Master’s Degree Programme
Computer Science

Revised 11 October 2018
Master’s Degree Programme

- Important choices
- Structure of the Master’s Degree Programme
- Specialization columns
- Elective courses
- Requirements for the study programme
- Admission
- Practical information

- Slides: www.cs.au.dk/studieorientering
Choices

During Master’s degree studies:

- Specialization?
- Elective courses?
- Study abroad?
- ph.d.?
# CS Bachelor (2017 onwards)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt; sem</td>
<td>Introduction to Programming (10 ECTS)</td>
</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt; sem</td>
<td>Introduction to Databases (5 ECTS)</td>
</tr>
<tr>
<td>3&lt;sup&gt;rd&lt;/sup&gt; sem</td>
<td>Implementation and Applications of Databases (5 ECTS)</td>
</tr>
<tr>
<td>4&lt;sup&gt;th&lt;/sup&gt; sem</td>
<td>Software Engineering and Architecture (10 ECTS)</td>
</tr>
<tr>
<td>5&lt;sup&gt;th&lt;/sup&gt; sem</td>
<td>Computer Architecture, Networks and Operating Systems (10 ECTS)</td>
</tr>
<tr>
<td>6&lt;sup&gt;th&lt;/sup&gt; sem</td>
<td>Compilation (10 ECTS)</td>
</tr>
</tbody>
</table>

- Taught in **Danish**, except for courses marked ⚫
- Bachelor in cs or similar is prerequisite for master level cs courses

**Math support**

**Cs (only)**

**Cs (and it)**

**Elective**
Master’s Degree Programme

- Important choices
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Structure of Master’s Programme: Ex 1

- **Specialization:**
  - Two full 30 ECTS specializations (spec 1 & spec 2)

- **Elective:**
  - Remaining mandatory courses not included in bachelor program,
  - (Part of) a 3rd 30 ECTS specialization,
  - Elective cs-courses (see later)
  - (Part of ) a coherent 30 ECTS supplementary subject (”tilvalg”) such as math, multimedia (Arts), economy (BSS), technology (ASE/ENG), ideally supporting specialisations

- **Thesis:**
  - Written within the area of spec 1 or spec 2
Structure of Master’s Programme: Ex 1

- Variations of example 1

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Spec 1a</th>
<th>Spec 2a</th>
<th>Tilvalg (Math: Algebra)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Semester</td>
<td>Spec 1b</td>
<td>Spec 2b</td>
<td>Mandatory (Optimization)</td>
</tr>
<tr>
<td>3rd Semester</td>
<td>Spec 1c</td>
<td>Spec 2c</td>
<td>Spec 2: Project work</td>
</tr>
<tr>
<td>4th Semester</td>
<td></td>
<td></td>
<td>Thesis (within Spec 2)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Spec 1a</th>
<th>Spec 2a</th>
<th>Spec 3a</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Semester</td>
<td>Spec 1b</td>
<td>Spec 2b</td>
<td>Spec 3b</td>
</tr>
<tr>
<td>3rd Semester</td>
<td>Spec 1c</td>
<td>Spec 2c</td>
<td>Elective CS</td>
</tr>
<tr>
<td>4th Semester</td>
<td></td>
<td></td>
<td>Thesis (within Spec 2)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>Spec 1a</th>
<th>Spec 2a</th>
<th>Tilvalg (technology)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Semester</td>
<td>Spec 1b</td>
<td>Spec 2b</td>
<td>Tilvalg (technology)</td>
</tr>
<tr>
<td>3rd Semester</td>
<td>Spec 1c</td>
<td>Spec 2c</td>
<td>Tilvalg (technology)</td>
</tr>
<tr>
<td>4th Semester</td>
<td></td>
<td></td>
<td>Thesis (within Spec 2)</td>
</tr>
</tbody>
</table>
Structure of Master’s Programme: Ex 2
Including study abroad

- **Specialization:**
  - A single 30 ECTS specialization (spec 1)

- **Elective:**
  - Remaining mandatory courses not included in bachelor program,
  - (part of) a 2nd 30 ECTS specialization,
  - Elective cs-courses (see later)
  - (part of ) a coherent 30 ECTS supplementary subject ("tilvalg") such as math, multimedia (Arts), economy (BSS), technology (ASE/ENG), ideally supporting specialisations

- **Thesis:**
  - Written within the area of spec 1

- **NB:** Elective + study abroad must contain 30 ECTS master level CS
Structure of Master’s Programme: Ex 2
Including study abroad

- Variations of example 2

<table>
<thead>
<tr>
<th>Semester</th>
<th>Spec 1a</th>
<th>Spec 2a</th>
<th>Spec 2b</th>
<th>Spec 1c</th>
<th>Spec 3a</th>
<th>Spec 3b</th>
<th>Tilvalg (Math: Algebra)</th>
<th>Mandatory (Optimization)</th>
<th>Study abroad (with 20 ECTS master level CS &amp; credit transfer for Spec 1c)</th>
<th>Thesis (within Spec 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2nd Semester</td>
<td>Spec 1a</td>
<td>Spec 2a</td>
<td>Spec 2b</td>
<td>Spec 3a</td>
<td>Spec 3b</td>
<td>Spec 3b</td>
<td>Tilvalg (Math: Algebra)</td>
<td>Mandatory (Optimization)</td>
<td>Study abroad (with credit transfer for Spec 1c)</td>
<td>Thesis (within Spec 1)</td>
</tr>
<tr>
<td>3rd Semester</td>
<td></td>
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</tr>
<tr>
<td>4th Semester</td>
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</tr>
</tbody>
</table>

CS Master's Programme
Master’s Degree Programme

- Important choices
- Structure of the Master’s Degree Programme
- **Specialization columns**
- Elective courses
- Requirements for the study programme
- Admission
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What is a specialization column?

- 30 ECTS courses within a subdiscipline of computer science
- Gives the minimal basis for writing a thesis

- Flexibility:
  - Up to 10 ECTS of the 30 ECTS may be replaced by a course from another specialization or a project work

- The following slides have current offerings
  - Depends on current research groups

- You choose based on
  - Interest
  - Career dreams
## Current specializations

<table>
<thead>
<tr>
<th>Semester</th>
<th>Specialization 1</th>
<th>Specialization 2</th>
<th>Specialization 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Sem (Fall)</td>
<td>Spec 1</td>
<td>Spec 2</td>
<td>Spec 3</td>
</tr>
<tr>
<td>2nd Sem (Spring)</td>
<td>Spec 1</td>
<td>Spec 2</td>
<td>Spec 3</td>
</tr>
<tr>
<td>3rd Sem (Fall)</td>
<td>Spec 1</td>
<td>Spec 2</td>
<td>Spec 3</td>
</tr>
<tr>
<td>4th Sem (Spring)</td>
<td></td>
<td>Thesis</td>
<td></td>
</tr>
</tbody>
</table>

### Specialization columns:

- **Algorithmics**
  - Algo 1
  - Algo 2
  - Algo 3

- **Cryptology**
  - Crypto 1
  - Crypto 2
  - Crypto 3

- **HCI**
  - HCl 1
  - HCl 2
  - HCl 3

- **Programming Languages**
  - Prog 1
  - Prog 2
  - Prog 3

- **Ubiquitous computing and Interaction**
  - UBI 1
  - UBI 2
  - UBI 3

- **Bioinformatics (3 specializations)**
  - Bioinf 1
  - Bioinf 2
  - Bioinf 3
Algorithmics

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Sem (Fall)</td>
<td>Computational Geometry: Theory and Experimentation (10 ECTS)</td>
<td></td>
<td>LA + PA</td>
</tr>
<tr>
<td>2nd Sem (Spring)</td>
<td>Advanced Data Structures (10 ECTS)</td>
<td></td>
<td>GSB + KGL</td>
</tr>
<tr>
<td>3rd Sem (Fall)</td>
<td>Theory of Algorithms and Computational Complexity (10 ECTS)</td>
<td></td>
<td>KAH</td>
</tr>
</tbody>
</table>

- Semesters have progression
  - First semester is prerequisite for second semester
  - Third semester may be replaced with UBI 3 from Data-intensive Systems group

**Algorithms and Data Structures**

- Lars Arge
- Gerth Stølting Brodal
- Peyman Afshani
- Kasper Green Larsen
- Kristoffer Arnsfelt Hansen
## Cryptology

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Sem (Fall)</td>
<td>Cryptology (10 ECTS)</td>
<td>IBD</td>
<td>Ivan Bjerre Damgård, Jesper Buus Nielsen, Claudio Orlandi</td>
</tr>
<tr>
<td>2nd Sem (Spring)</td>
<td>Cryptologic Protocol Theory (10 ECTS)</td>
<td>IBD + JBN</td>
<td></td>
</tr>
<tr>
<td>3rd Sem (Fall)</td>
<td>Cryptographic Computing (10 ECTS)</td>
<td>CO</td>
<td></td>
</tr>
</tbody>
</table>

- Semesters have progression
- First semester is prerequisite for the other semesters
- Last two semesters can be taken in any order

### Cryptography and Security
- Ivan Bjerre Damgård
- Jesper Buus Nielsen
- Claudio Orlandi
## Human-Computer Interaction

<table>
<thead>
<tr>
<th>Semester (Fall)</th>
<th>Course</th>
<th>Credits</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Sem (Fall)</td>
<td>Interactivity and Computer Mediation - Concepts, Theories, Methods, Cases (10 ECTS)</td>
<td></td>
<td>SB</td>
</tr>
<tr>
<td>2nd Sem (Spring)</td>
<td>Designing Interactive Technologies (10 ECTS)</td>
<td></td>
<td>SB</td>
</tr>
<tr>
<td>3rd Sem (Fall)</td>
<td>Multimodal Interaction (10 ECTS)</td>
<td></td>
<td>EH</td>
</tr>
</tbody>
</table>

- Semesters have progression
  - 1st or 3rd semester is prerequisite for the 2nd semester

### Computer Mediated Activity

- Susanne Bødker
- Olav Bertelsen
- Eve Hoggan
- Roman Rädle

### Use, Design and Innovation

- Morten Kyng

CS Master's Programme
## Programming Languages

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
<th>Teachers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1\textsuperscript{st} Sem (Fall)</td>
<td>Program Analysis and Verification (10 ECTS)</td>
<td>AM + LB</td>
<td>Anders Møller, Magnus Madsen</td>
</tr>
<tr>
<td>2\textsuperscript{nd} Sem (Spring)</td>
<td>Language-based Security (10 ECTS)</td>
<td>AA</td>
<td>Lars Birkedal, Aslan Askarov</td>
</tr>
<tr>
<td>3\textsuperscript{rd} Sem (Fall)</td>
<td>Functional Programming (10 ECTS)</td>
<td>BS</td>
<td>Bas Spitters</td>
</tr>
</tbody>
</table>

- Semesters are independent – can be taken in any order

### Programming Languages
- Anders Møller
- Magnus Madsen

### Logic and Semantics
- Lars Birkedal
- Aslan Askarov
- Bas Spitters
Ubiqitous Computing and Interaction

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Title</th>
<th>ECTS</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Sem (Fall)</td>
<td>Building the Internet of Things with P2P and Cloud Computing</td>
<td>10</td>
<td>NOB</td>
</tr>
<tr>
<td>2nd Sem (Spring)</td>
<td>Augmented Reality</td>
<td>5</td>
<td>KG</td>
</tr>
<tr>
<td></td>
<td>Advanced Augmented Reality Project</td>
<td>5</td>
<td>KG</td>
</tr>
<tr>
<td>3rd Sem (Fall)</td>
<td>Advanced Data Management and Analysis</td>
<td>10</td>
<td>IA+PK</td>
</tr>
</tbody>
</table>

• Semesters are independent – can be taken in any order
• 3rd semester may be part of the Algorithmics specialization

Ubiqitous Computing and Interaction
• Kaj Grønbæk
• Niels Olof Bouvin
• Marianne Graves Petersen
• Jo Vermeulen
• Hans-Jörg Schultz

Data-intensive Systems
• Ira Assent
• Panagiotis Karras
• Davide Mottin

CS Master's Programme
Specializations from Master’s degree Programme in Bioinformatics (offered by Bioinformatics Research Centre)

Contact: Christian Storm Pedersen — Thomas Mailund

### Algorithms and Programming

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Sem (Fall)</td>
<td>Algorithms in Bioinformatics (10 ECTS)</td>
<td></td>
<td>CSP</td>
</tr>
<tr>
<td>2nd Sem (Spring)</td>
<td>Genome-Scale Algorithms (10 ECTS)</td>
<td></td>
<td>CSP+TM</td>
</tr>
<tr>
<td>3rd Sem (Fall)</td>
<td>Advanced Programming in Bioinformatics (10 ECTS) OR Tree of Life (10 ECTS)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Statistics and Data

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Sem (Fall)</td>
<td>Data Science in Bioinformatics (10 ECTS)</td>
<td></td>
</tr>
<tr>
<td>2nd Sem (Spring)</td>
<td>Statistical and Machine Learning in Bioinformatics (10 ECTS)</td>
<td></td>
</tr>
<tr>
<td>3rd Sem (Fall)</td>
<td>Algorithms in Bioinformatics (10 ECTS) OR Tree of Life (10 ECTS)</td>
<td></td>
</tr>
</tbody>
</table>

For more info about the Master's program in bioinformatics, see [http://www.birc.au.dk/Studies](http://www.birc.au.dk/Studies)
Master’s Degree Programme

- Important choices
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Elective Courses

Elective courses offered in CS (apart from specialisations):

- **Summer**
  - (29 July - 16 August 2019): Identity and Privacy (5 ECTS)

- **Fall**
  - Interdisciplinary Digital Entrepreneurship (10 ECTS)
  - Machine Learning (10 ECTS) [bach]

- **Spring**:
  - Mathematics Education (5 ECTS)

- **Fall & Spring**:
  - Project work in Computer Science (5 or 10 ECTS)
  - Placement at Upper Secondary School (5 ECTS)

Extra math support courses:

- **Fall**:
  - Algebra (10 ECTS)
Elective courses (external)

Elective courses from outside CS:

- Mathematics
- Technology (ENG)
- Digital Design and Information Studies (Arts)
- Economy (BSS)
Elective courses (Mathematics)

- **Fall**
  - Algebra (10 ECTS)
  - Mathematical Analysis 1 (10 ECTS)
  - Elliptic Curves - Number Theory and Cryptography (10 ECTS)

- **Spring**
  - Introduction to Mathematical Statistics (10 ECTS)
  - Mathematical Analysis 2 (10 ECTS)
Elective courses (ENG)

- **Fall**
  - Optimization and Data Analytics (10 ECTS)
  - Embedded Real Time Systems (10 ECTS)
  - Modelling of Critical Systems (5 ECTS)
  - Internet of Things Technology (10 ECTS)

- **Spring**
  - System Engineering (5 ECTS)
  - Wireless Sensor Networks (5 ECTS)
  - Decision Support Systems (5 ECTS)
  - Distributed and Pervasive Systems (10 ECTS)
  - Computer Vision and Machine Learning (10 ECTS)
  - Modelling and Verification (10 ECTS)

- Worried about prerequisites for engineering courses?
  - Check course catalogue
  - Contact course responsible, or
  - Contact programme responsible Qi Zhang qz@eng.au.dk
Elective courses (Digital Design and Information Studies)

- **Fall**
  - Advanced Interaction Design (20 ECTS)
  - Audio Visuality (10 ECTS)
  - Digital Aesthetics (15 ECTS)
  - Digital Culture (10 ECTS)

- **Spring**
  - Sound and Interaction (10 ECTS)
  - Computer Game Theory (10 ECTS)
  - 3D interaction (10 ETCS)

- **Summer 2018**
  - *Game.Play.Design: Changing worlds / changing views (10 ECTS)*
Elective courses (Economy)

- **Fall**
  - Organisationsadfærd (10 ECTS)

- **Spring**
  - Marketing Management (10 ECTS)
  - Finansiering (10 ECTS)
### International full degree students: Our recommendation 1

<table>
<thead>
<tr>
<th>Semester</th>
<th>Algorithmics</th>
<th>Ubiquitous computing and Interaction</th>
<th>Programming Languages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st (Fall)</td>
<td>Computational Geometry: Theory and Experimentation</td>
<td>Building the Internet of Things with P2P and Cloud Computing</td>
<td>Compilation (BSc)</td>
</tr>
<tr>
<td>2nd (Spring)</td>
<td>Advanced Data Structures</td>
<td>Augmented Reality</td>
<td>Language-based Security</td>
</tr>
<tr>
<td>3rd (Fall)</td>
<td>Theory of Algorithms and Computational Complexity OR Machine Learning (BSc)</td>
<td>Advanced Data Management and Analysis</td>
<td>Functional Programming OR Program Analysis and Verification</td>
</tr>
<tr>
<td>4th (Spring)</td>
<td>MSc Thesis</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **2nd semester alternatives:** Optimization (bachelor), Project Work
- **3rd semester alternatives:** Cryptology, Project Work

CS Master's Programme
<table>
<thead>
<tr>
<th>Semester</th>
<th>Algorithmics</th>
<th>Supporting courses</th>
<th>Cryptology</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt; (Fall)</td>
<td>Computational Geometry: Theory and Experimentation</td>
<td>Distributed Systems and Security</td>
<td>Cryptology</td>
</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt; (Spring)</td>
<td>Advanced Data Structures</td>
<td>Optimization OR Language based security</td>
<td>Cryptologic Protocol Theory</td>
</tr>
<tr>
<td>3&lt;sup&gt;rd&lt;/sup&gt; (Fall)</td>
<td>Theory of Algorithms and Computational Complexity OR Machine Learning (BSc)</td>
<td>Elective / project work</td>
<td>Cryptographic computing</td>
</tr>
<tr>
<td>4&lt;sup&gt;th&lt;/sup&gt; (Spring)</td>
<td></td>
<td></td>
<td>MSc Thesis</td>
</tr>
</tbody>
</table>
Study abroad

- General information (destinations, deadlines, procedures, etc)

- Study Abroad Fair 4 October 2018:
  - [http://studerende.au.dk/au-study-abroad-fair/](http://studerende.au.dk/au-study-abroad-fair/)

- Application Deadline: 1 December 2018

- Selected destinations (with programmes taught in English)

<table>
<thead>
<tr>
<th>University</th>
<th>Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technische Universität München</td>
<td>CS</td>
</tr>
<tr>
<td>Radboud University Nijmegen</td>
<td>CS</td>
</tr>
<tr>
<td>Uppsala Universitet</td>
<td>CS</td>
</tr>
<tr>
<td>University of Helsinki</td>
<td>CS</td>
</tr>
<tr>
<td>Technische Universiteit Eindhoven</td>
<td>CS &amp; Engineering</td>
</tr>
<tr>
<td>Technische Universität Wien</td>
<td>Logic and Computation</td>
</tr>
<tr>
<td>Universita degli studi di Siena</td>
<td>Computer and Automation Engineering</td>
</tr>
<tr>
<td>Université Maastricht</td>
<td>Artificial Intelligence / Data Science</td>
</tr>
</tbody>
</table>
Study abroad

- Selected destinations (with programmes taught in English)

- University of California (several campuses)

- UC Berkeley
  - Programme/courses: CS
  - Semester system
  - 30 ECTS requires 15 undergraduate credits or 12 graduate credits
Study abroad

Credit transfer / course selection
- Select potential universities based on course offerings [http://scitech.studyabroad.au.dk/](http://scitech.studyabroad.au.dk/).
- Apply for exchange through AU GO (opens for application approx 1 week before deadline) [http://scitech.studyabroad.au.dk/](http://scitech.studyabroad.au.dk/).
- When you have been admitted for exchange at specific university you need **advance approval of courses**.
- If foreign university allows less than 30 ECTS then top up with summer courses or project work.
- Update Master’s contract /book an interview.
- Contact Gudmund Frandsen, Nygaard 275, [gudmund@cs.au.dk](mailto:gudmund@cs.au.dk)

Other aspects?
- Contact Mette Glerup Thomsen, ST international coordinator, [http://studerende.au.dk/studier/fagportaler/datalogi/udlandsophold/kontakt/](http://studerende.au.dk/studier/fagportaler/datalogi/udlandsophold/kontakt/)
Master’s Degree Programme

- Important choices
- Structure of the Master’s Degree Programme
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Requirements for the Study Programme

- 120 ECTS in total
  - At least 90 ECTS graduate level computer science
  - At least 180 ECTS computer science in bachelor + master’s

- Mandatory courses:
  - Mandatory courses are determined at admission (usually courses missing in bachelor program)

- Specialization columns
  - At least 2 specialization columns of 30 ECTS each
  - A single specialization column suffices when the programme includes study abroad

- Thesis (30 ECTS)
Yellow Brick Requirement

- All Programmes (Bachelor or Master’s) must include 60 ECTS passed at Science and Technology, Aarhus University

- This has implications for credit transfer!
Master’s Degree Programme

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Admission

- When bachelor completed
- You apply for admission into Master’s Programme
- ... or apply for admission into PhD studies

Admission
- You must actively apply for admission
- You must actively apply for SU
- Making a study programme (contract) does not suffice

http://kandidat.au.dk/optagelse/adgangskrav/
Temporary Admission

- If you lack X<30 ECTS in your bachelor, you may for a 6 months period take 30-X ECTS courses to be part of your future Master’s Programme
- No temporary admission if you still lack a mandatory course and you have failed it twice!
- Never delay (re)examination in a mandatory course!
- This might have SU-related consequences!
PhD studies?

- Apply for PhD studies!
  - For deadlines see [http://talent.au.dk/phd/scienceandtechnology/opencalls/](http://talent.au.dk/phd/scienceandtechnology/opencalls/)
  - You receive a salary while studying!
  - [http://talent.au.dk/phd/scienceandtechnology/programmes/computer-science/](http://talent.au.dk/phd/scienceandtechnology/programmes/computer-science/)
  - Apply for PhD studies directly following your bachelor studies, during you Master’s studies or following your Master’s degree. (Why not apply early?)
  - Contact Anders Møller for info [http://pure.au.dk/portal/en/amoeller@cs.au.dk](http://pure.au.dk/portal/en/amoeller@cs.au.dk)

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CS Master's Programme
Master’s Degree Programme

- Important choices
- Structure of the Master’s Degree Programme
- Specialization columns
- Elective courses
- Requirements for the study programme
- Admission

**Practical information**

- Contracts
- Signing up for courses
- ”Fremdriftsreform”
- Student Guidance
Contracts

- [http://kontrakt.scitech.au.dk/](http://kontrakt.scitech.au.dk/)

- **Master’s Contract:**
  - Complete before signing up for first course in Master’s Programme
    - Also in case of temporary admission
    - You may only sign up for courses mentioned in your contract
  - Revise at semiannual interviews in April and October

- **Thesis Contract:**
  - Fill out at start of thesis work
Signing up for courses

- **Sign up:**
  - December 1 – March 15 for courses in Summer
  - May 1-5 for courses in (Summer & Fall)
  - November 1-5 for courses in the Spring
  - Advance approval of credit transfer is needed for courses from outside ST, see [http://studerende.au.dk/en/studies/subject-portals/computer-science/student-counselling/credit-transfer/](http://studerende.au.dk/en/studies/subject-portals/computer-science/student-counselling/credit-transfer/) (apply well in advance!) Advance approval of credit transfer is no guarantee that you will be admitted to the course!

- **Schedule for elective courses:**
  - watch out for collisions!
Fremdriftsreform ("study progress reform")

- If you follow the recommended program of study (30 ECTS per semester), take courses in the correct order (the Box Diagrams) and pass all courses at the ordinary exam or at the first scheduled re-exam then you need not worry about the study progress reform.
- If you fall behind or do not pass a course at the latest by the first reexamination then contact us for advice and guidance on your individual study program.
- If you ignore this advice and believe that "it will be fine", it may have serious consequences!
- If you do not pass minimum 45 ECTS per year or you do not complete your master’s program within six months after the prescribed time you are automatically signed out of the study program / out of the university http://studerende.au.dk/studier/fagportaler/datalogi/fremdriftsreformen/.
- If you fail an exam in an elective course, then that course has become mandatory! If you have made an erroneous choice of an elective course please contact us for guidance immediately!
Student Counselor

- The student counselor may help you
  - Magnus Høholt Kaspersen


- Possible topics:
  - Change of study programme, delay, leave of absence, withdrawal.
  - Illness.
  - Study regulations, selecting supplementary subjects.
Information Meetings

Thursday 27 September 2018 (Lille Aud, 5510-104):
- 14-15: Computer Science: Bachelor Program
- 15-16: Computer Science: Master’s Program

Friday 28 September 2018 (PBA Aud, 5335-016):
- 14-15: IT-Product Development: Bachelor Program
- 15-16: IT-Product Development: Master’s Program
- 16-17: Computer Science & IT-Product Development: Master’s Thesis
You can have influence!

- Join a committee
  - Contact the chair
  - You may look up current student members on the web

- Education Committee
  - Chair: Gerth Stølting Brodal, gerth@cs.au.dk
  - [http://cs.staff.au.dk/boards-and-committees/education-committee/](http://cs.staff.au.dk/boards-and-committees/education-committee/)

- Office Committee
  - Chair: Søren Poulsen, poulsen@cs.au.dk

- PR Committee
  - Chair: Søren Poulsen, poulsen@cs.au.dk
  - [http://cs.staff.au.dk/boards-and-committees/pr-committee/](http://cs.staff.au.dk/boards-and-committees/pr-committee/)