### Summer Semester

1. **Software Development Technology**
   - (4 CP)
   - Written Examination

2. **Neuroinformatics and Neurotechnologies**
   - (4 CP)
   - Written Examination

3. **Modern Problems of Informatics and Computer Science**
   - (4 CP)
   - Written Examination

4. **Methods of Optimisation**
   - (2 CP)
   - Written Examination

5. **Intelligent Systems**
   - (3 CP)
   - Written Examination

6. **Knowledge Management and Knowledge Engineering**
   - (6,5 CP)
   - Written Examination

### Winter Semester

1. **History and Methodology of Informatics and Computer Science**
   - (2,5 CP)
   - Written Examination

2. **History and Methodology of Informatics and Computer Science**
   - (2,5 CP)
   - Written Examination

3. **Cognitive and Multiagent Systems or Intelligent Control Systems**
   - (8,5 CP)
   - Written Examination

4. **Mathematical Modelling and Simulation**
   - (5 CP)
   - Written Examination

5. **Distributed Databases or Intelligent Computing**
   - (7 CP)
   - Written Examination

6. **Production of optoelectronic Systems**
   - (5 CP)
   - Written Examination

7. **Engineering Dynamics and Vibrations**
   - (5 CP)
   - Written Examination

8. **Micro- and Nano Systems**
   - (6 CP)
   - Oral Examination

### Master’s Thesis

- (30 CP)

### Examination Dates

- Written Examination
- Oral Examination
- Written/Oral Examination

### Courses

- **Engineering Dynamics and Vibrations**
- **Written Examination**
- **Micro- and Nano Systems**
- **Written Examination**
- **Science and research work**
- **(5 CP)**
- **Written Examination**
- **Mathematical Modelling and Simulation**
- **Written Examination**
- **Distributed Databases or Intelligent Computing**
- **Written Examination**
- **Production of optoelectronic Systems**
- **Written Examination**
- **History and Methodology of Informatics and Computer Science**
- **Written Examination**
- **Neuroinformatics and Neurotechnologies**
- **Written Examination**
- **Modern Problems of Informatics and Computer Science**
- **Written Examination**
- **Methods of Optimisation**
- **Written Examination**
- **Intelligent Systems**
- **Written Examination**
- **Knowledge Management and Knowledge Engineering**
- **Written Examination**
- **Software Development Technology**
- **Written Examination**

### Credits

- **30**
- **30**
- **30**
- **30**

### Master complete

- **120**

**4 CP Scientific and research work will still be assigned to the 5 courses of the 3rd semester.**