**UPDATED COURSES**

|  |  |  |  |
| --- | --- | --- | --- |
| Course № | Title of the course and in which program it is taught (Bachelor, Master) | Its volume (in ECTS) | Estimate the percentage of the course development |
| Course 1 | Decision theory (Master) | 4 | 10 |
| Course 2 | Digital signal and image processing (Bachelor) | 7 | 10 |
| Course 3 | Fundamentals of algorithmization and programming (Bachelor) | 9 | 10 |
| Course 4 | Digital electronic design (Bachelor) | 14 | 10 |
| Course 5 | VLSI design (Bachelor) | 6 | 10 |
| Course 6 | Technologies of distributed computing and data analysis (Master) | 4 | 10 |
| Course 7 | Applied application of automata theory (Master) | 7 | 10 |
| Course 8 | Neural networks and deep learning (Master) | 2 | 10 |
| Course 9 | Processing, encoding and transmission of images in television systems (Master) | 8 | 10 |
| Course 10 | Designing infocommunication systems on signal processors (Master) | 5 | 10 |
| Course 11 | Designing infocommunication systems on FPGA (Master) | 7 | 10 |
| Course 12 | Technologies for constructing embedded information processing systems (Master) | 9 | 10 |

∑(Total number of updated courses) = 12

∑(Total number of ECTS) = 82

**NEW COURSES**

|  |  |  |  |
| --- | --- | --- | --- |
| Course № | Title of the course and in which program it is taught (Bachelor, Master) | Its volume (in ECTS) | Estimate the percentage of the course development |
| Course 1 | Digital Signal Processing on Satellite Systems (Bachelor) | 2 | 20 |
| Course 2 | CAD tools for design of systems on chip (Bachelor) | 2 | 20 |
| Course 3 | Embedded system and robotic education in a blended learning environment utilizing remote and virtual labs (Bachelor) | 2 | 20 |
| Course 4 | Combined Robotic Platform (Bachelor) | 4 | 20 |

∑(Total number of new courses) = 4

∑(Total number of ECTS) = 10