The CogSci Program

Mathematics	Informatics	Methods of CogSci

Neuroscience	Cognitive (Neuro-) Psychology	(Computational) Linguistics
Artificial Intelligence	Philosophy for CogSci	Neuro-informatics

9 CogSci Fields

Compulsory	Optional Compulsory
Mathematics	Mathematics
Informatics	Informatics
Neuroscience	Neuroscience
Philosophy for CogSci	Philosophy for Cogsci
Methods of CogSci	Methods of CogSci
(Computational) Linguistics	(Computational) Linguistics
Cognitive (Neuro)psychology	Cognitive (Neuro)psychology
Artificial Intelligence	Artificial Intelligence
Neuroinformatics	Neuroinformatics
Optional	Thesis

Program Overview

Compulsory	Optional Compulsory	1. compulsory modules
Mathematics	Mathematics	
Informatics	Informatics	
Neuroscience	Neuroscience	
Philosophy for CogSci	Philosophy for Cogsci	
Methods of CogSci	Methods of CogSci	
(Computational) Linguistics	(Computational) Linguistics	
Cognitive (Neuro)psychology	Cognitive (Neuro)psychology	
Artificial Intelligence	Artificial Intelligence	
Neuroinformatics	Neuroinformatics	
Optional	Thesis	

Program Overview

Compulsory	Optional Compulsory
Mathematics	Mathematics
Informatics	Informatics
Neuroscience	Neuroscience
Philosophy for CogSci	Philosophy for Cogsci
Methods of CogSci	Methods of CogSci
(Computational) Linguistics	(Computational) Linguistics
Cognitive (Neuro)psychology	Cognitive (Neuro)psychology
Artificial Intelligence	Artificial Intelligence
Neuroinformatics	Neuroinformatics
Optional	Thesis

1. compulsory modules
2. five optional compulsory modules

Program Overview

Compulsory	Optional Compulsory
Mathematics	Mathematics
Informatics	Informatics
Neuroscience	Neuroscience
Philosophy for CogSci	Philosophy for Cogsci
Methods of CogSci	Methods of CogSci
(Computational) Linguistics	(Computational) Linguistics
Cognitive (Neuro)psychology	Cognitive (Neuro)psychology
Artificial Intelligence	Artificial Intelligence
Neuroinformatics	Neuroinformatics
Optional	Thesis

1. compulsory modules
2. five optional compulsory modules
3. optional module

Program Overview

Compulsory	Optional Compulsory
Mathematics	Mathematics
Informatics	Informatics
Neuroscience	Neuroscience
Philosophy for CogSci	Philosophy for Cogsci
Methods of CogSci	Methods of CogSci
(Computational) Linguistics	(Computational) Linguistics
Cognitive (Neuro)psychology	Cognitive (Neuro)psychology
Artificial Intelligence	Artificial Intelligence
Neuroinformatics	Neuroinformatics
Optional	Thesis

1. compulsory modules
2. five optional compulsory modules
3. optional module
4. oral exam

Program Overview

Compulsory	Optional Compulsory
Mathematics	Mathematics
Informatics	Informatics
Neuroscience	Neuroscience
Philosophy for CogSci	Philosophy for Cogsci
Methods of CogSci	Methods of CogSci
(Computational) Linguistics	(Computational) Linguistics
Cognitive (Neuro)psychology	Cognitive (Neuro)psychology
Artificial Intelligence	Artificial Intelligence
Neuroinformatics	Neuroinformatics
Optional	Thesis

1. compulsory modules
2. five optional compulsory modules
3. optional module
4. oral exam
5. thesis

Program Overview

- for every passed course you are awarded **Credits**
  - ECTS or "Leistungspunkte"
- Rough estimation:
  - 1 ECTS ~ 2 hours work per week (or **30h** per semester)
- Your Bachelor consists of **180 ECTS**
- Lectures (with tutorials) ~ 8 ECTS
- Seminars ~ 4 ECTS

Credits

Compulsory	ECTS	Optional Compulsory	ECTS
Mathematics	9 / 6	Mathematics	9 / 18
Informatics	9	Informatics	9
Neuroscience	8	Neuroscience	12
Philosophy for CogSci	10	Philosophy for Cogsci	10
Methods of CogSci	8	Methods of CogSci	12
(Computational) Linguistics	8	(Computational) Linguistics	12
Cognitive (Neuro)psychology	8	Cognitive (Neuro)psychology	12
Artificial Intelligence	8	Artificial Intelligence	12
Neuroinformatics	12	Neuroinformatics	8
Optional		Oral Cross-Module-Exam	3
		Thesis	12

Program Overview

- Cross-Module Exams (CME) in 5 of 9 fields [= compulsory + optional compulsory]

- need to do 1 **oral** CME (up to 3 possible)

  - Gives you 3 ECTS

  - No oral CME in informatics possible

- (2 up to) 4 CME set with completing necessary courses
  → mark modules as complete and grade relevant at the examinations office!

Cross-Module Exams

- ◇ **Note:** you can do CMEs in maximally 2 of the following fields:
    - ○ Mathematics
    - ○ Informatics
    - ○ Methods of CogSci

- ◇ Of course you can do courses in more than your 5 chosen fields, they will count towards your "Optional module"

Cross-Module Exams

- Usually during 6th semester
- Very individual choice of topics and supervisors
- No fixed registering times
- 3 months time
- Theoretical or empirical thesis
- Gives you 12 ECTS

Prerequisites for registering:

- Passed all compulsory modules, done 3 out of 5 CMEs and semester abroad, have 10 VP hours

Bachelor's Thesis

- You need 180 ECTS in total
- Most credits through compulsory and optional compulsory
- Difference to 180 ECTS has to be filled with optional courses!
- Foundations of Cognitive Science (3 ECTS)

PLUS: **any other courses** you are allowed to take part in (more CogSci courses or any course the university offers)

Optional Module

Final grade: ⅔ CMEs grades + ⅓ thesis grade

Keep an overview of your grades and credits with the **grade calculator:**

https://docs.google.com/spreadsheets/d/13VxoiIVri2WAeG0bEyw2lQzXmSxgzBmTziLV63RsIMo/edit#gid=1584395188

- ⬥ Download a version for yourself
- ⬥ Insert your courses, credits and grades
- ⬥ Keep an overview of passed courses
- ⬥ Pick modules for cross-modular exams
- ⬥ Check if you have fulfilled all requirements
- ⬥ Have your modul and final grades calculated

Grade and Credit Overview

Rückmeldung into the 3rd semester:

need to gain at least 40 ECTS in your first two semesters (need not be in compulsory courses)

➢ Go to examinations office and prove that!

Do a semester / internship abroad:

typically done in the 5th semester; more on that later this week

Other Things You Need To Do

Other than most study programs

➢ we do *not* kick people out when they fail an exam three times

➢ we allow students to take a class from their compulsory module again
one more time after they have passed it
(so they can improve their grade)

Something awesome about CogSci

CogSci Milestones

1. **40 ECTS** until end of 2nd semester
2. Pass all **compulsory** modules
3. Pass the **optional compulsory** modules in 5 out of 9 fields
4. Go **abroad** (studying or internship)
5. Do at least 1 (and up to 3) **oral** cross-module exam
6. Hand in Scheine for the other (2 up to) 4 fields as a **cross-module exam**
7. Collect **180 ECTS** in total
8. Register and write your **thesis**

Well Done :)