Computer Science

Curriculum

for the Academy Profession Degree Programme in Computer Science

(Erhvervsakademiuddannelse inden for informationsteknologi)

Institutional part
In force from September 2022

UCN **PROFESSIONSHØJSKOLEN**

Contents

Please note that this is a translation of a Danish curriculum. The translation is intended for information purposes only. In the event of any discrepancy between the translation and the original Danish text, the Danish text shall prevail.

1. Institutional Curriculum for Computer Science

The curriculum for the programme comprises two parts (sets of regulations):

- The National Part of the Curriculum, which has been jointly prepared by the educational institutions authorised to provide the study programme.

- This Institutional Part which has been laid down by University College of Northern Denmark (UCN) and has been designed to accommodate local and regional needs.

This Institutional Part of the Curriculum was prepared in accordance with:

- The Danish Ministerial Order on Academy Profession Degree Programmes and Professional Bachelor Degree Programmes. (Danish: 'Bekendtgørelse om erhvervsakademiuddannelser og professionsbacheloruddannelser')

- The Danish Ministerial Order on Technical and Commercial Academy Profession Degree Programmes and Professional Bachelor Degree Programmes (Danish title: 'Bekendtgørelse om tekniske og merkantile erhvervsakademiuddannelser og professionsbacheloruddannelser')

- The Danish Ministerial order on Examinations in Academy Profession Degree Programmes and Professional Bachelor Degree Programmes (Danish: 'Bekendtgørelse om eksamener og prøver ved professions- og erhvervsrettede videregående uddannelser')

- The Ministerial Order on the Grading Scale and Other Forms of Assessment in Education Programmes under the Ministry of Higher Education and Science (Danish: 'Bekendtgørelse om karakterskala og anden bedømmelse ved uddannelser på Uddannelses- og Forskningsministeriets område; also known as karakterbekendtgørelsen').

The following sections of the Examination Regulations for UCN's Undergraduate Programmes constitute a rider to this Institutional Curriculum and have the same validity as the other stipulations of the Curriculum.

- Subsection 4.5: Withdrawal from exams

- Section 13: Exam complaints and appeals

- Subsection 14.1: The use of one's own work and the works of others

- Subsection 14.2: Disciplinary actions in events of academic misconduct and disruptive behaviour during exams

2. Overview of the programme

Sem.	National subject elements	Local subject elements	Electives	ECTS	Internal/ external assessment
1	Academic Aptitude Exam			0	Internal
1 and 2	Programming			30	External
	Systems Development			15	
	Understanding Business			10	
	Technology			5	
3	Programming 2			10	External
	Technology 2			10	
	Systems Development 2			10	Internal
4			Electives	30	Internal
5	Internship			15	Internal
	AP degree project			15	External
Total ECTS credits:				**150**	

The national subject elements of the programme are described in the national part of the Curriculum.

3. Electives

The programme features elective elements worth 30 ECTS credits.

3.1.1 Electives: Specialisation

3.1.2 Description and language of delivery

The Specialisation elective in the computer science programme goes on throughout a whole semester and is worth 30 ECTS credits. Students select a case within their particular field of interest. Students answer and write their cases in collaboration with a business who will deliver the case. A number of workshops will be held for various specialisations, and students can choose to join depending on the content of their case. The workshops will present different technologies and theories that will contribute to enabling students to write their case study. The Specialisation elective gives students the

opportunity to qualify their study skills and professional abilities by allowing them to specialise and put subjects that are broadly related to the field of IT into a wider context.

The language of delivery is English.

3.1.3   Learning objectives

Knowledge

The student has acquired knowledge of:

- the theory and practice of the selected subjects
- the selected subjects' relevance to information technology.

Skills

On completion, students should have acquired the skills to:

- select, describe and perform literature searches for a problem or issue of their own choice within the field of IT
- discuss process-related and analytical skills relating to the selected topic(s)
- assess problems and propose solutions relating to the selected topic(s)
- communicate key results.

Competencies

On completion, students should be able to:

- autonomously acquaint themselves with new topics within the theory and/or practice of the subject field
- contextualise and relate the selected topics(s) to the other subject fields of the study programme.

3.1.4   ECTS weight

Specialisation is worth 30 ECTS credits.

3.1.5   Number of exams

One exam will complete the element.

3.2 Elective: self-organised elective

3.2.1 Description and language of delivery

For the self-organised elective, a student plans their own semester, which must be worth 30 ECTS credits. The planned semester must be approved by the semester coordinator. The self-organised elective elements give the student the opportunity to qualify their study skills and professional abilities by allowing them to specialise and put subjects that are broadly related to the field of IT into a wider context.

The language of delivery is English.

3.2.2 Learning objectives

Knowledge

The student has acquired knowledge of:

- the theories and practices of the selected subjects
- the selected subjects' relevance to information technology.

Skills

On completion, students should have acquired the skills to:

- select, describe and perform literature searches for a problem or issue of their own choice within the field of IT
- discuss process-related and analytical skills relating to the selected topic(s)
- assess problems and propose solutions relating to the selected topic(s)
- communicate key results.

Competencies

On completion, students should be able to:

- autonomously acquaint themselves with new topics within the theories and/or practices of the subject field
- contextualise and relate the selected topics(s) to the other subject fields of the study programme.

3.2.3 ECTS weight

The self-organised elective is worth 30 ECTS credits.

3.2.4 Number of exams

One exam will complete the element.

4.   Exams in semester 1

4.1   Academic Aptitude Exam

4.1.1   Scheduled time

The Academic Aptitude Exam will take place no later than two months after studies have commenced. A resit exam can take place up to three months after studies have commenced.

4.1.2   ECTS weight

The exam is worth 0 ECTS credits.

4.1.3   Exam procedure

4.1.3.1   Exam description

The exam is an individual, internally-assessed, written on-site exam based on the student's reflections on study start.

The exam takes as its starting point the teaching and learning activities completed between study start and the date of the exam.

In writing, the student must answer a number of questions about the activities that took place in the stated period. The exam will take as its starting point the student's knowledge of UCN's learning approach, study programme administration as well as student rights and obligations.

4.1.3.2   Exam method

 Multiple choice test.

4.1.3.3   Exam aids

Exam aids are allowed for the Academic Aptitude Exam.

4.1.3.4   Exam language

English

4.1.4   Assessment

The purpose of the Academic Aptitude Exam is to clarify whether a student has in fact commenced their study.

The Academic Aptitude Exam is assessed internally and will be assessed 'passed' or 'failed'.

4.1.5 Resit exam

If a student does not pass the Academic Aptitude Exam, a resit will be offered. This way, students have two attempts at passing the Academic Aptitude Exam.

If a student fails a resit of the Academic Aptitude Exam, their enrolment as a student will be terminated.

On the grounds of exceptional circumstances, UCN may exempt a student from either of these requirements: passing the Academic Aptitude Exam, passing the Exam before the official deadline, or using more than two attempts to pass the Exam.

5. Exams in semester 2

5.1 The exam testing the national subject elements: Programming, Systems Development, Technology and Understanding Business

5.1.1 Scheduled time

The exam will take place at the end of semester 2.

Students must take this exam before the end of their first year of study after commencing studies, and they must have passed it before the end of their second year of study after commencing studies in order to progress in the programme. This applies no matter how many exam attempts have been used. However, a student must have had the opportunity to sit the exam twice during their first year of study before their enrolment can be terminated.

If a student has had the opportunity to sit the exam at least twice during their first year of study after commencing studies but has not taken the exam before the end of their first year of study after commencing their studies, or if they have not passed the exam before the end of their second year of study after commencing their studies, their enrolment will be terminated.

However, UCN may grant exemption from the deadlines above if exceptional circumstances are found to exist.

5.1.2 ECTS weight

The exam is worth 60 ECTS credits.

5.1.3 Conditions for attending the exam (examination prerequisites)

Students must meet the following requirements to sit the First-Year Exam:

- Preparation of a project report and participation in the assessment of 'Mini Project Requirements'

The project report for the Mini Project Requirements must meet the formal requirements below, and it must be submitted in due time according to the submission date announced on the Intranet.

- o Cover page and title
- o Introduction
- o Main section
- o Conclusion
- o Reference list
- o Appendices (only include appendices that are key to the report)

- Preparation of project report and participation in the assessment of 'Mini Project Requirements'.

The project report for 'Mini Project Design' must meet the formal requirements, see Mini Project Requirements above, and be submitted in due time according to the submission date announced on the Intranet.

- Preparation of project report and participation in the assessment of the First-Semester Project.

The project report for the First-Semester Project must meet the formal requirements, see Mini Project Requirements above, and be submitted in due time according to the submission date announced on the Intranet. Furthermore, the following must be included:

- o an indication of the path and revision number to the version control server where the source code and executable code for the product can be downloaded.

- Preparation of project report and participation in the assessment of 'Mini Project Persistence'.

The project report for 'Mini Project Persistence' must meet the formal requirements, see Mini Project Requirements above, and be submitted in due time according to the submission date announced on the Intranet.

- Preparation of the project report for the First-Year Exam.

The project report for the First-Year Exam, which makes up the written exam component, must meet the following formal requirements and be submitted in due time according to the submission date announced on the Intranet.

- o Cover page with title
- o Table of contents
- o Introduction, including problem statement
- o Main section

- o Conclusion

- o Reference list (including all sources referenced in the project)

- o Appendices (only include appendices that are key to the report)

- o An indication of the path and revision number to the version control server where the source code and executable code for the product can be downloaded.

The maximum length of the project report for the First-Year Exam is 40 standard pages. The cover page, table of contents, reference list and appendices do not count towards the limit. Appendices are not assessed. The source code is part of the examination basis.

One standard page is 2.400 characters, including spaces and footnotes. The cover page, table of contents, reference list and appendices do not count towards the limit.

If a student does not meet all the examination prerequisites or prepares a make-up assignment, the student will have used an exam attempt and will then have one less exam attempt remaining to pass the exam.

To remedy missing examination prerequisites, the student will receive a make-up assignment before the exam.

All exam prerequisites must have been met before a student can attend the exam of a particular educational element.

If a student does not satisfy all examination prerequisites at the time of the ordinary exam for that particular educational element, the student cannot attend the exam. As a consequence, the student will have used an exam attempt and will have two exam attempts remaining for passing that particular exam.

5.1.4   Exam organisation and details

5.1.4.1   Exam type

For details about the procedure for this exam, please see the Examinations Catalogue for the Computer Science Programme, which can be found online on www.ucn.dk/english .

The exam is a combined group and individual oral exam based on a written group project.

A group may have up to 5 members. Only under special conditions can a student be granted permission to prepare the project individually.

The written and oral performances are assessed as a whole, leading to a single grade.

5.1.4.2   Exam aids

Exam aids are allowed.

5.1.4.3 Examination language

The exam will be conducted in English.

5.1.5 Assessment

The assessment criteria for the exam are the learning objectives for the national subject elements: Programming, Systems Development, Understanding Business, and Technology. The learning objectives are described in the national part of the Curriculum.

The exam will be externally assessed.

The exam is assessed and graded according to the 7-point grading scale.

5.1.6 Resit exam

For the purposes of the resit, it will be decided whether the student(s) should:

A. Be assessed according to the same rules as those applying to the previous exam and based on the original written product.

B. Submit a new written supplement to the report before the expiry of a set deadline.

If the project was individually prepared, a revised report may be submitted. The same applies to a group project if the entire group of students will be attending the resit.

If one or more of the students who wrote a group project will have to do a resit, they must submit a supplement to the original report with clear indications of which students wrote the individual parts of the supplement.

C. Submit a new written product before the expiry of a set deadline and be assessed according to the same rules as those applying to the previous exam but on the basis of a new project.

6. Exams in semester 3

6.1 The exam testing the national subject elements: Programming 2 and Technology 2

6.2 Scheduled time

The exam will take place at the end of semester 3. Further information about the time and venue can be found on the Intranet.

6.2.1 ECTS weight

The exam is worth 20 ECTS credits.

6.2.2 Conditions for attending the exam (examination prerequisites)

Students must meet the following requirements to sit the exam:

- submit a written product to constitute the technical documentation of the project as well as a software product. The written product, which makes up the basis of both the assessment and the exam, must meet the formal requirements (see below) and be submitted in due time according to the submission date announced on the Intranet.

  - Cover page with title

  - Introduction

  - Architecture considerations

  - Communication and middleware

  - Dealing with concurrency issues

  - Conclusion

  - Reference list

  - Appendices, if any

The allowed maximum length of the technical documentation is 20 standard pages. The cover page, table of contents, reference list and appendices are not included in the maximum number of pages. Appendices are not assessed.

One standard page is 2.400 characters, including spaces and footnotes. The cover page, table of contents, reference list and appendices do not count towards the limit.

All examination prerequisites must have been met before a student can attend the exam of a particular educational element.

If a student does not satisfy all examination prerequisites at the time of the ordinary exam for that particular educational element, the student cannot attend the exam. As a consequence, the student will have used an exam attempt and will have two exam attempts remaining for passing that particular exam.

6.2.3 Exam organisation and details

6.2.3.1 Examination type

For details about the procedure for this exam, please see the Examinations Catalogue for the Computer Science Programme, which can be found online on www.ucn.dk/english .

The exam is an oral exam based on a written group project.

The exam is organised as an individual exam.

A group must have 3–5 members. This requirement can only be waived in exceptional cases.

The project must treat the subject of the development of a distributed system.

The written and oral performances are assessed as a whole, leading to a single grade.

6.2.3.2   Exam aids

Exam aids are allowed, although not for the oral part of the exam.

6.2.3.3   Examination language

The exam will be conducted in English.

6.2.4   Assessment

The assessment criteria for the exam are the learning objectives for the national subject elements: Programming 2 and Technology 2. The learning objectives are described in the national part of the Curriculum.

The exam will be externally assessed.

The exam is assessed and graded according to the 7-point grading scale.

6.2.5   Resit exam

For the purposes of the resit, it will be decided whether the student(s) should:

A. Be assessed according to the same rules as those applying to the previous exam and based on the original written product.

B. Submit a new written supplement to the report before the expiry of a set deadline.

If the project was individually prepared, a revised report may be submitted. The same applies to a group project if the entire group of students will be attending the resit.

If one or more of the students who wrote a group project will have to do a resit, they must submit a supplement to the original report with clear indications of which students wrote the individual parts of the supplement.

C. Submit a new written product before the expiry of a set deadline and be assessed according to the same rules as those applying to the previous exam but on the basis of a new project.

6.3 The exam testing the national subject element: Systems Development 2

6.3.1 Scheduled time

The exam will take place at the end of semester 3.

6.3.2 ECTS weight

The exam is worth 10 ECTS credits.

6.3.3 Conditions for attending the exam (examination prerequisites)

Students must meet the following requirements to sit the exam:

- preparation of a project report for the Systems Development exam
- a group must have 3–5 members. This requirement can only be waived in exceptional cases.

The project report for the Systems Development exam must meet the following formal requirements and be submitted in due time according to the submission date announced on the Intranet.

- o Cover page and title
- o Introduction
- o Plan-driven versus agile development explicated through specific methods
- o Choice of method(s)
- o Main principles of planning and quality assurance
- o Quality criteria and architecture
- o Reflections on methods and their practical application
- o Conclusion
- o Appendices, if any

The maximum length of the project report is 20 standard pages. The cover page, table of contents, reference list and appendices are not included in the maximum number of pages. Appendices are not assessed.

One standard page is 2.400 characters, including spaces and footnotes. The cover page, table of contents, reference list and appendices do not count towards the limit.

All examination prerequisites must have been met before a student can attend the exam of a particular educational element.

If a student does not satisfy all examination prerequisites at the time of the ordinary exam for that particular educational element, the student cannot attend the exam. As a

consequence, the student will have used an exam attempt and will have two exam attempts remaining for passing that particular exam.

6.3.4 Exam organisation and details

6.3.4.1 Exam type

For details about the procedure for this exam, please see the Examinations Catalogue for the Computer Science Programme, which can be found online on www.ucn.dk/english

The exam is oral.

The exam is organised as an individual exam.

The written performance and the subsequent oral performance are assessed as a whole, leading to a single grade.

6.3.4.2 Exam aids

Exam aids are allowed, although not for the oral part of the exam.

6.3.4.3 Examination language

The exam will be conducted in English.

6.3.5 Assessment

The assessment criteria for the exam are the learning objectives for the national subject element: Systems Development 2. The learning objectives are described in the national part of the Curriculum.

The exam will be internally assessed.

The exam is internally assessed and graded according to the 7-point grading scale.

6.3.6 Resit exam

The exam will be conducted as an oral exam in the same way as the ordinary exam.

6.4 The exam testing the elective: Specialisation

6.4.1 Scheduled time

The exam will take place at the end of semester 4.

6.4.2 ECTS weight

The exam is worth 30 ECTS credits.

6.4.3   Conditions for attending the exam (examination prerequisites)

Students must meet the following requirements to sit the exam:

- preparation of a project report for the elective element exam the project report must meet the following formal requirements and be submitted in due time according to the submission date announced on the Intranet.

  - o   Cover page with title
  - o   Table of contents
  - o   Introduction, including problem statement
  - o   Main section
  - o   Conclusion
  - o   Reference list (including all sources referenced in the project)
  - o   Appendices (only include appendices that are key to the report)

The maximum allowed length of the report is 40 standard pages, and in addition to that come any programs and the running system. The cover page, table of contents, reference list and appendices are not included in the maximum number of pages. Appendices are not assessed.

One standard page is 2.400 characters, including spaces and footnotes. The cover page, table of contents, reference list and appendices do not count towards the limit.

All examination prerequisites must have been met before a student can attend the exam of a particular educational element.

If a student does not satisfy all examination prerequisites at the time of the ordinary exam for that particular educational element, the student cannot attend the exam. As a consequence, the student will have used an exam attempt and will have two exam attempts remaining for passing that particular exam.

6.4.4   Exam organisation and details

6.4.4.1   Exam type

For details about the procedure for this exam, please see the Examinations Catalogue for the Computer Science Programme, which can be found online on www.ucn.dk/english

The exam is an oral group exam based on a written group project.

A group must have 3–5 members. This requirement can only be waived in exceptional cases.

The written report and the oral performance are assessed as a whole, leading to a single grade.

6.4.4.2   Exam aids

Exam aids are allowed, although not for the oral part of the exam.

6.4.4.3   Examination language

The exam will be conducted in English.

6.4.5   Assessment

The assessment criteria for the exam are the learning objectives for the elective: Specialisation. The learning objectives are described in section 3.1.3 above.

The exam will be internally assessed.

The exam is assessed and graded according to the 7-point grading scale.

6.4.6   Resit exam

For the purposes of the resit, it will be decided whether the student(s) should:

A. Be assessed according to the same rules as those applying to the previous exam and based on the original written product.

B. Submit a new written supplement to the report before the expiry of a set deadline.

If the project was individually prepared, a revised report may be submitted. The same applies to a group project if the entire group of students will be attending the resit.

If one or more of the students who wrote a group project will have to do a resit, they must submit a supplement to the original report with clear indications of which students wrote the individual parts of the supplement.

C. Submit a new written product before the expiry of a set deadline and be assessed according to the same rules as those applying to the previous exam but on the basis of a new project.

6.5   The exam testing the self-organised elective

6.5.1   Scheduled time

The exam will take place at the end of semester 4.

6.5.2   ECTS weight

The exam is worth 30 ECTS credits.

6.5.3   Conditions for attending the exam (examination prerequisites)

Students must meet the following requirements to sit the exam:

- preparation of a project report for the elective element exam. The project report must meet the following formal requirements and be submitted in due time according to the submission date announced on the Intranet.

    o   Cover page with title

    o   Table of contents

    o   Introduction, including problem statement

    o   Main section

    o   Conclusion

    o   Reference list (including all sources referenced in the project)

    o   Appendices (only include appendices that are key to the report)

The maximum allowed length of the report is 40 standard pages, and in addition to that come any programs and the running system. The cover page, table of contents, reference list and appendices are not included in the maximum number of pages. Appendices are not assessed.

One standard page is 2.400 characters, including spaces and footnotes. The cover page, table of contents, reference list and appendices do not count towards the limit.

All examination prerequisites must have been met before a student can attend the exam of a particular educational element.

If a student does not satisfy all examination prerequisites at the time of the ordinary exam for that particular educational element, the student cannot attend the exam. As a consequence, the student will have used an exam attempt and will have two exam attempts remaining for passing that particular exam.

6.5.4   Exam organisation and details

6.5.4.1   Exam type

For details about the procedure for this exam, please see the Examinations Catalogue for the Computer Science Programme, which can be found online on www.ucn.dk/english

The exam is an oral, individual or group exam based on a written, individual or group project.

For group projects, the group must have 2-5 members.

The written report and the oral performance are assessed as a whole, leading to a single grade.

6.5.4.2 Exam aids

Exam aids are allowed, although not for the oral part of the exam.

6.5.4.3 Examination language

The exam will be conducted in English.

6.5.5 Assessment

The assessment criteria for the exam are the same as the learning objectives for the elective: Self-organised Elective. The learning objectives are described in section 3.2.2 above.

The exam is internally assessed and graded according to the 7-point grading scale.

6.5.6 Resit exam

For the purposes of the resit, it will be decided whether the student(s) should:

A. Be assessed according to the same rules as those applying to the previous exam and based on the original written product.

B. Submit a new written supplement to the report before the expiry of a set deadline.

If the project was individually prepared, a revised report may be submitted. The same applies to a group project if the entire group of students will be attending the resit.

If one or more of the students who wrote a group project will have to do a resit, they must submit a supplement to the original report with clear indications of which students wrote the individual parts of the supplement.

C. Submit a new written product before the expiry of a set deadline and be assessed according to the same rules as those applying to the previous exam but on the basis of a new project.

7. Internship, semester 5

7.1 Internship exam

7.1.1 Scheduled time

The exam will take place halfway through semester 5.

7.1.2 ECTS weight

The exam is worth 15 ECTS credits.

7.1.3 Internship requirements and expectations

During the internship, the student will work on problems that are relevant to the profession while acquiring knowledge of relevant work functions. The student's learning objectives for the internship must be based on the relationship between the student's theoretical studies and practical tasks and working methods.

Based on the internship learning objectives – as indicated in the national part of the curriculum – the student and the supervisor/contact person collaborate on defining specific objectives for the student's internship.

The objectives must be entered in the Internship Portal. The objectives will then guide the planning of the student's work during the internship, including the writing of the internship report. The internship should be considered similar to a full-time job with the same requirements in terms of number of working hours, effort, commitment and flexibility as what a graduate would be expected to encounter in the labour market.

The internship may be organised in a flexible, varied manner and may form the basis of the student's work on the AP degree project.

The student must satisfy the following requirements for the internship to be considered completed: Due submission of the internship report including a statement from the host company to confirm that the student was active during the internship at a level equivalent to full time (which includes time for writing the internship report, writing a logbook, taking part in the mid-way meeting etc.). The study programme will make the final decision as to whether the internship will be considered completed.

7.1.4 Conditions for attending the exam (examination prerequisites)

- The internship must have been completed. See section 7.1.3 above for the specific requirements that students must satisfy for their internship to be considered completed.

- The internship report must meet the formal requirements and be duly and correctly submitted. See section 7.1.4.1 below.

All examination prerequisites, see below, must have been met before a student can attend the exam of a particular educational element.

If a student does not satisfy all examination prerequisites at the time of the ordinary exam for that particular educational element, the student cannot attend the exam. As a consequence, the student will have used an exam attempt and will have two exam attempts remaining for passing that particular exam.

Each student has the right to receive one offer of an internship place for each internship period. If exceptional circumstances are deemed to exist, UCN may waive the restriction on the number of offers.

7.1.4.1   Formal requirements to the internship report

Students must meet the following requirements to sit the exam:

- Preparation of an internship report. The report must meet the following formal requirements and be submitted in due time according to the submission date announced on the Intranet

    o   Cover page

    o   Title page

    o   Table of contents

    o   Introduction

    o   Description of the internship host

    o   Reflections on the achievement of specific learning outcomes

    o   Description of specific work tasks

    o   Conclusion

    o   If relevant, a discussion in which you situate your research and findings in a wider context

    o   Reference list (including all sources referenced in the project)

    o   Appendices (only include appendices that are key to the report. However, do include the statement made by the internship host)

The maximum allowed length of the internship report is 10 standard pages, and it should deal with an issue related to the profession and to the internship host company. The cover page, table of contents, reference list and appendices are not included in the maximum number of pages. Appendices are not assessed.

One standard page is 2.400 characters, including spaces and footnotes. The cover page, table of contents, reference list and appendices do not count towards the limit.

The report must be prepared individually by each student.

If the student does not meet the examination prerequisites and/or the formal requirements, the student will have used an exam attempt. This means that the student will have one less attempt at passing the exam.

7.2   Exam organisation and details

For details about the procedure for this exam, please see the Examinations Catalogue for the Computer Science Programme, which can be found online on www.ucn.dk/english

7.2.1   Exam type

The exam is oral and will be based on the written internship report.

The exam will be organised as an individual exam.

7.2.2 Exam aids

Exam aids are allowed.

7.2.3 Examination language

The exam will be conducted in English.

7.2.4 Assessment

The assessment criteria for the exam are the learning objectives for the internship. The learning objectives are described in the national part of the Curriculum.

The written internship report and the oral performance are assessed as a whole, leading to a single grade.

The exam is internally assessed and graded according to the 7-point grading scale.

7.2.5 Resit exam

For the purposes of the resit, it will be decided whether the student should:

A. Be assessed according to the same rules as those applying to the previous exam and based on the original written product.

B. submit a new written product, which should be an edited and/or extended version of the original written product and submitted within expiry of a set deadline. The student is assessed according to rules similar to those applying to the previous exam but on the basis of the edited and/or extended written product.

C. Submit a new written product before the expiry of a set deadline and be assessed according to the same rules as those applying to the previous exam but on the basis of the new project.

8. AP degree project

8.1 The exam testing the AP degree project

8.1.1 Scheduled time

The exam testing the AP degree project can only take place once the internship exam and all other exams for the study programme have been passed.

The exam will take place at the end of the final semester of the programme.

8.1.2   ECTS weight

The exam is worth 15 ECTS credits.

8.1.3   Conditions for attending the exam (examination prerequisites)

The written project, which constitutes both the assessment basis and the examination basis, must:

- meet the formal requirements to the degree project, as indicated in the national part of the curriculum

- be submitted in the correct manner and in due time.

All examination prerequisites must have been met before a student can attend the exam of a particular educational element.

If a student does not satisfy all examination prerequisites at the time of the ordinary exam for that particular educational element, the student cannot attend the exam. As a consequence, the student will have used an exam attempt and will have two exam attempts remaining for passing that particular exam.

8.1.4   Exam organisation and details

For details about the procedure for this exam, please see the Examinations Catalogue for the Computer Science Programme, which can be found online on www.ucn.dk/english

8.1.4.1   Exam type

The exam comprises a project and an oral performance which are assessed as a whole and receive a single grade.

The written component of the final degree project may be prepared individually or in groups of a maximum of 5 students.

The exam may be organised as an individual exam or a group exam.

Students have the right to individually write up their degree project and attend an individual oral exam. Students also have the right to do an individual, oral exam in cases where the degree project was written jointly by a group of students.

If a student wants to do an individual oral exam in cases where the degree project was written jointly by a group of students, the student must notify the study programme no more than 14 days before the oral exam. UCN may grant exemptions from the deadline in the event of exceptional circumstances.

8.1.4.2   Exam aids

Exam aids are allowed, although not for the oral part of the exam.

8.1.4.3   Examination language

The exam will be conducted in English.

8.1.5   Assessment

In conjunction with the internship exam and the other exams of the programme, the final exam testing the AP degree project documents that the learning outcomes for the programme have been achieved.

For the AP degree project requirements as well as learning objectives, please see the national part of the curriculum.

The students' writing and spelling skills will be included in the assessment of the AP degree project. However, students who have a physical or mental impairment and students whose mother tongue is not Danish may be exempt in cases where UCN finds that an exemption is necessary in order to put those students on an equal footing with other students. A condition for exemption is that the level of the discipline-specific content of the exam must remain unchanged.

Spelling and writing skills may, however, only increase or decrease a student's grade by one grade at the most. The assessment is expressed as an overall assessment of the profession-related and academic content as well as the student's spelling and writing skills.

An application for exemption must be made in writing to the study programme using UCN's online forms no later than 4 weeks before the exam date. The student must attach documentary evidence of their grounds for applying for an exemption.

UCN may waive the application deadline if exceptional circumstances are found to exist.

The exam is externally assessed according to the 7-point grading scale.

8.1.6   Resit exam

For the purposes of the resit, it will be decided whether the student(s) should:

A. Be assessed according to the same rules as those applying to the previous exam and based on the original written product.

B. Submit a new written supplement to the report before the expiry of a set deadline.

If the project was individually prepared, a revised report may be submitted. The same applies to a group project if the entire group of students will be attending the resit.

If one or more of the students who wrote a group project will have to do a resit, they must submit a supplement to the original report with clear indications of which students wrote the individual parts of the supplement.

C. Submit a new written product before the expiry of a set deadline and be assessed according to the same rules as those applying to the previous exam but on the basis of the new project.

9.   Special exam arrangements

UCN may exempt students from exam terms and conditions that were laid down in the institutional part of the curriculum. Exemption includes offering special exam arrangements to students who have a physical or mental impairment and students whose mother tongue is not Danish in cases where UCN finds that an exemption is necessary in order to put those students on an equal footing with other students. A condition for exemption is that the level of the discipline-specific content of the exam must remain unchanged.

Students must use UCN's online forms to apply for exemption from UCN's exam conditions or to apply for special exam arrangements no later than 4 weeks before the exam is to take place. The student must attach documentary evidence of their grounds for applying for an exemption.

UCN may waive the application deadline if exceptional circumstances are found to exist.

10.   Obligation to participate

For teaching and learning activities to be most efficient and for students to achieve the learning objectives of the programme, students have an obligation to participate by submitting or presenting assignments/project work etc.

The students' submission/presentation of assignments/project work etc. may be expressed as examination prerequisites which must be satisfied before students can attend a particular exam.

If, at the time of an exam, a student has not met all the examination prerequisites, the student will not be allowed to attend the exam, and as a consequence they will have used an exam attempt. Subsequently, the student will only have two attempts remaining to pass that particular exam and will not be allowed to attend the exam until all examination prerequisites have been satisfied.

The study programme will offer help and guidance as early as possible if a student is neglecting his/her obligations to participate and attend.

11.   Criteria for determining study activity

Students have an obligation to stay informed about the time and venue for teaching and learning activities and exams, which can be found on the intranet.

Students who have not passed any exam for a continuous period of at least one year will be de-registered as students at UCN.

UCN may waive this stipulation if justified by exceptional circumstances.

Before enrolment is terminated, the student will be consulted in writing.

12. Teaching and working methods used in the programme

UCN's study programmes are based on Reflective Practice-based Learning (RPL) enabling students to develop the competencies to act professionally in a changing world. Throughout their studies, students develop professional, social and personal competencies that enable them to link theoretical reflection with practical actions and qualify them to reflect on and implement relevant theories and knowledge.

In our study programmes, RPL sets the stage for students to engage in practice-related learning activities that combine practice-related knowledge, theoretical knowledge and research-based knowledge. Various teaching and learning activities are planned according to these six fundamental principles that foster reflection:

Fundamental principle No. 1: The students' own experiences are incorporated into teaching and learning activities.

Fundamental principle No. 2: Teaching and learning activities are designed to include appropriate disturbances.

Fundamental principle No. 3: Teaching and learning activities are organised as exploration.

Fundamental principle No. 4: The content of teaching and learning activities is based on the good example.

Fundamental principle No. 5: Lecturers and students work together on learning processes.

Fundamental principle No. 6: Lecturers and students create room for dialogue.

The six fundamental principles manifest themselves in different ways in different study programmes, semesters and subjects. However, all of them require students to participate and engage actively to maximise the learning yield.

13. Subject elements that may be completed abroad

Each of the subject elements of the study programme may be completed abroad if a student applies for, and is granted, pre-approval of credit transfer by the study programme.

If a study-abroad period has been pre-approved, the student has a duty to document completion of the subject elements when the pre-approved study-abroad period is over. When applying for pre-approval, the student must consent to allow the educational institution to collect any required information once the pre-approved study-abroad period is over.

On final approval of pre-approved credit transfer, a subject element is considered completed if it was passed according to the regulations governing the study programme.

UCN has a large network of partners abroad, and UCN's International Relations Office may help students find out how to do part of their studies outside Denmark. Contact

UCN's International Relations Office for further information. Please note however, that studying or going on an internship abroad requires more work of the student than staying in Denmark. It is up to the student to find out which subjects can be studied abroad with the higher education institution that s/he wants to attend etc. UCN International Relations Office will stand by with advice but cannot take part in the actual planning of the study abroad period.

14. Credit transfer

Credit transfer can take place in different situations.

14.1 Subject elements from the same study programme passed at another educational institution

Passed subject elements are equivalent to corresponding subject elements offered by other educational institutions that provide the same study programme.

14.2 Credit transfer assessment (compulsory credit transfer) associated with application for admission/enrolment on a study programme

When a student has met his/her duty to disclose information about passed subject elements from another Danish or foreign higher-education study programme and about any work experience that may be assumed to qualify for credit transfer, the study programme will decide whether or not to grant credit transfer in each individual case. This will take place on the basis of completed educational elements and work experience that compare with subjects, educational elements or internship elements. The decision whether to award credit transfer is based on an assessment of academic achievement.

14.3 In the event that a student does not meet their duty to disclose information on admission/enrolment

If a student does not disclose information about prior education and work experience on admission/enrolment, their application for credit transfer will not be considered until July or January, whichever comes first, in connection with admission/registration of new students.

This means that students applying for credit transfer may have to wait longer than anticipated for a decision of credit transfer.

It is therefore at each student's own risk that a decision of credit transfer may not have been made in due time before a relevant exam.

- IF the student does not sit the exam and UCN subsequently decides NOT to grant the credit transfer, the student will have used one exam attempt.

- IF the student decides to sit the exam before UCN has made a credit transfer decision and if UCN would have granted the credit transfer, then credit transfer will NOT be awarded because the student has already decided to sit the exam. In this instance, the grade given for the 'new' exam will apply irrespective of whether the 'old' exam grade – which might have resulted in credit transfer, had the student applied for it in due time – is higher, and irrespective of whether the student failed the 'new' exam.

So, once a student has decided to sit an exam, this will exclude the possibility of awarding due transfer credit.

14.4 Pre-approval of credit transfer and final credit transfer

Before going to another educational institution in Denmark or abroad with the intent of getting credit transfer for a subject element under this Curriculum, students must apply for pre-approval of credit transfer.

Pre-approval of credit transfer will be carried out by UCN.

Final credit transfer will be granted when a student has successfully completed the requested subject element, and once the application for final credit transfer has been received with the appropriate documentation attached.

If the student has not passed the requested subject element, the student must sit an exam according to the regulations for that particular subject element as set out in the Curriculum.

For an in-depth description of the credit-transfer rules, please see the current version of the Examination Regulations for UCN's Undergraduate Programmes.

15. Exemptions

If justified by exceptional circumstances, UCN may opt to waive stipulations in the Curriculum; however, only stipulations made by UCN alone or those made jointly by the institutions offering the programme may be disregarded.

According to UCN's practice, exceptional circumstances are generally characterised as a sudden and unexpected change of conditions that a student has been unable to guard themselves against. This could be sudden, serious illness or a death in a student's immediate family.

Each individual case will require a specific assessment of whether exceptional circumstances exist, just as each case will be considered to decide whether the facts of that particular case justify a deviation from the general rules of practice.

16. Effective date and transition regulations

This Institutional Part of the Curriculum will come into effect as of 1 September 2022 and will apply to all students who are admitted/registered on the study programme on that date or later. This shall include students who are re-admitted or re-registered.

The Institutional Part of the Curriculum of 1 February 2020 will be repealed as of 1 September 2022.

Students who were admitted/registered on the study programme before 1 September 2022 – including those who were re-admitted/re-registered – must finalise their studies according to the 1 February 2020 Curriculum.

UCN PROFESSIONSHØJSKOLEN