current situation (last cohort of students 2018/19)

• 3 different BSc programmes, ECTs credit system:
  • General Computer Science, with 3 specialisations:
    • Algorithms and Optimization
    • Discrete Models and Structures
    • Computational Linguistics
  one examination area for state exams
  possibility to supervise bachelor theses
  just 2 courses:
    • Introduction to Machine Learning ( Bára Hladká, Martin Holub)
    • Introduction to Computer Linguistics ( Vláďa Kuboň)

• Programming and Software systems (only in Czech)
• Software and Data Engineering (only in Czech)
Computational Linguistics / NLP at Bachelor level at MFF

new accreditation (from 2019/20)
• only one BSc programme in Computer Science
• 5 specializations:
  • General Computer Science
  • Programming and Software Development
  • System Programming
  • Databases and Web
  • Artificial Intelligence
  • Computer Graphics, Games Development and Visual Computing
• 180 ECTS in total, 81 common ECTS to all specializations
• at least 40 ECTS and at most 81 ECTS for a specialization
Computational Linguistics / NLP at Bachelor level at MFF

- responsible teacher: Ondřej Čepek

**Mathematics**
- less maths in courses common to all specializations
- Mathematical Analysis (Calculus) I – move to 2nd semester
- Statistics and Probability – newly designed and taught by KAM (? Robert Šámal)
- Combinatorics and Graph Theory I – newly designed

**Programming and Computer Science**
- NEW – „basic programming literacy“ (intro to everything)
  (incl. SW engineering – subversion, Github, sharing extensive codes, …)
- NEW – intro to algorithmization (intro to Programming, ADS)
- Python as first programming language
- later intro to C+, C#, C++, Java (based on specialization)
Computational Linguistics / NLP at Bachelor level at MFF

specialization: Artificial Intelligence
responsible teacher: Roman Barták
  • Artificial Intelligence
  • Robotics
  • NLP

NLP courses:
  • Intro to Computer Linguistics (Vláďa Kuboň) … 2/0 (Y3 W)
  • Intro to Machine Learning ( Bára Hladká, Martin Holub) … 2/2 (Y3 W)
  • Text Processing in UNIX (Zdeněk Žabokrtský, Ruda Rosa) … 0/2 (Y3 W)
  • NEW – Natural Language Processing (Zdeněk Žabokrtský and others) … 2/1 (Y3 S) … „flag ship“
  • Competing in Machine Translation (Ondřej Bojar) … 0/2 (winter)
  • NEW – Dialogue Systems (Ondřej Dušek, Honza Cuřín) … 2/2 Z (year 3 summer)