COMPUTER SCIENCE ENGINEERING MSC COURSE IN ENGLISH

Structure of the Study Program

First semester

Course	Credits	Department
Complexity of Algorithms	5	Institute of Mathematics, Department of Applied Mathematics
Operating Systems and Networks	5	Institute of Information Science, Department of Information Technology
Operation Research and Optimization	5	Institute of Mathematics, Department of Applied Mathematics
Software Engineering	5	Institute of Information Science, Department of Information Technology
Architectures and Embedded Systems	4	Institue of Automation and Communication Technology
Discrete Mathematics	5	Institute of Mathematics, Department of Analysis

Second semester

Course	Credits	Department
Enterprise Application Integration	4	Institute of Information Science, Department of Information Engineering
Database Systems	5	Institute of Information Science, Department of Information Technology
Communication Theory	5	Institue of Automation and Communication Technology
Information Theory	5	Institute of Mathematics, Department of Applied Mathematics
Geometric Modeling	4	Institute of Mathematics, Department of Descriptive Geometry
Quality Assurance for InformationTechnology	3	Institute of Information Science, Department of Information Engineering
Introduction to Technical English	4	Institute of Information Science, Department of Information Engineering
Physical Basis of Information Technology	4	Institute of Physics

Third semester

Course	Credits	Department
Protection of Information Systems	4	Institute of Information Science, Department of Information Technology
Mobile Communications	4	Institue of Automation and Communication Technology
Parallel Algorithms	4	Institute of Mathematics, Department of Applied Mathematics
Graphics Programming	4	Institute of Information Science, Department of Information Technology
Data Analysis and Data Mining	4	Institute of Information Science, Department of Information Technology
Professional Practice	2	Institute of Information Science, Department of Information Technology
Degree Thesis A	11	Institute of Information Science, Department of Information Technology

Fourth semester

Course	Credits	Department
Mobile Application Development	4	Institute of Information Science, Department of Information Technology
Text Mining And Analysis	4	Institute of Information Science, Department of Information Technology
Artificial Neural Network	4	Institute of Information Science, Department of Information Engineering
Degree Thesis B	18	Institute of Information Science, Department of Information Technology