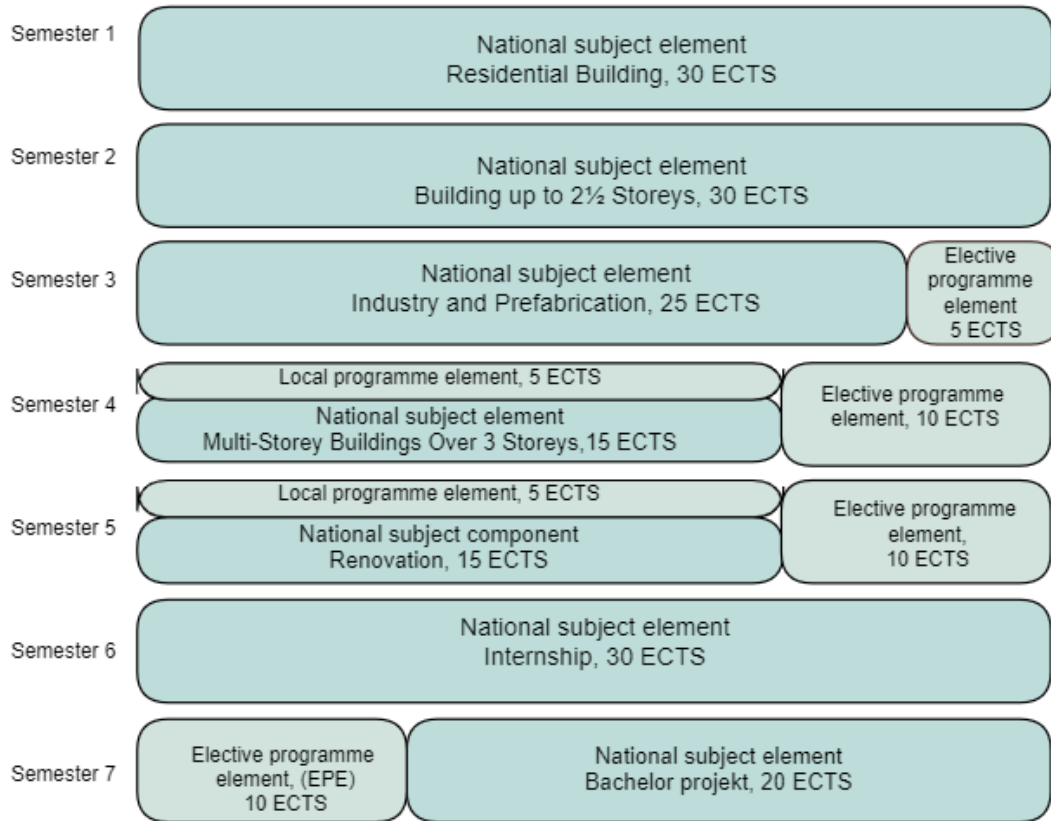


FIGURE 2: NATIONAL AND LOCAL PROGRAMME ELEMENTS ON THE ARCHITECTURAL TECHNOLOGY AND CONSTRUCTION MANAGEMENT PROGRAMME

As the figure shows, the national subject elements are scheduled in Semesters 1-7, while the local programme elements are introduced from Semester 3. These are detailed and described in the institutional part of this curriculum.

The national subject elements in the first five semesters are discrete courses which, together with the local programme elements, draw on the learning objectives associated with the subject areas of the programme.

The distribution among subject areas and subject elements, and the expected student workload, can be seen and read off from table 1, below.



Semester	National and local subject components	Programme components arranged within the subject areas of the programme				Placement	Bachelor's project	ECTS credits
		Organization and Business Understanding	Communication and Collaboration	Production	Structural Design			
1.	Residential Building		10	5	15			30
2.	Building up to 2½ Storeys	5	5	10	10			30
3.	Industry and Prefabrication	5	5	10	5			25
3.	EPC (Elective prog. component)	1		2	2			5
4.	Multi-Storey Building over 3 Storeys		5	5	5			15
4.	LPC (Local prog. component)			2	3			5
4.	EPC (Elective prog. component)	2		4	4			10
5.	Renovation			5	10			15
5.	LPC (Local prog. component)			2	3			5
5.	EPC (Elective prog. component)	2		5	3			10
6.	Placement					30		30
7.	EPC (Elective prog. component)			5	5			10
7.	ATCM Bachelor's project						20	20
	ECTS credits	15	25	55	65	30	20	210
	National subject components	2	5	7	9			
	Local subject components	1		4	4			
	Total, national subject areas	3	5	11	13	6	4	42

TABLE 1: ECTS RATING OF NATIONAL AND LOCAL PROGRAMME ELEMENTS BROKEN DOWN BY SUBJECT AREA

The national subject elements in the first five semesters are discrete courses. The local programme elements draw on the learning objectives of, and carry ECTS credits from, the programme subject areas (160 credits), as shown in Table 1. In addition, learning objectives and ECTS credits are set for the programme's internship (30 credits) and Bachelor's project (20 credits).



3 National part of the curriculum

This, the national part of the curriculum for the Bachelor's Degree Programme in Architectural Technology and Construction Management, is issued pursuant to Section 18, Article 1 of the Executive Order on Technical and Commercial Academy Profession Degree Programmes and Professional Bachelor's Degree Programmes. This curriculum is complemented by the institutional part of the curriculum, which is set by the individual institution offering the programme.

It has been prepared by the programme network for the Bachelor's Degree Programme in Architectural Technology and Construction Management and for the Academy Profession Degree programmes in Construction Technology, and approved by each provider's Board – or by its Rector acting on authority – after taking advice from the programme committee and chief examiner for the programme at the institutions.



4 Learning outcome objectives

Knowledge

The graduate possesses:

- development-based knowledge and understanding of the principles, theories and methods applied in the profession in the management, design, planning, execution and the operation and maintenance of complex construction and civil engineering tasks;
- development-based knowledge of professionally relevant concepts and methods of scientific theory, and of communication theories and methods of conveying construction industry problems, including the use in the profession of digital media and tools;
- development-based knowledge of the industry's principles and models for business start-up, operation and organization, and of the social and technological factors affecting the construction process, including issues relating to energy, working environment and sustainability in a local and global perspective;
- development-based knowledge of management, social, linguistic, cultural and ethical aspects of the design of construction tasks and collaboration on them.

Skills

The graduate is able to:

- evaluate and apply the methods of management, design, planning and execution of complex construction and civil engineering tasks relevant to the profession, including relevant digital tools, standards and systems;
- apply relevant research knowledge and methods to the solution of complex construction industry problems;
- evaluate technological, organizational and societal factors in connection with building design, including aspects relating to energy, working environment and sustainability, and to substantiate and select relevant potential solutions;
- communicate practice-oriented and professional knowledge based on construction industry research and development.

Competencies

The graduate is able to:

- handle the planning, design, management and execution of complex construction and/or civil engineering tasks, independently and in collaboration with other professionals;
- manage communication between the construction industry parties regarding the design, procurement and execution of complex construction and civil engineering tasks;
- manage sustainability, social, cultural and ethical factors in the design and refinement of construction projects, and engage in management and collaborative settings with others of different educational, linguistic and cultural background;
- independently engage in professional and interdisciplinary collaborations, and assume responsibility within the domain of the profession;



- identify his or her own learning needs and develop his or her own knowledge, skills in competencies relating to the profession.



5 The programme's five national subject elements

5.1 Residential Building (Semester 1)

Content

The national subject element takes the form of an interdisciplinary project with a specific small residential building as its theme.

The subject element carries 30 ECTS credits and includes the following subject areas:

- Communication and Collaboration (10 ECTS credits)
- Production (5 ECTS credits)
- Structural Design (15 ECTS credits)

Learning objectives for Residential Building

Knowledge

In respect of the *Residential Building* national subject element, the student shall:

- be able to understand the profession's fundamental construction technology disciplines and associated relevant documentation;
- be able to understand common structural design and execution methods, including properties of materials, structural principles and social, environmental and economic aspects;
- possess knowledge of common communication methods and of analogue and digital tools and standards;
- possess knowledge of the industry's parties and professional fields, and insight into the construction process;
- possess knowledge of fundamental, applied principles of mathematics and building physics, including building services and statics;
- possess knowledge of information searching methods in connection with structural design tasks;
- possess knowledge of principles and tools used in surveying, staking out and recording in relation to construction and civil engineering.

Skills

In respect of the *Residential Building* national subject element, the student shall be able to:

- use data collection and analysis methods and tools to a basic standard;
- use structural design methods and tools, and use methods relating to the organization of the building process;
- use methods and tools for surveying and staking out;
- use methods and tools to organize and plan professional collaboration;
- communicate practice-oriented and professional issues to relevant partners;
- evaluate practice-oriented and theoretical issues and substantiate and select relevant potential solutions.



Competencies

In respect of the *Residential Building* national subject element, the student shall be competent to:

- manage structural solutions and documentation to a basic standard;
- manage the relationship between various construction technology issues;
- engage in professional and interdisciplinary collaboration in study settings;
- identify his or her own learning needs in a structured setting.

ECTS rating

The *Residential Building* national subject element carries 30 ECTS credits.



5.2 Building up to 2½ Storeys (Semester 2)

The national subject element takes the form of an interdisciplinary project working on a specific building of up to 2½ storeys.

The subject element comprises 30 ECTS credits and includes the following subject areas:

- Organization and Business Understanding (5 ECTS credits)
- Communication and Collaboration (5 ECTS credits)
- Production (10 ECTS credits)
- Structural Design (10 ECTS credits)

Learning objectives for Building up to 2½ Storeys:

Knowledge

In respect of the *Building up to 2½ Storeys* national subject element, the student shall:

- be able to understand and reflect on common structures and principles of building physics, including statics and building services;
- possess knowledge of common communication methods and of analogue and digital tools and standards;
- possess knowledge of building information modelling in relation to structural design and production;
- possess knowledge of theories, methods and tools for financial management of the works in the design phase;
- be able to understand and reflect on common planning, design and execution methods and on work methodology in the building process;
- possess knowledge of fundamental social, environmental and economic aspects of structural design and production;
- possess knowledge of legislation, principles and methods in business, entrepreneurship, statutory rules and contractual relations.

Skills

In respect of the *Building up to 2½ Storeys* national subject element, the student shall be able to:

- use data collection and analysis methods and tools;
- use quality assurance and financial management methods and tools in structural design and production;
- use methods, tools and standards, including the use of digital building information models;
- evaluate theoretical and practice-oriented issues in the structural design and production of small buildings, and substantiate the actions and solutions selected;
- evaluate and select award procedures, types of contract and organizational forms to a basic standard;
- communicate practice-orientated and professional issues and solutions to partners and users.

Competencies



In respect of the *Building up to 2½ Storeys* national subject element, the student shall be competent to:

- handle the analysis of issues relevant to the construction industry and associated solutions;
- handle structural design and account for the principles used in execution;
- independently engage in collaboration with others on digital structural design;
- identify his or her own learning needs, proceeding from the knowledge, skills and competencies acquired in the semester.

ECTS rating

The *Building up to 2½ Storeys* national subject element carries 30 ECTS credits.



5.3 Industry and Prefabrication (Semester 3)

The national subject element takes the form of an interdisciplinary project working on the structural design of industrialized elements used in a specific building.

The subject element comprises 25 ECTS credits and includes the following subject areas:

- Organization and Business Understanding (5 ECTS credits)
- Communication and Collaboration (5 ECTS credits)
- Production (10 ECTS credits)
- Structural Design (5 ECTS credits)

Learning objectives for Industry and Prefabrication

Knowledge

In respect of the *Industry and Prefabrication* national subject element, the student shall:

- be able to understand and reflect on common structures and principles of building physics, including statics and building services;
- be able to understand and reflect on prefabricated production and execution methods in the building process, including knowledge of planning and management tools;
- be able to understand and reflect on forms of organization, collaboration and management in relation to structural design and production;
- possess knowledge of social, environmental, economic and technological aspects of structural design and the production process;
- possess knowledge of fundamental principles, theories and methods for the establishment and operation of a business.

Skills

In respect of the *Industry and Prefabrication* national subject element, the student shall be able to:

- use data collection and analysis methods and tools;
- apply professional structural design and production methods to the construction process for prefabricated building works;
- use digital building information models and transfer and extract data between different digital platforms and information systems;
- evaluate and analyse theoretical and practice-orientated issues in prefabricated construction, and substantiate the actions and solutions selected;
- evaluate contractual bases and contract forms, and organize types of contract and award procedure;
- communicate practice-oriented, professional issues and solutions to Danish-speaking and English-speaking partners and users.

Competencies

In respect of the *Industry and Prefabrication* national subject element, the student shall be competent to:

- handle documented analysis of issues relevant to the construction industry;



- manage structural solutions so as to optimize production, taking social, environmental and economic aspects into account;
- manage the handover of digital project material and documentation as the basis of digital procurement;
- independently engage in professional and interdisciplinary collaboration on the preparation of project documentation;
- participate in collaboration on the management of construction and civil engineering tasks;
- identify his or her own learning needs and acquire knowledge, skills and competencies.

ECTS rating

The *Industry and Prefabrication* national subject element carries 25 ECTS credits.



5.4 Multi-Storey Residential Building over 3 Storeys (Semester 4)

The national subject element takes the form of an interdisciplinary project working on a specific multi-storey residential building over 3 storeys.

The subject element comprises 15 ECTS credits and includes the following subject areas:

- Communication and Collaboration (5 ECTS credits)
- Production (5 ECTS credits)
- Structural Design (5 ECTS credits)

Learning objectives for Multi-Storey Residential Building over 3 Storeys

Knowledge

In respect of the *Multi-Storey Residential Building over 3 Storeys* national subject element, the student shall:

- be able to understand and reflect on complex structures and principles of building physics, including statics and building services;
- possess knowledge of common communication methods, tools and standards relating to digital structural design, and be able to reflect on the use in the profession of digital systems and methods;
- be able to understand and reflect on complex production and execution methods;
- possess knowledge of principles and methods of science theory in relation to practice in the profession;
- possess knowledge of relevant social, environmental, economic and technological aspects of the structural design and production process.

Skills

In respect of the *Multi-Storey Residential Building over 3 Storeys* national subject element, the student shall be able to:

- use and show proficiency in methods and tools for data collection, analysis and processing;
- use methods to plan, coordinate and design a digital interdisciplinary process, including considerations relating to execution and to operation and maintenance;
- show proficiency in the skills associated with planning and management of the execution phase;
- use digital building information models and transfer and extract data between different digital platforms and information systems;
- communicate digital project material and documentation as the basis for digital construction management;
- communicate and evaluate practice-oriented and professional issues, select solutions and substantiate them to partners and users.

Competencies

In respect of the *Multi-Storey Residential Building over 3 Storeys* national subject element, the student shall be competent to:

- handle documented analysis of complex issues relevant to the construction industry;
- manage complex digital structural design and production, taking social, environmental and economic aspects into account;



- manage the structural design and execution process, taking societal and technological factors into account;
- independently engage in interdisciplinary collaboration on the planning, structural design and production of construction and civil engineering tasks;
- identify his or her own learning needs and develop his or her own knowledge, skills and competencies.

ECTS rating

The *Multi-Storey Residential Building over 3 Storeys* national subject element carries 15 ECTS credits.



5.5 Renovation (Semester 5)

The national subject element takes the form of an interdisciplinary project working on the planning and design of a specific renovation.

The subject element comprises 15 ECTS credits and includes the following subject areas:

- Production (5 ECTS credits)
- Structural Design (10 ECTS credits)

Learning objectives for Renovation

Knowledge

In respect of the *Renovation* national subject element, the student shall:

- possess development-based knowledge of the recording and assessment of existing conditions;
- be able to reflect on structures and principles of building physics, including statics and building services;
- be able to understand complex design and execution methods;
- be able to reflect on different energy-efficient renovation and conversion concepts, taking social, environmental and economic aspects into account.

Skills

In respect of the *Renovation* national subject element, the student shall be able to:

- use and show proficiency in data collection, analysis and processing methods and tools;
- use and show proficiency in structural design methods and methods of planning and managing the execution of the renovation works, taking social, environmental and economic aspects into account;
- use digital building information models and transfer and extract data between different digital platforms and information systems;
- evaluate problems and aspects of building physics and make substantiated choices;
- communicate practice-oriented and professional issues and solutions to partners and users.



Competencies

In respect of the *Renovation* national subject element, the student shall be competent to:

- manage complex construction technology solutions on the basis of a documented analysis;
- manage a digital design and production process;
- manage complex renovation projects, taking social, environmental and economic aspects into account;
- independently engage in interdisciplinary collaboration on the planning, design, quality assurance and production of complex renovation projects;
- identify his or her own learning needs and develop his or her own knowledge, skills and competencies.

ECTS rating

The *Renovation* national subject element carries 15 ECTS credits.

5.6 Number of examinations on the national subject elements

The national subject elements in the first academic year amount to 60 ECTS credits, all attached to the examinations constituting the Year 1 test.

In addition, there are three examinations (Semesters 3, 4 and 5) on the other national subject elements, and one further examination on the Bachelor's project (Semester 7). For the number of examinations on the internship (Semester 6), please see Section 3.

For a combined overview of all examinations on the programme, please see the institutional part of the curriculum, as the national subject elements described in this curriculum may be examined together with subject elements set out in the institutional part of the curriculum.



6 Internship

Learning objectives for the internship

Knowledge

The student shall possess:

- development-based knowledge of, and the ability to reflect on, the practical work that the profession entails, in the particular company;
- development-based knowledge of, and the ability to reflect on, the organizational, economic, administrative, societal and labour conditions obtaining in the particular company.

Skills

The student shall be able to:

- use and show proficiency in the architectural technologist's methods and tools as they relate to the profession;
- evaluate theoretical and practice-oriented issues in the internship, and substantiate and select relevant potential solutions;
- communicate practice-oriented issues and solutions to the host company and stakeholders.

Competencies

The student shall be competent to:

- manage complex development-oriented issues in work settings and translate them into practice-oriented solutions in the particular company;
- identify his or her own learning needs and develop his or her own knowledge, skills and competencies relating to the profession;
- manage complex development-oriented situations in work settings;
- independently engage in professional and interdisciplinary collaboration, and assume responsibility within a professional ethical framework;
- work on complex technical issues within the ambit of the profession in the particular company;
- work independently or in collaboration with others on the solution of theoretical and practical tasks in the particular company.

ECTS rating

The internship carries 30 ECTS credits.

Number of examinations

The internship concludes with one examination.



7 Bachelor's project requirements

The learning objectives for the Bachelor's project are identical to the final learning objectives of the programme as set out above in Section 1.

The bachelor's project must demonstrate the student's understanding of, and ability to reflect on, practice in the profession and its application of theory and method in relation to a practice-oriented problem. The problem, which must be key to the programme and to the profession, is to be formulated by the student, in collaboration with a private- or public-sector company if appropriate. The problem must be approved by the institution.

The Bachelor's project examination

The Bachelor's project concludes the programme in the final semester, when all preceding examinations have been passed. For general information, please see the current Executive Order on Examinations on Vocational Higher Education Programmes and the institutional part of the curriculum.

ECTS rating

The Bachelor's project carries 20 ECTS credits.

Examination format

This is an externally assessed oral and written examination with a combined individual mark on the 7-point scale awarded for the written project and oral performance.

See also the institutional part of the curriculum for additional requirement specifications.



8 Institutional part of the curriculum

The institutional part comprises the regulations applicable specifically to the Bachelor's Degree Programme in Architectural Technology and Construction Management at VIA University College. These regulations are laid down by VIA University College.

When transferring to or from the Bachelor's Degree Programme in Architectural Technology and Construction Management at VIA University College, it must be anticipated that the institutions are subject to different regulations as set out in the institutional parts of their respective curricula.

Any provision of the programme at VIA University College shall be subject to the regulations in this curriculum

The local programme elements described as elective programme elements (EPEs) and local programme elements (LPEs) are organized by the institution in the light of local and regional needs.

The local programme elements provide the student with considerable scope to shape his or her professional profile. Several elements are so organized that they require students to work actively on identifying their own learning needs and on showing themselves capable of structuring their own learning in a variety of learning environments.

In the *Renovation* national subject element (Semester 5), it is possible to make your programme accentuate either structural design or construction management.

8.1 Elective programme elements (EPEs)

As part of the Architectural Technology and Construction Management programme, the student must complete four elective programme elements, which form part of the overall provision of local programme elements. When in the programme the elective programme elements are taken can be seen in Figure 2 in the 'Programme Structure' section.

The elective programme elements on the Architectural Technology and Construction Management programme are described in the following section.

8.1.1 Elective programme element, Semester 3

The student must bring to the elective programme element his or her knowledge, skills and competencies based on the subject areas of the programme.

Content

In this elective, the student will work partly within his or her own programme and partly with students from other programmes.

By taking part in creative, innovative and entrepreneurial processes, the student must find a solution to a specific interprofessional challenge formulated by the programme team in collaboration with one or more external parties. The student will be presented with the challenges and choose from among them. Students will be divided into groups according to their chosen challenge.

The work must culminate in a set of project documentation and a learning reflection one standard page in length.

Learning objectives

Knowledge

The student shall possess knowledge of, and be able to understand:



- selected areas of the duties, expertise and responsibilities of the student's own and other professions;
- key elements of interprofessional expertise;
- key concepts in creativity, innovation and entrepreneurship.

Skills

The student shall be able to:

- apply his or her professional knowledge in innovative processes;
- evaluate special challenges and options in interprofessional collaboration;
- communicate innovative processes in interprofessional settings.

Competencies

The student shall be competent to:

- identify, analyse and manage a specific topic in an interprofessional assignment, in collaboration with others;
- identify his or her own learning needs;

ECTS rating

The elective comprises 5 ECTS credits.

Examinations

The elective concludes with one examination. See under Examinations for further details.

8.1.2 Elective programme element, Semester 4

The student must bring to the elective programme element his or her knowledge, skills and competencies based on the subject areas of the semester (Communication and Collaboration/Production/Structural Design).

Content

The elective is the student's opportunity to concentrate on and specialize in a subject area of his or her choice.

The student must independently write a report based on a topic of his or her choice within the semester's national subject element. The report/assignment may be based on project documentation prepared by the student him/herself.

The student's report writing will be complemented by teaching in scientific theory and method.

Learning objectives

Knowledge

The student shall possess knowledge of, and be able to understand:

- the role of structural surveys as a fundamental part of the way the building industry operates;
- the most fundamental and relevant concepts in the theory of science.

Skills

The student shall be able to:

- show proficiency in data collection, analyse and describe a specific construction industry topic so that it can be the basis of further technical elaboration;
- use collected data according to scientifically based principles to illuminate a self-chosen construction industry topic or to tackle a specific construction industry task;



- evaluate and substantiate data collection methods;
- communicate reports in the scientific genre using comprehensible written language.

Competencies

The student shall be competent to:

- handle a structural survey containing problem statement, empirical data collected, analyses and interpretations, argumentation and conclusion together with possible specific solution proposals;
- identify, delimit, analyse and discuss a construction industry topic relating to the national subject element.

ECTS rating

The elective carries 10 ECTS credits.

Examinations

The elective concludes with one examination. See under Examinations for further details.

8.1.3 Elective programme element, Semester 5

The student must bring to the elective programme element his or her knowledge, skills and competencies based on the subject areas of the programme.

Content

The elective is the student's opportunity to specialize in an area of his or her choice.

The student may organize the elective him/herself within the chosen specialization of the national subject element.

The work must culminate in a set of project documentation.

Learning objectives

Knowledge

The student shall possess:

- knowledge and understanding of the relationship between the chosen topic and the semester's national subject element;
- knowledge of and the ability to reflect on theory and method.

Skills

The student shall be able to:

- apply theoretical methods and tools to the solution of problems;
- substantiate, select and prepare relevant proposed solutions;
- communicate technical issues;

Competencies

The student shall be competent to:

- handle complex construction technology topics relating to the semester's national subject element;



- identify his or her own learning needs in relation to the semester's national subject element and develop his or her own knowledge of the chosen topic.

ECTS rating

The elective programme element carries 10 ECTS credits.

Examinations

The elective concludes with one examination. See under Examinations for further details.

8.1.4 Elective programme element, Semester 7

The student must bring to the elective programme element his or her knowledge, skills and competencies based on the subject areas of the programme (Organization and Business Understanding/Communication and Collaboration/Production/Structural Design).

Content

The elective is the student's opportunity to specialize in an area of his/her choice.

The student must independently prepare a project or written report based on a topic of his or her choice relevant to the profession.

The elective may be combined with the final Bachelor's project.

Learning objectives

Knowledge

The graduate possesses:

- knowledge of professionally relevant science theory-based concepts and methods for communicating construction industry problems;
- the ability to understand and reflect on the value of investigation, and translate this into practice.

Skills

The graduate is able to:

- use collected data according to a scientifically based method to illuminate a self-chosen construction technology topic or to tackle a specific construction technology task;
- evaluate practice-oriented and theoretical issues and substantiate and select relevant potential solutions;
- substantiate, select and evaluate data collection methods;
- communicate practice-oriented and professional issues and solutions to partners and users.

Competencies

The graduate is able to:

- handle complex development-oriented construction technology problems;
- handle the selection, delimitation, analysis and elucidation of a construction technology topic, independently and in a manner recognized as appropriate to the task and to the profession.

ECTS rating

The elective carries 10 ECTS credits.

Examinations

The elective concludes with one examination (see under Examinations for further details).



8.2 Local programme elements (LPEs)

As part of the Architectural Technology and Construction Management programme, the student must complete two local programme elements, which form part of the overall provision of local programme elements. When in the programme the local programme elements are taken is shown in Figure 2 in the 'Programme Structure' section.

The student must bring to the local programme element his or her knowledge, skills and competencies based on the national subject element.

Content

The local programme element is the student's opportunity to concentrate on and specialize in a topic of his or her choice.

The student must independently prepare a project on the basis of a topic of his or her choice within the semester's national subject element.

Different topics may be chosen in different semesters.

Learning objectives

Knowledge

The student shall possess:

- knowledge of investigation design;
- knowledge of, and the ability to understand, how to work on investigation design;
- knowledge of, and insight into, legislation and any special client requests;
- knowledge of the political objectives for the development of sections of the industry in Denmark and abroad;
- knowledge of, and the ability to reflect on, the way the topic integrates with the national subject element project.

Skills

The student shall be able to:

- use data collection and analysis methods and tools seen in relation to his or her own investigation design;
- use methods and tools to demonstrate and document the investigation work;
- evaluate and implement statutory requirements and client requests;
- communicate practice-oriented and professional issues and solutions relating to his/her own investigation design.

Competencies

The student shall be competent to:

- incorporate the knowledge and skills acquired into the national subject element;
- identify his or her own learning needs and develop his or her own knowledge of the chosen topic.

ECTS rating

The local programme element carries 5 ECTS credits.

Examination

The synopsis must be submitted prior to the conclusion of the project.



Assessment will attach weight to the student's demonstration of understanding of the topic and to how it is integrated into the national subject element project.

Assessment will take into account the extent to which the learning objectives for knowledge, skills and competencies have been achieved.

8.3 Credit transfer for elective and local programme elements (local programme elements)

Successfully completed programme elements are equivalent to the corresponding programme elements at another educational institution offering the programme in Denmark.

The duty of disclosure and the regulations on automatic application for credit for programme elements completed and/or passed at at least the same level (compulsory credit transfer), as laid down in the Executive Order on Admission and the Executive Order on Academy Profession and Professional Bachelor's Degree Programmes, apply accordingly to elective and local programme elements on the Bachelor's Degree Programme in Architectural Technology and Construction Management.

Credit will be awarded for elective and local programme elements following a professional assessment as to whether the programme attended is comparable in terms of content and level with one or more elective or local programme elements.

The credit transfer application must be submitted to the student advisor for the programme no later than 14 days prior to the beginning of the programme element.

The application must state the following:

- Full name of applicant;
- applicant's CPR (social security) number;
- the programme element for which credit is sought;
- evidence that the applicant has gained knowledge, skills and competencies equivalent to the content of the programme element.

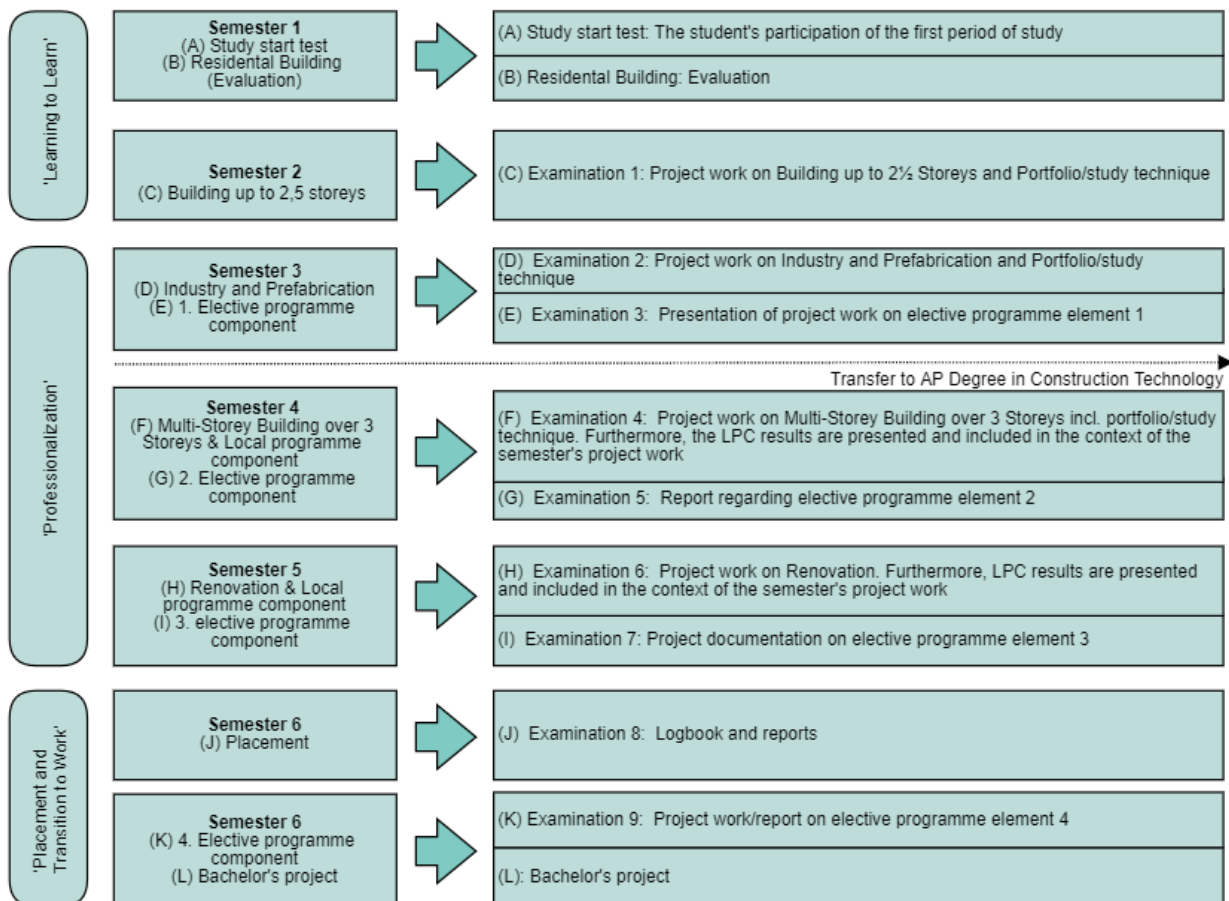


8.4 Timetable of programme elements and internship, including examinations

The Bachelor's Degree Programme in Architectural Technology and Construction Management is organized as an ordinary full-time higher education programme. For students completing the programme without an individually arranged pathway, the programme, including examinations, will progress as shown in the figure below.

FIGURE 3: TIMETABLE OF PROGRAMME ELEMENTS AND EXAMINATIONS SHOWING PEDAGOGICAL LEARNING ENVIRONMENTS

The focus in the early semesters is on the student's learning to study in a higher education setting while also acquiring professional knowledge. This segment concludes with the Year 1 test, which is also a compulsory-pass test. In the following semesters, the student works in increasingly complex contexts on honing his/her professional profile, while the final semesters revolve around the internship and the transition to work.





8.5 Parts of the programme that may be attended abroad (exchange scheme)

The following semesters may be attended abroad on application to and by agreement with the Architectural Technology and Construction Management Programme, VIA University College:

- Semester 3
- Semester 4
- Semester 5
- Semester 6
- Semester 7

Applications to attend programme elements abroad must be lodged through VIA's online registration system, MoveOn, twice a year, by 20 March or 20 September as the case may be.

The applicant must use the appropriate application form (available on Studienet) to provide:

- personal details;
- emergency contact details;
- educational background and desired stay;
- language skills;
- special requirements.

The applicant must also upload a traNSEript of records in English, a copy of his/her passport or other picture ID, a copy of the blue health insurance certificate, language test certificate (if any), covering letter (if any) and CV (if any).

By default, the student must have attained a mark of at least 7 in the preceding semester in order to be approved for an exchange visit. Should a student wish to go on exchange for more than one semester, this must be approved by the Programme Director on the basis of an individual application.

Applications to go on internship abroad must be lodged through VIA's online registration system, Praktikportalen (the internship Portal), no later than the end of Teaching Week 16 of the semester preceding the internship.

The application must supply the following details:

- the company (name, address, postcode, city, email address, telephone number, country);
- the specific internship (address, city, postcode, start and end dates, personal learning objectives);
- the contact person/internship supervisor at the company (first name, surname, email address).



8.6 The internship

On the basis of the semester learning objectives, the internship student draws up his or her own learning objectives and clarifies them in collaboration with the internship venue and the educational institution.

The internship student is responsible for:

- establishing contact with the host company and concluding a internship agreement well in advance of the internship period (this includes formulating specific learning objectives);
- drawing up an internship learning plan in collaboration with the host company;
- keeping a logbook of his or her internship;
- preparing three internship reports.

The Architectural Technology and Construction Management programme team can assist the internship student with the above.

Attendance is compulsory throughout the internship.

It is a pre-requisite for final assessment of the internship that it reflects a workload equivalent to 30 ECTS credits distributed over a 20-week session.

8.6.1 The role of the host company

It is the responsibility of the host company to ensure that the requisite conditions are met to enable a internship student to meet the learning objectives described in the internship contract.

The host company is expected to:

- be familiar with the programme and the duties of an architectural technologist;
- be an environment relevant to construction technology;
- offer the trainee the requisite coaching, guidance and feedback;
- have an owner and/or personnel with professionally relevant competencies (e.g. architectural technologists, architects or engineers);
- conclude with the student a written internship agreement describing the learning objectives;
- draw up a learning plan in collaboration with the trainee;
- ensure that the trainee is subject to the same working environment, insurance and health and safety conditions as apply to the company's other employees;
- appoint a person to be the trainee's internship supervisor, who will take part in the written evaluation of the internship for programme quality assurance and quality development purposes.

The host company must ensure that a internship student works to fulfil the internship goals in an appropriate manner. The host company may, in collaboration with a member of the programme teaching staff at the University College, make contact with a internship student who in the opinion of the host company will be unable to meet the internship goals or is not working appropriately to meet those goals, with a view to providing guidance to the student.

It is not the job of the internship host company to assess whether a trainee will be suited to working as an architectural technologist after graduation.

The host company undertakes not to terminate a student's internship at the institution without first approaching the Architectural Technology and Construction Management programme team at VIA University College to resolve a conflict or an issue arising between the student and the internship host.



8.7 Examinations

Examinations on the Architectural Technology and Construction Management programme are held in English or other foreign language than Danish. In the Bachelor's project, the student's spelling and powers of expression will be taken into account as a minor part of the marking.

Special examination conditions

Where students have a need for special examination conditions for reasons of health, language difficulties or similar, the Architectural Technology and Construction Management programme will offer these conditions in order to ensure equality between these students and those who do not need special examination conditions.

Special examination conditions will be offered to each student individually on application and on the basis of a specific assessment as to whether, and to what extent, the special conditions are needed. Special examination conditions must ensure only that the students concerned have the same opportunity to complete the examination satisfactorily as those without a need for special conditions. The provision of special examination conditions must not affect the examination standard or attainment requirements.

Applications for special examination conditions must be submitted to the student advisor for the programme no later than one month prior to the examination.

The application must state:

- the applicant's full name;
- the applicant's student number;
- the examination at which special conditions are being requested and the nature of those conditions;
- why special examination conditions are required.

The examinations

Examinations on the Architectural Technology and Construction Management programme are linked to the learning objectives for one or more programme elements. The element(s) associated with the examinations are set out in Figure 3 in Section 3.4.

Embarking on a programme element associated with one or more examinations also constitutes automatic enrolment on the associated examination(s). Enrolment (including automatic enrolment) on an examination also consumes one examination attempt. In accordance with the Executive Order on Examinations, it is not possible to disenrol from an examination in cases other than those covered by Section 7 of the Executive Order.

The induction test

The Architectural Technology and Construction Management programme includes an induction test held within 2 months of commencement of study.

The induction test takes the form of a written examination on the academic content of the initial study period and an oral examination focusing on motivation and study activity. The oral test is based on the student's reflections on their own study activity (e. g. attendance, level of activity on the learning platform, overall participation in study activities and assignments). The test will be awarded a combined pass/fail mark without the participation of examiners. Both elements in the test must be graded positively in order for the student to pass the induction test.

The purpose of the test is to show whether the student have truly embarked on the programme. It is also important to the Architectural Technology and Construction Management programme that the induction test helps newly enrolled students get their studies off to a good start.



Resits are held as per the original test after a brief interval. Resits take place within 3 months of commencement of stud. Should a student not have passed the induction test after two attempts (test and resit), he or she will be disenrolled from the programme in accordance with the regulations in the Executive Order on Admission to Academy Profession and Professional Bachelor's Degree Programmes.

For exemption and appeal options, read the valid executive order on examinations and test on Vocational Higher Education Programmes.

Semester 1 evaluation

An internal evaluation is carried out at the end of Semester 1. At the evaluation, groups of students must give a digital/oral presentation of the key parts of their work on the semester project. The presentation will subsequently be evaluated by the teaching staff, who will also give advice as to how students can focus their efforts from this point on in order to prepare for Examination 1, which is taken in Semester 2. No mark is awarded in the evaluation.

8.7.1 Examination 1

This examination tests the learning objectives of the Residential Building and Building up to 2½ Storeys national subject elements.

The examinable material consists of the Building up to 2½ Storeys project work and the Portfolio. It is a pre-requisite for sitting the examination that the examinable material has been submitted within the deadline. Format requirements are described later.

It is also a pre-requisite for sitting the examination that study activity requirements and any attendance requirement have been met; see the section on Study Activity for more on this.

The examination takes the form of a group oral exam in which students give a digital/oral presentation of key parts of their work on the semester project. The examination is marked individually according to the following criteria:

- method and working process (knowledge, skill, competence);
- technical solutions and documentation (knowledge, skill, competence);
- oral presentation and defence (knowledge, skill, competence);

The examination is marked on the 7-point scale with an external examiner participating.

Resits are taken individually, but otherwise as per the examination, after a brief interval to allow the student to improve the examinable material.

8.7.2 Examination 2

This examination tests the learning objectives of the Industry and Prefabrication national subject element.

The examinable material consists of the Industry and Prefabrication project work and the Portfolio. It is a pre-requisite for sitting the examination that the examinable material has been submitted within the deadline. Format requirements are described later.

It is also a pre-requisite for sitting the examination that study activity requirements and any attendance requirement have been met; see the section on Study Activity for more on this.

The examination takes the form of a group oral exam in which students present the semester's theme project. The examination is marked individually, taking into account both the student's contribution to the group and his or her independent part of the project. The following assessment criteria are used:

- method and working process (knowledge, skill, competence);



- technical solutions and documentation (knowledge, skill, competence);
- oral presentation and defence (knowledge, skill, competence);

Substantial parts of the project must be presented digitally/orally, followed by oral evaluation by teaching staff.

The examination is marked on the 7-point scale without an external examiner/second assessor participating.

Resits are taken individually, but otherwise as per the examination, after a brief interval to allow the student to improve the examinable material.

8.7.3 Examination 3

This examination assesses the learning objectives for Elective 1.

The examinable material consists of a presentation of, and the project work on, elective programme element No. 1, plus a learning reflection one standard page in length. It is a pre-requisite of assessment that the examinable material has been submitted within the deadline. Format requirements are described later.

It is also a pre-requisite for sitting the examination that study activity requirements and any attendance requirement have been met; see the section on Study Activity for more on this.

The examination takes the form of a group oral exam. The examination is individually marked.

The exam is marked on the 7-point scale with no external examiner/second assessor participating.

Resits are taken individually, but otherwise as per the examination, after a brief interval to allow the student to improve the examinable material.

8.7.4 Examination 4

This examination assesses the learning objectives for the Multi-storey Residential Building over 3 Storeys national subject element and the chosen local programme element (combined exam result).

The examinable material consists of the project work regarding the Multi-storey Residential Building over 3 Storeys and your portfolio. The LPE result is presented and included in the context of the semester project work. It is a condition for participation in the examination that the the examinable material is submitted within the appointed time. Applicable form requirements are described later.

Furthermore, it is a pre-requisite for participation in the examination that requirements for study activity and any mandatory attendance has been met. For more information read the section regarding Study activity.

The examination takes the form of a group oral exam in which students present their semester project. The examination is marked individually, taking into account both the student's contribution to the group and his or her independent part of the project. The following assessment criteria are used:

- method and working process (knowledge, skill, competence);
- technical solutions and documentation (knowledge, skill, competence);
- oral presentation and defence (knowledge, skill, competence);

Substantial parts of the project must be presented digitally/orally, followed by oral evaluation by teaching staff.

Considerable weight is attached to self-reliance in solving the assignment, including the ability to work methodically, analytically and professionally when searching for relevant information.

The elements of the examination are weighted within the overall mark as follows:



- Learning objectives for the national subject element Multi-storey Residential Building over 3 Storeys: 75%
- Learning objectives for the the chosen local programme element: 25%

The examination is marked on the 7-point scale with no external examiner/second assessor participating. It is a pre-requisite for passing the examination overall that both programme elements are passed.

Resits are taken individually, but otherwise as per the examination, after a brief interval to allow the student to improve the examinable material.

8.7.5 Examination 5

This examination assesses the learning objectives for Elective 2.

The examinable material consists of the Elective 2 report. It is a pre-requisite of assessment that the examinable material has been submitted within the deadline. Format requirements are described later.

It is also a pre-requisite for sitting the examination that study activity requirements and any attendance requirement have been met; see the section on Study Activity for more on this.

The examination takes the form of an individual written exam. The examination is assessed individually by the supervisor by means of a mark and a commentary in the form of a completed feedback form.

The overall assessment criteria used are:

- problem statement (relevance and usability);
- method selection and application;
- technical (theoretical) argumentation;
- conclusion;
- formal aspects (language, style, structure, clarity etc.).

The technical content and problem statement of the report, and its methodological approach and formal aspects, will be weighted 50:50. The technical side refers to the complexity/difficulty of the material, while the methodological side is about whether relevant methods have been selected and applied, and valid arguments made.

The examination is marked on the 7-point scale with no external examiner/second assessor participating.

Resits are taken as per the examination after a brief interval to allow the student to improve the examinable material.

8.7.6 Examination 6

This examination assesses the learning objectives for the Renovation national subject element and the chosen local programme element (combined exam result).

The examinable material consists of the project work regarding Renovation. The LPE result is presented and included in the context of the semester project work. It is a condition for participation in the examination that the the examinable material is submitted within the appointed time. Applicable form requirements are described later.

Furthermore, it is a pre-requisite for participation in the examination that requirements for study activity and any mandatory attendance has been met. For more information read the section regarding Study activity.



The examination takes the form of a group oral exam in which students present their semester project. The examination is marked individually, taking into account both the student's contribution to the group and his or her independent part of the project. The following assessment criteria are used:

- method and working process (knowledge, skill, competence);
- technical solutions and documentation (knowledge, skill, competence);
- oral presentation and defence (knowledge, skill, competence);

Substantial parts of the project must be presented digitally/orally, followed by oral evaluation by teaching staff.

Considerable weight is attached to self-reliance in solving the assignment, including the ability to work methodically, analytically and professionally when searching for relevant information.

The elements of the examination are weighted within the overall mark as follows:

- Learning objectives for the national subject element Renovation: 75%
- Learning objectives for the the chosen local programme element: 25%

The examination is marked on the 7-point scale with no external examiner/second assessor participating. It is a pre-requisite for passing the examination overall that both programme elements are passed.

Resits are taken individually, but otherwise as per the examination, after a brief interval to allow the student to improve the examinable material.

8.7.7 Examination 7

This examination assesses the learning objectives for Elective 3.

The examinable material consists of the Elective 3 project documentation. It is a pre-requisite of assessment that the examinable material has been submitted within the deadline. Format requirements are described later.

It is also a pre-requisite for sitting the examination that study activity requirements and any attendance requirement have been met; see the section on Study Activity for more on this.

The examination may take the form of a group written exam or an individual written exam. The examination is marked individually. If the examination is taken as a group written exam, the individual student's contribution to the examinable material must be clearly apparent. The following assessment criteria are used:

- method and working process (knowledge, skill, competence);
- technical solutions and documentation (knowledge, skill, competence);
- oral presentation and defence (knowledge, skill, competence);

The examination is marked on the 7-point scale with no external examiner/second assessor participating.

Resits are taken as per the examination, after a brief interval to allow the student to improve the examinable material.

8.7.8 Examination 8

The basis of assessment in this examination consists of a logbook and three reports prepared on the basis of the internship. It is a pre-requisite of assessment that the examinable material has been submitted in full within the deadline. It is also a pre-requisite for sitting the examination that the attendance requirement has been met; see the section on Study Activity for more on this.



Should the internship be terminated before completion and without the student meeting the learning objectives of the internship contract, the student must complete the internship in a new internship period under a new internship contract.

The elements of the examination are weighted within the overall mark as follows:

- Logbook: 40%
- Report 1: 20%
- Report 2: 20%
- Report 3: 20%

The examination is individually assessed; it is marked on the 7-point scale with no external examiner/second assessor participating.

Resits are taken as per the examination, after a brief interval to allow the student to improve the examinable material.

8.7.9 Examination 9

This examination assesses the learning objectives for Elective 4.

The examinable material is the Elective 4 project work. It is a pre-requisite of assessment that the examinable material has been submitted within the deadline. Format requirements are described later.

It is also a pre-requisite for sitting the examination that study activity requirements and any attendance requirement have been met; see the section on Study Activity for more on this.

The examination takes the form of an individual written exam. The examination is marked individually by the student's supervisor and an examiner appointed by the institution. The student him/herself does not take part in the assessment.

A mark is awarded on the basis of:

- The relevance of the collected material, quotations, references, recordings and literature citations.
- Your treatment, commentary, conclusion and independent evaluations in relation to the objectives set; these personal observations will be assessed in the light of their professional value in the given context.
- Your ability to communicate graphically and in writing.

The examination is marked on the 7-point scale with a second internal assessor participating.

Resits are taken as per the examination, after a brief interval to allow the student to improve the examinable material.

8.7.10 Final examination

Together with the other examinations on the programme, this examination must demonstrate the overall learning objectives of the Architectural Technology and Construction Management programme.

It is possible to undertake the Bachelor's project and the final examination individually. However, it is also possible to undertake the Bachelor's project as groupwork (in a group of no more than three), but in such a way that substantial parts are presented and assessed individually. The final examination will then be assessed on both group and individual contributions, with one independent mark per student.

In the case of groupwork, it must be clearly apparent who in the group has done what, and it is also a requirement that you are able to answer questions about your fellow group members' contributions where this is important to your chosen part of the project.



The examinable material is the Bachelor's project. It is a pre-requisite for sitting the examination that the examinable material has been submitted within the deadline and meets the project requirements set out in the relevant section. Format requirements are described later.

It is also a pre-requisite for sitting the examination that study activity requirements and any attendance requirement have been met; see the section on Study Activity for more on this.

The examination cannot take place until all the programme's other examinations, including internship examinations, have been passed.

The examination takes the form of an individual oral exam. The examination is marked individually.

Examination dates and guidance will be set out in the examination schedule published approximately 4 weeks prior to the examination.

Substantial parts of the project must be presented digitally.

The examination is marked on the 7-point scale with an external examiner participating.

Resits are taken as per the examination, after a brief interval to allow the student to improve the examinable material.

7.7.11.1 Guidelines relating to examinations and the final examination

The student will be entered for the examination by default at the beginning of the semester if all previous semesters have been completed in accordance with the regulations of the institution. The student must, however, show evidence of his or her study activity through study group attendance and contact with supervisors. Should the two compulsory project evaluations or the student's poor study group participation cause the supervisors to have doubts about the student's study activity, the student may be summoned to a meeting at which he/she must present his/her project.

It is important for all concerned that examinations are conducted as frictionless as possible. Your attention is therefore drawn to the following points:

What is the consequence of not sitting an examination owing to documented sickness or maternity?

- The student has not used up his/her first attempt.
- The student will be automatically enrolled on a resit/special circumstances examination on the same project.

What is the consequence of failure to attend an examination?

- The student has used up one attempt.
- The student will be automatically entered for a second attempt (resit) on the same project.

What is the consequence of being excluded from an examination?

- The student has used up one attempt.
- The student does not have the option of undertaking a second attempt (resit) on the same project, and it is therefore not realistically possible from a time point of view to complete a new project for a resit/special circumstances examination.

The student has used up one attempt.

- The student will automatically be entered for a second attempt (resit) on the same project.
- In accordance with Section 18 of the Executive Order on Examinations, the student may take the same test/examination no more than three times. In very special cases, however, the institution may permit a fourth examination attempt if there are exceptional circumstances.



If the student has not passed an examination or their project has not been approved, he/she has several options and/or obligations:

- Should the student not understand the reason for their mark, he/she may request an interview with the supervisors.
This must be done no later than 14 days after the student has received his assessment.
- Should the student wish to make a formal complaint, this must be addressed to the programme management. See also the Executive Order on Examinations for information on complaints about examinations.

Special considerations regarding submission of electives:

- Should the student fall sick or be otherwise prevented through no fault of their own from submitting the elective on time, the student must contact their supervisor. The supervisor and the programme management will then decide whether the elective can be submitted at a later date and whether a special circumstances exam is possible. A doctor's note must be produced as evidence of illness.

7.7.12 The Year 1 test

Examination 1 must be passed before the end of the student's second academic year. Should the examination be passed at resit within 2 years, the examination will be regarded as passed in good time, and the student can continue the programme in accordance with the progression outlined under 'Timetable of programme elements and internship'.

The regulation in Section 6, Article 3 of the Executive Order on Examinations cannot be waived by reference to the requirement that a student must pass the Year 1 test before the end of the student's second academic year.

Examination 1, which constitutes the Year 1 test, must be passed before a student may apply for transfer to another institution or programme, or for leave of absence for a reason other than sickness, maternity, adoption or military service.

7.7.13 Special circumstances examinations and resits

Special circumstances examinations

For students who are excused participation in a regular examination owing to documented illness or other, similar circumstances in accordance with Section 7 of the Executive Order on Examinations, a new examination will be conducted as soon as possible after the regular examination. Evidence of illness, in the form of a doctor's note, must be forwarded to Student Administration no more than 5 working days after the regular examination takes place.

The student will automatically be enrolled on the new examination.

In special cases, a special circumstances examination will be arranged at the next regular examination in the programme element. However, this does not apply to special circumstances sittings of the final examination, which are always arranged in the same examination session.

The student will be informed of the time and place of the special circumstances examination as soon as possible after the regular examination takes place.



Resits

For students who fail an examination, a resit is held as soon as possible. Should a special circumstances examination be held, this examination is to be considered as the next available attempt for those students who have failed the regular examination.

Students will automatically be enrolled on the new examination.

In special cases, the resit will be arranged at the next regular examination in the programme element. However, this does not apply to resits of the final examination, which are always arranged in the same examination session.

The student will be informed of the time and place of the resit as soon as possible after the regular examination takes place.

7.7.14 Cheating, plagiarism and disruptive behaviour at examinations

Cheating

Cheating in exams according to the Examination Executive Order occurs, inter alia, when the student

- 1) plagiarises, including reusing one's own text (self-plagiarism) without citing sources and quotation marks,
- 2) engages in forgery,
- 3) lies or misleads about their own efforts or results,
- 4) engages in unauthorised collaboration,
- 5) receives or tries to receive help during an exam or test, or helps others when it is not a group test,
- 6) uses unauthorised aids,
- 7) has unlawfully gained prior knowledge of the exam assignment,
- 8) provides incorrect attendance information, or
- 9) attempts to circumvent, de-activate or otherwise obstruct the intent of the educational institution's use of electronic monitoring programs.

Cheating in exams means that the student does not get their answer graded and is marked as having used an exam attempt.

The student may also receive a written warning. In aggravating circumstances or in repeated cases, the Architectural Technology and Construction Management programme can also decide that the student is temporarily or permanently expelled from the Architectural Technology and Construction Management programme.

Disruptive behaviour

During the exam and test, the student must act considerately, including complying with the instructions given by the examination supervisor, examiner and censor. Where a student exhibits disruptive behaviour during an examination, Architectural Technology and Construction Management programme staff may exclude the student from the examination.

7.7.15 Complaints and appeals regarding examinations

Complaints about examination conditions

The student has the right to continue in the course of study while the complaint or appeal case is being processed by the Architectural Technology and Construction Management programme in cases of examination complaints submitted in accordance with Section 40 or Section 43 of the Examination Executive Order.



A complaint regarding ongoing exams can only be submitted as part of a complaint about an exam in the education programme element.

The student can submit a written complaint to the Architectural Technology and Construction Management programme concerning legal and academic issues, including the examination process, an exam in an education programme element or part of an exam. The appeal deadline is 2 weeks after the assessment has been announced. The appeal deadline is calculated from the earliest time when the Architectural Technology and Construction Management programme has stated that the assessment will be announced.

If the complaint concerns professional issues, the Architectural Technology and Construction Management programme immediately requests the assessors give an opinion. The assessors must prepare the statement within a period of 2 weeks. The month of July is not included in the calculation of the deadline. The assessors must give their opinion on the professional issues in the complaint. The complainant must have the opportunity to comment on the statements within a period of at least 1 week.

The Architectural Technology and Construction Management programme can extend the assessors' deadline if there are special circumstances. The Architectural Technology and Construction Management programme represented by the head of the education programme, makes a decision based on the complaint, the assessors' professional and academic statements and the complainant's comments, if any.

The decision could be:

- 1) an offer of a new assessment of a written assignment (reassessment),
- 2) an offer of a new exam (resit),
- 3) that the complainant is not successful in the complaint, or
- 4) a combination of 1-3, if the exam includes a written assignment with an oral *viva*.

Academic and/or professional questions regarding a decision of the educational institution can be brought before an appeals board. Legal questions can be brought before the Danish Agency for Higher Education and Science.

The student submits their written appeal to the institution no later than 2 weeks after the student has received the Architectural Technology and Construction Management programme's decision.

Appeals regarding examination conditions

The Board of Appeal at the Architectural Technology and Construction Management programme is established on a case-by-case basis. The Board of Appeal consists of 2 appointed censors, 1 entitled-to-hold-exams teacher and 1 student within the Architectural Technology and Construction Management programme's subject area.

The Board of Appeal makes a decision in the case based on the material which formed the basis for the Architectural Technology and Construction Management programme's decision and the student's complaint. The board's decision must be communicated to the Architectural Technology and Construction Management programme and the complainant, no later than 2 months after the complaint has been submitted. The month of July is not included in this calculation.

The Board of Appeal's decision may be the following:

- Offer for a new assessment (reassessment) (only applies to written exams)
- Offer for a new exam (retest)
- Not approved or
- A combination of the three options above, if the exam includes a written assignment response with an oral *viva*.



Academic and professional questions regarding the Board of Appeal's decision cannot be brought before another administrative authority.

Legal questions regarding the Board of Appeal's decision can be brought before the Architectural Technology and Construction Management programme, which makes the decision. The complaint must be submitted to the Architectural Technology and Construction Management programme no later than 2 days after the student has received the decision from the Architectural Technology and Construction Management programme.

The decision of the Architectural Technology and Construction Management programme can be submitted to the Danish Agency for Higher Education and Science in accordance with the rules in Section 48 of the Examination Executive Order.

Reassessment or retesting

It must be clear in an offer of reassessment or retesting that such reassessment or retesting may result in a lower grade.

If the decision includes an offer of reassessment or retesting, the offer must be accepted no later than 2 weeks after the decision has been announced. Reassessment or retesting must take place as soon as possible.

The Architectural Technology and Construction Management programme must include any examination certificates issued.

New assessors are appointed for both reassessment and retesting. However, the censor chairperson appoints an external censor, if warranted.

The new assessors must assess the answer based on the assignment text and the answer. The new assessment must be accompanied by a written justification.

Academic and professional questions during reassessment or retesting cannot be brought before the Architectural Technology and Construction Management programme again or another administrative authority. Legal questions can be brought before the Architectural Technology and Construction Management programme, which makes a decision.

The decision of the Architectural Technology and Construction Management programme on legal issues regarding reassessment or retesting can be submitted to the Danish Agency for Higher Education and Science in accordance with the rules in Section 48 of the Examination Executive Order.

Complaint to the Danish Agency for Higher Education and Science

The final decisions of the Architectural Technology and Construction Management programme can be submitted to the Danish Agency for Higher Education and Science when the complaint concerns legal issues. The appeal deadline is 2 weeks from the day the decision is communicated to the complainant.

The complaint is submitted to the Architectural Technology and Construction Management programme, which prepares a statement, which the complainant must have the opportunity to comment on within a period of at least 1 week. The Architectural Technology and Construction Management programme then sends the entire case to the board for consideration.



7.7.16 Requirements for projects and written assignments

Format requirements

- The student's name and student number must be clearly indicated on all examinable material submitted;
- Project work means drawings, descriptions and reports prepared as digital material in a commonly readable digital format;
- All digital material must be printable and must be representative of the examinable material. Drawings must indicate which format is representative of the examinable material and which is representative of a fixed measurable drawing.

Reports are written material that must include:

- cover page;
- title page (the institution's pre-printed form);
- forward (if any);
- abstract;
- list of contents;
- list of illustrations (if any);
- introduction, including problem statement;
- main section, including any project documentation;
- conclusion;
- list of sources;
- any annexes, perhaps including drawings.

For the purposes of written assignments on the Architectural Technology and Construction Management programme, a standard page consists of 2,400 keystrokes. Everything from introduction to conclusion inclusive counts toward the page total.

References and quotations

Quotations must be shown as described in this section.

Short quotations (fewer than 20 words) in written assignments and projects on the Architectural Technology and Construction Management programme must be reproduced in quotation marks and in italics.

Long quotations (more than 20 words) in written assignments and projects on the Architectural Technology and Construction Management programme must be reproduced with an indented margin, with a blank line both above and below, and in italics.

Correct source referencing in written assignments and projects on the Architectural Technology and Construction Management programme must be presented as follows:

- (Author's surname, year of publication, page number(s) if appropriate).
- References to digital sources are to be presented as above where possible, but otherwise the full link is to be referenced.
- References are to be placed in parentheses, following on from the body text.
- Incorrect or missing source referencing will be treated an error in the assignment or written project and may also be subject to a plagiarism investigation.



8.8 Teaching and working formats on the programme

The Architectural Technology and Construction Management programme relies on Problem-Based Learning (PBL). This means that each compulsory programme element revolves around one interdisciplinary semester project. As they work on the problems presented in the project, students develop and demonstrate the knowledge, skills and competencies acquired across the subject areas of the semester. In order to give students the best possible preparation for the profession, work takes place primarily in groups.

Other teaching and working formats are organized around the project work. Theory is taught primarily at the beginning of the compulsory programme element, as it is to be seen as contributing generally to the theme of the semester and the professional orientation of the programme. Moreover, the student has considerable scope, alone and in collaboration with fellow students, to seek out and process specific material that may be relevant to the completion of the project.

Teaching differentiation guidelines

On the Bachelor's Degree Programme in Architectural Technology and Construction Management at VIA University College, teaching is differentiated on the basis of student's prior qualifications and experience as follows:

- project work in the form of groupwork;
- individual supervision;
- teaching materials including e-learning objects
- special teaching provision;
- elective programme elements;
- choice of specialization (Structural Design or Construction Management);
- choice of local programme elements (professional specialization);

8.9 Study activity

Attendance at Elective 1 and the internship is compulsory.

The student is required to be in active study. A student on the Architectural Technology and Construction Management programme is regarded as in active study provided he or she:

- submits the compulsory assignments;
- participates in programme-related meetings and supervision sessions, including timetabled teaching activities;
- sits the examinations.

As the programme is predominantly project based and includes a large amount of groupwork, it is important to the student's learning that he or she participates in the learning environment at the institution.

The learning environment is defined by a number of parameters that may be the subject of dialogue with the individual student about study activity. The guidelines mentioned above may be regarded as requirements, while those set out below may be regarded as advisory but equally essential if the educational environment of the programme is to work for students and supervisors:

- well-prepared attendance at timetabled teaching activities;
- participation in and contribution to groupwork;
- keeping oneself informed, including responding to College email and to content on the learning management platform (ItsLearning).



Experience generally shows that the above parameters contribute to a good study environment.

Inadequate study activity may affect the student's entitlement to a maintenance grant (*Statens Uddannelsesstøtte* or SU).

Should a student not have passed at least one examination on the Architectural Technology and Construction Management programme in a contiguous period of at least 1 year, the student will be disenrolled from the programme in accordance with the regulations set out in the Executive Order on Admission. The student will be informed of their inadequate study activity before being disenrolled.

A student may ask the teaching team for information about his or her own study activity at any time.

8.10 Reading foreign-language texts

The Bachelor's Degree Programme in Architectural Technology and Construction Management is taught in English.

English-language texts may be encountered during the programme. Understanding these texts may be a pre-requisite for attaining some of the learning objectives. The texts will normally be at English level B.¹

8.11 Transfer between programmes and between institutions

Transfer between programmes

Should a student on another programme wish to transfer to the VIA University College Bachelor's Degree Programme in Architectural Technology and Construction Management, he or she should apply to the Architectural Technology and Construction Management programme. See the requirements regarding applying for credit transfer in a previous section.

Transfer to the Architectural Technology and Construction Management programme requires entitlement to credit for a minimum of one complete programme element. Transfer to the Architectural Technology and Construction Management programme also requires the student to be enrolled on another higher education programme at the same level as the Architectural Technology and Construction Management programme or higher.

Transfer to the Architectural Technology and Construction Management requires there to be places available on the stage of the VIA University College Architectural Technology and Construction Management programme that the student wishes to join.

Transfer between institutions

Transfer to the VIA University College Architectural Technology and Construction Management programme from the same programme at another Danish educational institution is not possible until the student has passed examinations corresponding to the first academic year of the Architectural Technology and Construction Management programme.

Transfer requires there to be places available on the stage of the VIA University College Architectural Technology and Construction Management programme that the student wishes to join.

¹ <https://ufm.dk/uddannelse/anerkendelse-og-dokumentation/find-vurderinger/eksamenshaandbogen/regler-og-raad/fagniveauer>



Applying for transfer between programmes or institutions

Applications to transfer to the VIA University College Architectural Technology and Construction Management programme from another programme or institution must be submitted to Student Administration no later than 14 days prior to the beginning of the programme element.

The application must include:

- applicant's full name;
- applicant's CPR (Social Security) number;
- traNSEript of marks from the Architectural Technology and Construction Management programme;
- admission qualifications;
- the desired start date.



8.12 Leave of absence

A leave of absence means that a student cannot participate in classes and exams during the period of leave, but the student is still enrolled in the education programme. This means that the student cannot be enrolled in other full-time education programmes during the period of leave. After the period of leave ends, the student re-enters from the point in the education programme when the period of leave commenced insofar as is possible

If it is not possible to re-enter the education programme from the time when the period of leave commenced, the education programme will, insofar as is possible, help to put together a course of study with other elements of the education programme instead, so the student's education programme is not extended. Where this can be done, teaching-free periods may occur.

The student is obliged to participate in teaching again immediately after the end of the leave of absence, and the student is not entitled to be able to complete the education programme according to the study plan that was in force when the student commenced leave, if a new study plan has been implemented in the meantime.

Leave is granted upon application. Leave can be granted at the earliest when the student has passed the exams after the first year of study, unless other circumstances affect the student's "right to leave", or the education programme grants a dispensation from the rule, which must be justified in exceptional circumstances.

For students studying on a top-up education programme, leave can be granted at the earliest when the student has passed the first semester.

As a leave of absence is a period when the student is inactive from the education programme, a student is not entitled to the Danish state's study stipend (SU) during periods of leave. Periods with or without study activity during which the student receives SU – including *fødselsklip* and/or *miksklip* (extra SU in relation to pregnancy, birth or adoption) – are termed parental leave and are not covered by this provision.

If a student wishes to cut short a leave of absence, this can be done after applying to the education programme.

Right to a leave of absence in exceptional circumstances

Regardless of the time in the education programme, a student has the right to a leave of absence if it is due to parental leave, adoption or conscription.

Leave due to parental leave or adoption can be granted for up to 12 months, ending no later than 12 months after the date of birth or adoption. The reason for the leave must be documented with a birth certificate, travel record, adoption certificate or other relevant documentation.

Leave due to parental leave, adoption or conscription is deducted when calculating the maximum study time.

Other leaves of absence

Unjustified leave can be granted at the earliest when the student has passed first year of study.

In addition, leave periods can only be granted for entire elements of the education programme or/and an entire semester.



If the student is granted an unjustified leave of absence, the period is included in the calculation of the maximum study time.

Parental leave, adoption and conscription

Application for leave based on documented parental leave, adoption or conscription must be accepted by The Architectural Technology and Construction Management programme. The end of the period of leave should be planned in such a way that teaching-free periods are as few and as short as possible for the sake of the student, including the student's right to the study stipend (SU).

Applying for leave of absence

An application for leave must be in writing and justified. The Architectural Technology and Construction Management programme may require that the application be completed on a separate form, including digitally.

For leave that is not based on parental leave, adoption or conscription, it also applies that leave can only be applied for when the student has passed the exam(s) corresponding to the first year of study.

Applications for leave cannot be made in arrears, and must be submitted at least 14 days before the commencement of the period of leave.

8.13 Parallel study programmes

The Architectural Technology and Construction Management programme offers parallel study programmes leading to Double Degrees.

The VIA Architectural Technology and Construction Management programme has collaboration agreements on exchange visits with a number of institutions in many parts of the world, and on the option of following a Double Degree programme with the following:

- Universitat Politècnica de Valencia (Spain)
- Universitat Politècnica de Catalunya, Barcelona (Spain)
- Kaunas University of Applied Engineering Sciences (Lithuania)

A double degree pathway enables the student to gain both a VIA Bachelor's Degree in Architectural Technology and Construction Management and a fully recognized degree from a foreign institution

The pathways available are described below. More information on a particular pathway may be found in the collaboration agreement.

It should be noted that some of these pathways entail prolonging the programme. This may mean that the student is not entitled to a maintenance grant for the full duration of the programme.

Universitat Politècnica de Valencia

At the *Universitat Politècnica de Valencia*, the student will also gain the degree of Bachelor in Technical Architecture.

If the student starts in the autumn (August), he/she must complete Semesters 1-5 on the VIA Architectural Technology and Construction Management programme under this curriculum. The student will then complete Semesters 6-8 at the foreign institution, taking the following modules:

- Prevention and Safety I
- Construction Equipment Management
- Budget Management Techniques
- Building Project I



- Building Project Execution
- Construction Technology V
- Construction Technology VI
- Building Inspection and Property Valuation
- Quality Control in the Building Process
- Prevention and Safety II
- Building Project II
- Project Management
- Practical internship I
- Practical internship II
- Bachelor Final Project

This double degree pathway means that the overall programme duration is 4 years.

If the student starts in spring (February), he/she must complete Semesters 1-6 on the VIA Architectural Technology and Construction Management programme under this curriculum. The student will then complete Semesters 6-8 at the foreign institution, taking the following modules:

- Prevention and Safety I
- Construction Equipment Management
- Budget Management Techniques
- Building Project I
- Building Project Execution
- Construction Technology V
- Construction Technology VI
- Building Inspection and Property Valuation
- Quality Control in the Building Process
- Prevention and Safety II
- Building Project II
- Project Management
- Bachelor Final Project
- Electives from year 4 (optional)

This double degree pathway means that the overall programme duration is 4½ years.

Universitat Politècnica de Catalunya, Barcelona

At the *Universitat Politècnica de Catalunya, Barcelona, Spain*, the student will also gain a Bachelor's Degree in Architectural Technology and Building Construction.

This option is available only to students starting in the autumn (August). The student will complete Semesters 1-6 on the VIA Architectural Technology and Construction Management programme under this curriculum. The student will then complete Semesters 6-8 at the foreign institution, taking the following modules:

- Construction materials II
- Expression III
- Quality in Building Process
- Historical Study and Graphic Representation for Rehabilitation
- Diagnosis for Rehabilitation
- Rehabilitation Projects
- Bachelor's Final Project (including a workshop at one of EPSEB's laboratories + Dissertation)



This double degree pathway means that the overall programme duration is 4 years.

Kaunas University of Applied Engineering Sciences

At *Kaunas University of Applied Engineering Sciences*, the student will also gain a Professional Bachelor's Degree in Civil Engineering.

This option is available only to students starting in the autumn (August). The student will complete Semesters 1-4 on the VIA Architectural Technology and Construction Management programme under this curriculum. The student will then complete Semesters 6-7 at the foreign institution, taking the following modules:

- Construction Calculation
- Sustainable Renovation Technology
- Sustainable Construction Technology
- Methodology of Applied Research
- Renovation/Conversion Project
- Practical internship
- Bachelor's Final Examination Project
- Dissertation

This double degree pathway means that the overall duration of the programme is 3½ years.

Applications to take part in parallel study must be lodged by registering with the VIA online registration system, MoveOn, no later than 1 June (for the autumn semester) or 1 November (for the spring semester).

The applicant must use the appropriate application form (available on Studienet) to provide:

- personal details;
- emergency contact details;
- educational background and desired study visit;
- language skills;
- special requirements.

The applicant must also upload a traNSEript of records in English, a copy of his/her passport or other picture ID, language test certificate (if any), covering letter (if any) and CV (if any).

Further information on parallel study may be obtained from the student advisor or the International Office.

8.14 Waivers

The Architectural Technology and Construction Management programme may waive the regulations in the shared and institutional parts of the present curriculum set by the VIA University College Architectural Technology and Construction Management programme, or set nationally in collaboration with other providers of the Architectural Technology and Construction Management programme, when this is found to be justified by exceptional circumstances.

8.15 Entry into force and transitional arrangements

See also the national section of the curriculum:

The national part of the curriculum enters into force on 1 January 2020.



The institutional part of the curriculum enters into force on 1 September 2022.

The August 2016 curriculum expires simultaneously.

8.16 Legal basis

- 1) The present curriculum has been laid down on the basis of:
- 2) The Academy Profession Degrees and Professional Bachelor's Degrees Act (most recently promulgated in Statutory Order No. 790 of 10/12/2019)
- 3) The Executive Order on Technical and Commercial Academy Profession Degree Programmes and Professional Bachelor's Degree Programmes (Executive Order No. 457 of 19/04/2022)
- 4) The Executive Order on Admission to Academy Profession and Professional Bachelor's Degree Programmes (Executive Order No. 87 of 25/01/2023)
- 5) The Executive Order on Examinations on Vocational Higher Education Programmes (Executive Order No. 863 of 14/06/2022)
- 6) The Executive Order on Marking Schemes (Executive Order No. 1125 of 04/07/2022).