

Computer Sciences

1 course	ECTS
Ukrainian Language as a Foreign Language	6
Civilization Processes in Ukrainian Society	4,5
Higher Mathematics	15
Physics	8,5
Algorithmization and Programming	11
Administration of Operating Systems	4,5
Algorithms and Data Structures	7
Computer Graphics	7
Practical Training	6

2 course	ECTS
Axiological Competences of an Expert	5
Probability Theory and Mathematical Statistics	3,5
Computer Architecture	4
Object-Oriented Programming	4,5
Operating Systems	3,5
Discrete Mathematics	5
Organization of Databases and Knowledge	3,5
Optimization Methods and Operations Research	3
Computer Networks	5
Designing and Testing of Information Systems	4,5
Computer Educational Practical Training	6
Java Programming	4,5
IT Project Management	3,5

3 course	ECTS
Science of Law	3
Term paper in Organization of Databases and Knowledge	0,5
Modelling of Systems	3,5
Web Technologies and Web Design	7
Intellectual Data Analysis	3,5
Administration and Monitoring of Computer Network Systems	3
Term paper in Computer Networks	0,5
Information Defense in the Information and Communication Systems	3,5
Systems of Artificial Intelligence	3,5
Information Systems in Business	4,5
Game Applications Programming	3
Cloud Computing	3,5
Cross-Platform Programming	3,5

Technologies of Computer Designing	3,5
Systems of Electronic Documentation	3
Project-Technological Training	6

4 course

Civil Security	3
Economics and Enterprise Management	3
Technology of Distributed Systems and Parallel Computing	5
English Language (for professional purposes)	4
Decision making Theory	4
Internet of Things (IoT)	4
SCADA Systems	4
Image Processing Techniques and Computer Vision	4
Software Development for Mobile Devices	5
Technologies, Architecture, Services and Appl	4
Technologies, Architecture and Applications fo	5
Designing and Maintenance of Local Compute	3