



## Who are we?

- Anne 3. semester, biology
- Mads 7. semester, chemical engineering
- Student guidance counsellor





### Which educations do we offer?

#### **Secondary Subjects and Master's**

Biology (master's and secondary subject)

- o Cand.scient.
- o Both Danish

Chemistry (master's and secondary subject)

- o Cand.scient.
- o Both Danish
- o "Kemi"

#### Master's only

Biotechnology (master's)

- o Cand.polyp.
- o English

Chemical engineering (master's)

- o Cand.polyp
- o English
- "Chemistry" (On the webside and cirriculum)

(Water and Environmental Engineering) (master's)

o BUILD



# How to study at AAU

- Full time education
- Projects og courses the course of the semester
  - 15 ECTS courses
  - 15 ECTS project
- Group work
- Project Based Learning (PBL) research-oriented
  - More lab hours = more practical education





## What is PBL?

- Problem based learning "The AAU way"
- The students work on a project in groups
- The project is drived by a problem from an existing working group at the university real life problems
- Lots of projects to choose from
  - Evolutionary significanse of behavioral instability (biology)
  - Porosity and Surface Functional Group Regulation of MOF Glass for Lithium Metal Battery Solid-State Electrolyte (chemical engineering)
- External collaboration e.g. Rockwool and Grundfoss

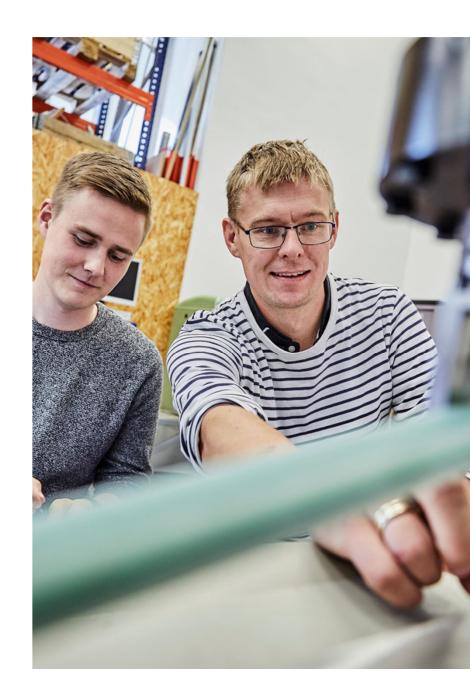






# **Secondary Subject**

- High School Teacher other posibilities as well
- Pick from interest and employment combinations can be important
- You have to pick a primary and secondary subject
- Deadline every 1st of march (latest 4. semester of the primary subject)





# General overview of secondary subjects

- Typically 4 semesters with primary subject and then the secondary subject
- Only guide lines
  - Individual study plan
  - Find curriculums here

	Bacheloruddannelse			
	Centralt fag	Sidefag		
1. semester	30 ECTS			
2. semester	30 ECTS			
3. semester	30 ECTS			
4. semester	30 ECTS			
5. semester	15 ECTS 15 ECTS			
6. semester		30 ECTS		
	Kandidatuddannelse			
	Centralt fag	Sidefag		
1. semester	30 ECTS			
2. semester	15 ECTS	15 ECTS		
3. semester	30 ECTS			
4. semester	30 ECTS			

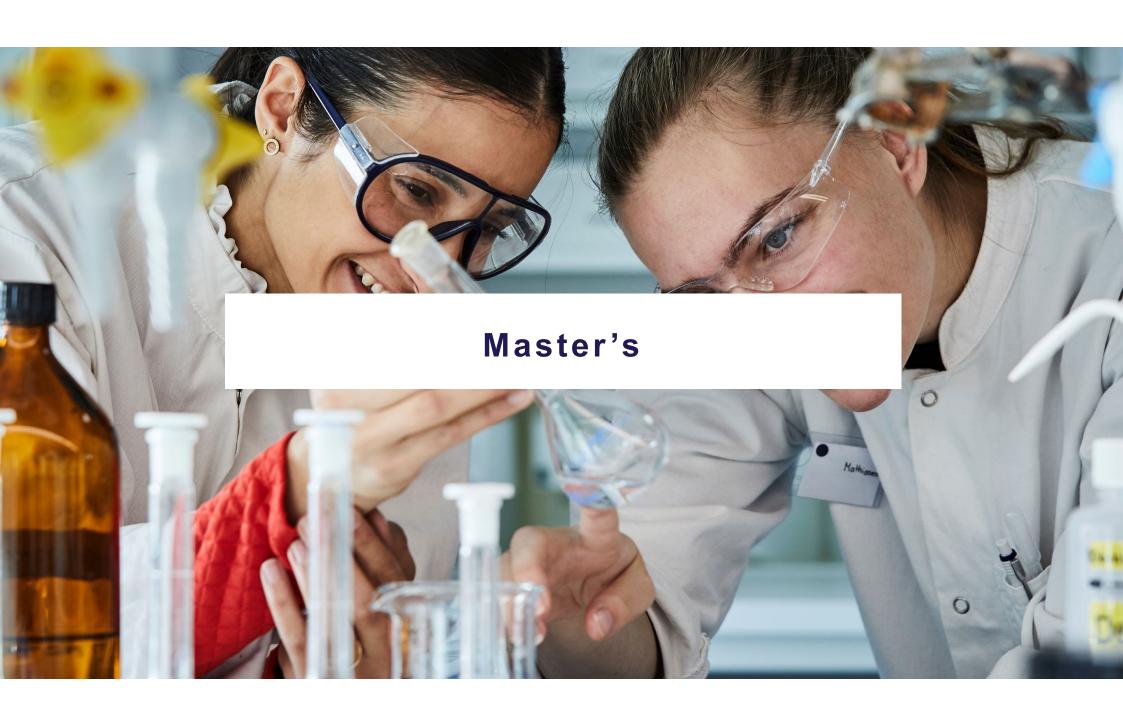


# Study extension

Mix of the main areas (humanities, natural science and social science) = ½ year of extension

	Bacheloruddannelse			
	Centralt fag	Sidefag		
1. semester	30 ECTS			
2. semester	30 ECTS			
3. semester	30 ECTS			
4. semester	30 ECTS			
5. semester	15 ECTS 15 ECTS			
6. semester		30 ECTS		
	Kandidatuddannelse			
	Centralt fag	Sidefag		
1. semester		30 ECTS		
2. semester		30 ECTS		
3. semester	15 ECTS 15 ECTS			
4. semester	30 ECTS			
6. semester	30 ECTS			





## Master's topics

Semester	Kemi	Chemical Engineering	Biotechnology	Biology
7	Syntese og karakterisering af materialer	Materials Technology	Experimental Molecular Cell Biology	<ul><li>Populationsbiologi</li><li>Eksperimentel molekylær cellebiologi</li></ul>
8	Makromolekylær kemi	Industrial application of macromolecules	<ul><li>Protein Science</li><li>Bioresources</li><li>Medical protein science</li></ul>	<ul><li>Naturforvaltning</li><li>Klimaforandringer og bæredygtighed</li></ul>
9	<ul> <li>Project collaboration in ar / Studying abroad</li> <li>Long master's thesis</li> </ul>	n external organization	<ul> <li>Project collaboration in an external organization / Studying abroad</li> <li>Long master's thesis</li> <li>Biotechnology</li> <li>Medical Biotechnology</li> </ul>	<ul> <li>Eksternt projektarbejde         / Udlandsophold</li> <li>Langt speciale</li> </ul>
10	<ul><li>Short master's thesis</li><li>Long master's thesis</li></ul>		<ul><li>Short / long master's thesis</li><li>Biotechnology</li><li>Medical Biotechnology</li></ul>	<ul><li> Kort kandidatspeciale</li><li> Langt speciale</li></ul>

# Admission requirements

 Admission requirements: Relevant bachelors degree (see curriculum: §7: Admission requirements)







## Job opportunities

### **Biotechnology:**

- Management and production in biotechnological and medical industries
- The food industry
- Research (public and private)
- Teaching and education

### Biology:

- Environmental administration and management
- Consulting
- Research and development
- Teaching and education





## Job opportunities

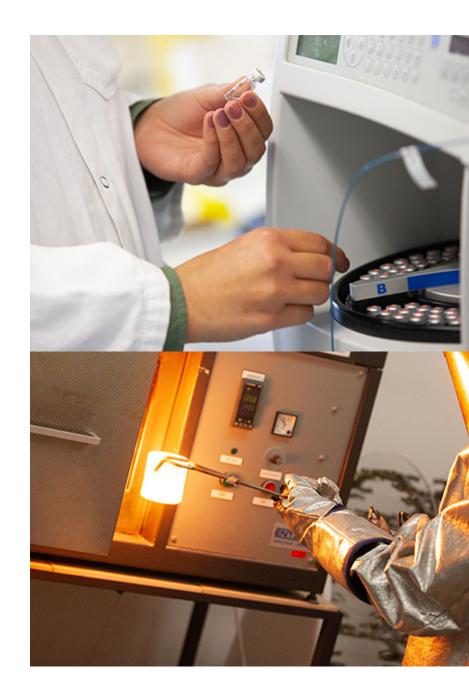
### Chemical engineering (Cand.polyt.):

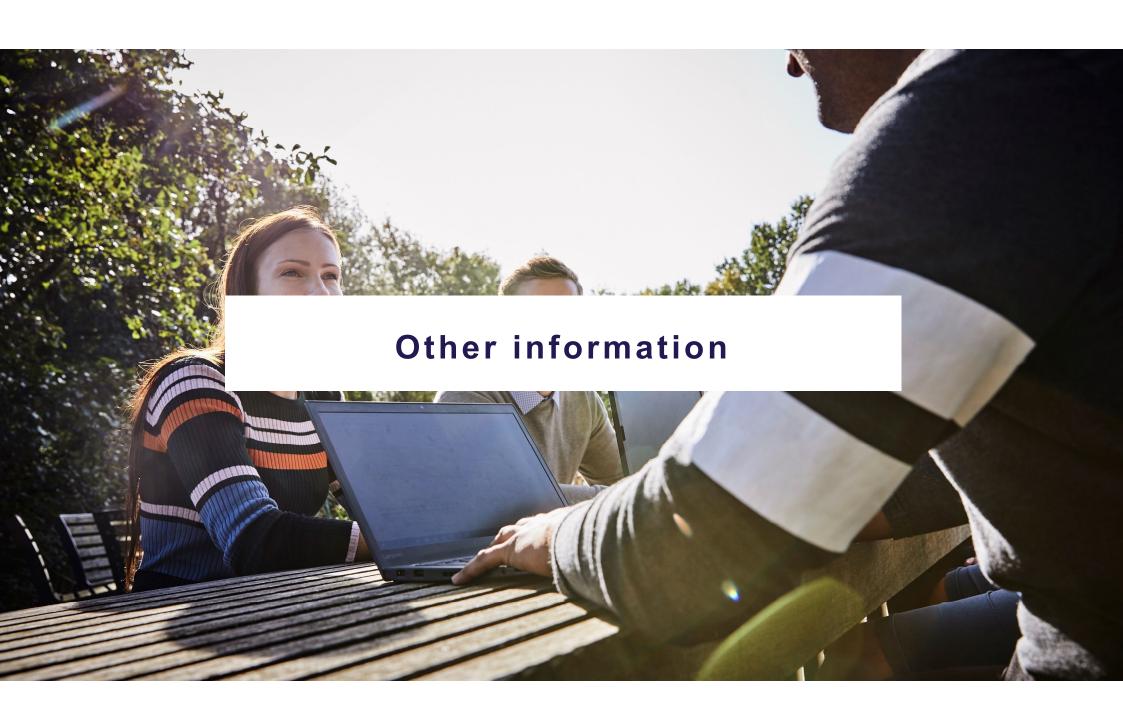
- · Chemical and pharmaceutical industry
- · Development og improvement in an enginerring company
- Research (public and private)
- Teaching and education

### Chemistry (Cand.scient.):

- Development, analysis and control of chemical products and materials
- Operation, control and development in chemical production
- Research (private and public)
- · Teaching and education







## After hours

- Study groups
- Studentersamfundet (The student community)
- MOS student union
- Friday bar





### **Further information**

- Find and read about our educations: <a href="https://www.aau.dk/uddannelser">https://www.aau.dk/uddannelser</a>
- § 18: OVERVIEW OF THE PROGRAMME
- Ourriculums (§18/19: Overview of the programme) and "Offered as: 1-professional"
- OFFERED AS: 1-PROFESSIONAL

- For all master's: https://studieordninger.aau.dk/2023/41
- Biology (Cand.scient.): <a href="https://studieordninger.aau.dk/2023/41/4185">https://studieordninger.aau.dk/2023/41/4185</a>
- Biotechnology (Cand. Polyt.): <a href="https://studieordninger.aau.dk/2023/41/4187">https://studieordninger.aau.dk/2023/41/4187</a>
- Chemistry (cand.scient.): <a href="https://studieordninger.aau.dk/2023/41/4189">https://studieordninger.aau.dk/2023/41/4189</a>
- Chemical engineering (cand. Polyt.): <a href="https://studieordninger.aau.dk/2023/41/4188">https://studieordninger.aau.dk/2023/41/4188</a>
- Secondary subjects: For all bachelors: <a href="https://studieordninger.aau.dk/2023/38">https://studieordninger.aau.dk/2023/38</a>

UDBYDES SOM: 2-FAGLIG

- Secondary subjects: find curriculum under §18/19: Uddannelsesoversigt and "Udbydes som: 2-faglig"
- Read more about secondary subjects: <a href="https://www.aau.dk/uddannelser/bliv-gymnasielaerer">https://www.aau.dk/uddannelser/bliv-gymnasielaerer</a>



# **Contact** information

- Specific questions? Feel free to contac us!
- Write us an e-mail: bio.sg@bio.aau.dk
- Or find us at Fredrik Bajers vej 7H in meeting room 1.501 every wednesday from 15-17, or call us during these hours:
  - Anne (Odd weeks): +45 99 40 84 72
  - Mads (Even weeks): +45 99 40 84 98

www.bio.aau.dk/uddannelse/kontakt/studievejledere





