

| BASIC DATA | |
|--------------------------|---------------------------------|
| Name of the programme: | Computer Science Engineering |
| Degree awarded: | MSc |
| Name of qualification: | Computer Science Engineer |
| Field of the programme: | Informatics |
| Branch of the programme: | Software and System Engineering |

| Computer Science Engineering MSc | | | 1. semester | | | | 2. semester | | | | 3. semester | | | | 4. semester | | | |
|--|-------------|------------------------|-------------|------------------|--------|---------------|-------------|------------------|--------|---------------|-------------|------------------|--------|---------------|-------------|------------------|--------|---------------|
| Courses | NEPTUN ID | PRE-REQUISITE (if any) | LECTURE | PRACTICAL COURSE | CREDIT | REQUIREMENTS* | LECTURE | PRACTICAL COURSE | CREDIT | REQUIREMENTS* | LECTURE | PRACTICAL COURSE | CREDIT | REQUIREMENTS* | LECTURE | PRACTICAL COURSE | CREDIT | REQUIREMENTS* |
| CORE COURSES | | | | | | | | | | | | | | | | | | |
| Complexity of Algorithms | GEMAK121M-a | no | 3 | 1 | 5 | s e | | | | | | | | | | | | |
| Operating Systems and Networks | GEIAL501M-a | no | 3 | 1 | 5 | s e | | | | | | | | | | | | |
| Operation Research and Optimization | GEMAK112M-a | no | 3 | 1 | 5 | s e | | | | | | | | | | | | |
| Software Engineering | GEIAL511M-a | no | 3 | 1 | 5 | s e | | | | | | | | | | | | |
| Architectures and Embedded Systems | GEVAU210M-a | no | 2 | 2 | 4 | s e | | | | | | | | | | | | |
| Discrete Mathematics | GEMAN383M-a | no | 2 | 2 | 5 | s e | | | | | | | | | | | | |
| Database Systems | GEIAL521M-a | no | | | | | 3 | 1 | 5 | s e | | | | | | | | |
| Information Theory | GEMAK122M-a | no | | | | | 3 | 1 | 5 | s e | | | | | | | | |
| Communication Theory | GEVAU212M-a | no | | | | | 3 | 1 | 5 | s e | | | | | | | | |
| Geometric Modeling | GEAGT232M-a | no | | | | | 2 | 2 | 4 | s e | | | | | | | | |
| SPECIALIZATION COURSES | | | | | | | | | | | | | | | | | | |
| Enterprise Application Integration | GEIAK682M-a | no | | | | | 2 | 2 | 4 | s e | | | | | | | | |
| Quality Assurance for Information Technology | GEIAK652M-a | no | | | | | 2 | 1 | 3 | s e | | | | | | | | |
| Protection of Information Systems | GEIAL506M-a | no | | | | | | | | | 2 | 2 | 4 | s e | | | | |
| Mobile Communications | GEVAU221M-a | no | | | | | | | | | 2 | 2 | 4 | s e | | | | |
| Graphics Programming | GEIAL51BM-a | no | | | | | | | | | 2 | 2 | 4 | s e | | | | |
| Parallel Algorithms | GEMAK132M-a | no | | | | | | | | | 2 | 2 | 4 | s e | | | | |
| Data Analysis and Data Mining | GEIAL526M-a | no | | | | | | | | | 2 | 2 | 4 | s e | | | | |
| Mobile Application Development | GEIAL51AM-a | no | | | | | | | | | | | | | 2 | 2 | 4 | s e |
| Text Mining and Analysis | GEIAL527M-a | no | | | | | | | | | | | | | 2 | 2 | 4 | s e |
| Artificial Neural Network | GEIAK631M-a | no | | | | | | | | | | | | | 2 | 2 | 4 | s e |
| OPTIONAL COURSES | | | | | | | | | | | | | | | | | | |
| Introduction to Technical English | GEIAK691M-a | no | | | | | 2 | 2 | 4 | s e | | | | | | | | |
| Physical Basis of Information Technology | GEFIT003M-a | no | | | | | 2 | 2 | 4 | s e | | | | | | | | |
| DISSERTATION/THESIS WORK | | | | | | | | | | | | | | | | | | |
| Degree Thesis A | GEIAK535M-a | no | | | | | | | | | | | 11 | s m | | | | |
| Degree Thesis B | GEIAK536M-a | no | | | | | | | | | | | | | | | 18 | s m |
| OTHER/SPECIAL COURSES | | | | | | | | | | | | | | | | | | |
| Professional Practice | GEIAL533M-a | no | | | | | | | | | | | 2 | s m | | | | |

*Requirements: (e)exam/ (m) practical mark/ (s)signature / (r) report/essay