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PREPARATION OF SECONDARY SCHOOL ICT TEACHERS

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Paper Outline

- ✓ **Comparative view about two systems of secondary level ICT teachers**
- ✓ **Austria (University of Vienna, Faculty of Comp. Science)**
- ✓ **Czech Republic (MU, Faculty of Informatics)**
- ✓ **Common goals and differences**
 - ✓ Studies
 - ✓ Teacher training
 - ✓ First year after the university
- ✓ **Complexity, flexibility, and quality of the training**



Course structure at the University of Vienna

- **5 years Master study**

- **Subject-specific courses**

- Theoretical and Mathematical Basics
- Technical Basics of Computer Science
- Practical Computer science
- Applied Computer Science and the Impact on Society

- **Subject-didactics**

- Interdisciplinary Lesson Planning
- Introduction into Subject Didactics
- Information Management at School
- Interdisciplinary Practices
- Practices of Subject Didactics

- **Pedagogical courses**

- Carried out by the pedagogical Institute indepently for all teacher study program students



Course structure at Masaryk University

- **3 years Bachelor + 2 years Master**
- **Subject-specific courses**
 - Theoretical and Mathematical Basics
 - Technical Basics of Computer Science
 - Practical Computer science
 - Applied Computer Science and the Impact on Society
- **Subject-didactics**
 - Introduction into Subject Didactics
 - Practices of Subject Didactics
 - Usually Master Thesis on a didactics- or educational topic



Vienna: Practical training & first year training

First stage

- *Pedagogical practices* at schools during the first 5 semesters
- Focus on classroom observation
- Teaching recommended

Second stage

- Practices at the second part of studies
- Teaching compulsory

Third stage

- First-year Training
- After finished studies
- Necessary to achieve the status of a full accepted teacher
- Guided by a qualified teacher and courses





Brno: Practical training & first year training

First stage

- *Pedagogical practices* at schools during the last 2-3 semesters (MSc)
- Focus on both classroom observation and teaching
- Teaching compulsory

Second stage

- After finished studies
- Teacher is considered as fully qualified.
- Guidance of a qualified teacher depends on local conditions



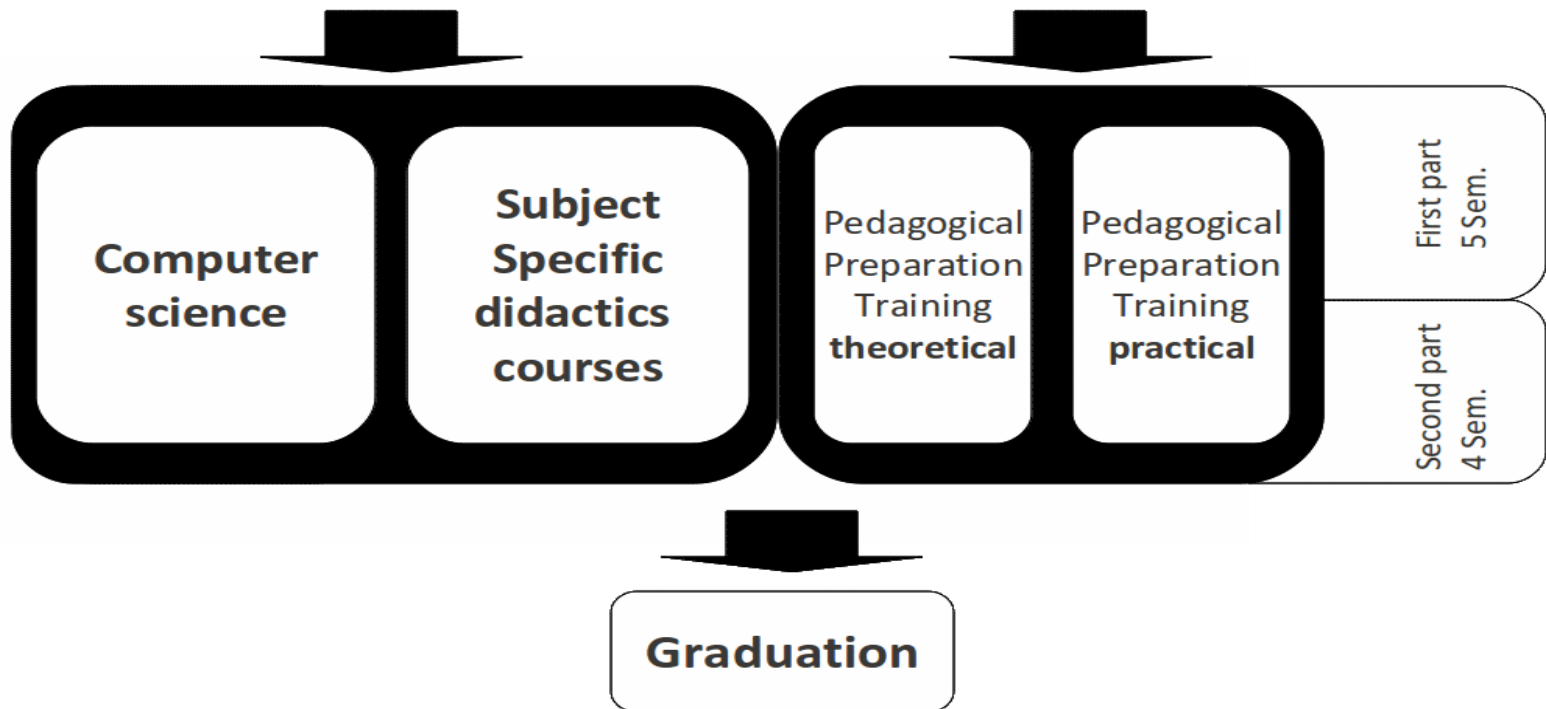


Computer Science and Computer Management at the University of Vienna

Is divided in two parts: *Subject-specific* and *Pedagogical and practical school training*

Faculty of Computer Science University of Vienna
Faculty of Informatics, Technical University of Vienna

Pedagogical Institute
University of Vienna





Teaching at Secondary Schools, Masaryk University, Faculty of Informatics

- **Is divided in two stages**

- Bachelor + Master

- Usually two teaching subjects (Math, Physics, languages...)

- **Bachelor**

- Strong in Informatics and CS

- Similar as combination with Economy

- Occasionally as opportunity just to study two subjects with teacher's ambitions

- **Master**

- Precisely targeted to teacher carrier



Vienna vs. Brno – What is better?

•Vienna

- Advantages
- Drawbacks

•Brno

- Advantages
- Drawbacks





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Thanks for your attention!

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