COMPUTER APPLICATIONS - MODULE MAP 2024-2025

GROUP	PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4	PERIOD 5 SUMMER STUDIES
BBCAP24A3	Core Competence Introduction to IT Studies CA00EE56-3002 Orientation to Studies CA00EE58-3002 Basics of Programming CA00EE60-3002 Operating Systems CA00EE62-3002 Finnish 1	Core Competence Introduction to Software Development CA00EE64-3002 Databases CA00EE66-3002 Object-Oriented Programming CA00EE68-3002 Basics of Data Analysis CA00EE70-3002 Computer Networks and Security CA00EE72-3002 Finnish 2	Core Competence Web Development CA00EE74-3002 Building a Static Website CA00EE76-3002 Web Programming CA00EE78-3002 Content Management Systems CA00EE80-3002 Finnish 3	Core Competence Cloud Foundations CA00EE82-3002 Finnish 4 TK00EC66-3002 Cloud Services TK00EC68-3002 Cloud-Based Business Solutions TK00EC70-3002 Agile Business Solution Development	Profiling Competence Optional studies 15 op
				Core Competence Software Development CA00EE82-3002 Finnish 4 TK00EC60-3002 Applied Application Project TK00EC62-3002 Software Development Tools TK00EC64-3002 Web Services	
BBCAP23A3	Core Competence Customer Projects CA00EE96-3001 Data Processing with Python CA00EE98-3001 Software Testing CA00EF02-3001 Communication in Customer Projects TK00EC76-3001 Design Factory Project	Core Competence Business Analytics CA00EF04-3001 Predictive Analytics with Python CA00EF06-3001 Foundations of Data Engineering CA00EF08-3001 Digital and Social Media Analytics	Core Competence Automating Business Processes CA00EF10-3001 Software Robotics and Automation CA00EF12-3001 Software Design CA00EF14-3001 Minithesis	Profiling Competence Delivering Software Products TK00ED18-3001 Software Delivery Models & Methods TK00ED20-3001 Web Servers TK00ED22-3001 Containerization TK00ED24-3001 Software Delivery Tools	
				Profiling Competence Backend Web Development TK00EC94-3001 Web Accessibility TK00EC96-3001 JavaScript TK00EC98-3001 Web Framework Project	
				Profiling Competence Data Science TK00ED06-3001 Mathematics for Data Science with Python TK00ED08-3001 Big Data Technologies TK00ED10-3001 Applied Machine Learning	

GROUP	PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4	PERIOD 5 SUMMER STUDIES
BBCAP22A3	Profiling Competence Cloud Computing TK00DJ26-3002 Cloud Computing TK00DJ27-3002 Multicloud Management TK00DJ28-3002 Cybersecurity in Cloud Environments	Profiling Competence Game Engine Development TK00DJ33-3002 3D Modelling TK00EX51-3001 Game Programming TK00EX52-3001 Game Development Project	Profiling Competence Optional studies 15 op	Thesis 15 op	
	Profiling Competence Mobile Programming TK00DH16-3003 Virtualization Techniques for Software Developers TK00DH17-3002 Cross-platform Development TK00DH18-3002 Mobile Programming Project	Profiling Competence ICT Project TK00EX49-3001 ICT Project and Product Planning TK00EX50-3001 ICT Project and Product Implementation			
	Profiling Competence Machine Learning & AI TK00DH12-3002 Solutions in Pattern Recognition TK00DH13-3002 Development of Artificial Intelligence Applications TK00DH14-3002 Artificial Intelligence				