

CURRICULUM  
for  
IT Technology

Part III: The electives' catalogue.

Commencement 01.08.2022.



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This curriculum is part of the national curriculum and the institutional part and they must be used together. The national part of the curriculum is the same for all academies that offer this programme, while the institutional part of the curriculum and the electives' catalogue are specific to Business Academy Aarhus.

## 1. The electives' catalogue.

On the programme the electives are weighted 5 ECTS. Elective elements, learning objectives and the criteria for assessment are described in this elective's catalogue.

The following elective is available:

- Data Processing

Students may also follow electives at other institutions provided that they pay for their own transportation, overnight accommodation, etc.

### Summer and winter school

It is also possible to choose a summer school or winter school as an elective. The selected summer or winter school must be approved by the programme's head of department before you leave so that prior credit approval can be obtained. Upon approval of the prior credit approval, the programme element is considered completed if it is passed according to the rules of the programme.

The International Office can be contacted for further information.

## 2. Elective exams

When starting on a programme element, semester, etc., the students will automatically be registered for the relevant exams. Registration for an exam means that one exam attempt has been used. This does not apply to students who are unable to attend the examination due to a documented illness or maternity/paternity leave.

It is always the responsibility of the student to ensure that they have internet access during the exam and that their computer is functional.

All exams are held in English. For all international programmes, all exams are conducted in English.

### 2.1. Completion of the exams

In general, the following applies for all programmes in relation to when an exam has been completed or an exam attempt has been used. If there are deviations for a specific exam, they will appear in the individual exam descriptions below.

#### Pass / fail exams

If a student has not achieved the mark 02 or higher for an oral or written exam or a combination of this, the exam will not be passed and one exam attempt will have been used.

If exam project was prepared by one student and not passed, the student can choose to work further on the existing project or prepare a new project.

In the event of one student, as part of a group project, not achieving the mark 02 or above, the student can rewrite their section of the joint project, provided the exam is individualised. The student can also choose to write a new project alone, where the rules for the scope and guidelines for individually produced projects apply.

### **Project not handed in/written answers**

If a student does not hand-in their exam project or a written report, one exam attempt will have been used.

The student can choose to work further on their existing project or prepare a new project.

### **Not participated in the exam/oral examination**

If a student hands in their exam project or written answers, but doesn't participate in the oral exam, one exam attempt will have been used.

A new oral exam will be scheduled as soon as possible and the student will be examined in the previously handed in project.

### **Illness and re-examinations**

Information about the time and place of illness/re-exams can be found on Study Update. This may be the same as the next regular exam. The student is responsible for finding out when the sick and re-exams take place.

#### *Sick exams*

A student who has been prevented from taking an examination due to a documented illness or another unforeseen circumstance will be given the opportunity to take a (illness) exam as soon as possible. If it is an exam that is scheduled in the programme's last examination period, the student will be given the opportunity to retake the exam in the same examination period or as soon as possible after.

The illness must be documented by a doctor's certificate. The Academy must receive the doctor's certificate no later than three working days after the examination. Students who become acutely ill during an exam must prove that they have been ill on that day.

If the illness is not documented according to the above rules, the student will have used one examination attempt. The student must pay the cost of the doctor's certificate. Requirements for the doctor's certificate can be found on Study Update under 'Worth knowing about exams'.

### *Re-examination*

With a failed exam, or failure to appear for an exam, the student is automatically registered for the re-examination, provided that the student has an exam attempt left. The student is registered to take the exam the next time it is scheduled. The re-examination may be the same as the next regular exam.

The programme may grant an exemption from the automatic registration to an exam provided this is justified by exceptional circumstances, including documented disabilities.

## **3. Elective on the programme**

### **3.1. Data Processing**

#### **Content**

The subject element deals with data modelling, the creation and implementation of databases and combining data into intelligent information.

#### **Learning objectives for Data Processing**

#### **Knowledge**

The student will gain knowledge about:

- practice and applied theory and methods in the field of data processing in terms of database solutions
- the industry's use of theory and methods in data processing solutions.

#### **Skills**

The student will get the skills to:

- apply multiple common tools and RDBMS applications for database design
- design, implement and test relational databases using SQL language
- evaluate real-life problems in the field of data processing based on a database solution and communicate real-life data processing issues as well as possible solutions to business partners and users

#### **Competencies**

The student will learn to:

- manage development-orientated situations, suggest and implement appropriate data processing solutions

- participate in interdisciplinary collaboration within the field of data processing with a professional approach
- in a structured context, acquire new knowledge, skills and competencies in relation to the profession

### **ECTS weight**

The subject element Data Processing is weighted 5 ECTS credits.

### **The exam form and organisation including any formal requirements**

The exam is a written technical report based on a given assignment, which is based on the courses' learning objectives.

The report may be written in groups of maximum 2 students.

The report, must at least contain:

- Front page with title
- Table of contents
- Introduction
- Main section
- Conclusion
- Bibliography (including all sources that have been referenced)
- Appendices (only include appendices essential to the report)

The report must be 5 standard pages if it is written by one student and 8 standard pages if written by two students.

One standard page is 2400 keystrokes which includes spaces and footnotes. Cover page, table of Contents, bibliography and appendices are not included.

### **Prerequisites for the exam – active attendance and submission requirements**

In order for the student to take the exam, the contents of the written report must be credible. The assignment must meet formal requirements and be timely and properly submitted (see Study Update).

It is a prerequisite for taking the oral exam that students confirm their responsibility for the preparation of the project with their signature, this is done when the project is uploaded in WISEflow.

**Criteria for assessment and co-examiner**

The report is assessed according to the 7-point scale and has an internal co-examiner.

**4. The use of aids and assistance**

During exams, all aids and assistance, including electronic devices, are allowed, unless a ministerial order or curriculum for the specific programme specifies restrictions for use.

Any rules for limitations in the use of aids will be apparent from the description of the individual exam.

**5. Commencement**

The elective's catalogue is valid from 01.08.2022, and at the same time the elective's catalogue from 10.12.2018 is no longer valid.