UNDERGRADUATE STUDY PROGRAM BUSINESS INFORMATICS
COMPUTER SCIENCE FACULTY UGD – STIP
4 YEARS STUDY PROGRAM (240 ECTS) and
3 YEARS STUDY PROGRAM (180 ECTS)

2012 / 2013

I SEMESTER

Mandatory courses

CODE	C O U R S E	ECTS	Classes	Semester workload
2FI100112	Mathematics I	8	3+2+2	216
2FI100212	Fundamentals of Computer Programming	8	3+2+2	216
4EK100112	Principles of Economics	6	2+2+1	156
	Faculty elective course CSF	4	2+1+1	120
	Faculty elective course EF	4	2+1+1	120
	Total:	**30**	**12+8+7**	**828**

I SEMESTER

Faculty elective courses CSF

CODE	C O U R S E	ECTS	Classes	Semester workload
2FI130112	Internet Technologies	4	2+1+1	120
2FI130212	Academic Writing	4	2+1+1	120

I SEMESTER

Faculty elective courses EF

CODE	C O U R S E	ECTS	Classes	Semester workload
4EK130412	E-Business	4	2+1+1	120
4EK100312	Microeconomics	4	2+1+1	120

II SEMESTER

Mandatory courses

CODE	C O U R S E	ECTS	Classes	Semester workload
2FI100412	Mathematics II	8	3+2+2	216
2FI100512	Object-oriented Programming	6	2+2+1	156
4EK110112	Basics of Finance	6	2+2+1	156
	Faculty elective course EF	4	2+1+1	120
	University elective course	6	2+2+1	156
UGD102712	Sport and Recreation **	/	0+0+2	30
	Total:	**30**	**11+9+8**	**834**

** - Signature is required for enrollment in second year of the study program

II SEMESTER				
Faculty elective courses EF				
CODE	C O U R S E	ECTS	Classes	Semester workload
4EK120112	Financial Accounting	4	2+1+1	120
2FI110912	Statistics	4	2+1+1	120

II SEMESTER				
University elective courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
	Foreign Language	6	2+2+1	156

III SEMESTER				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI100712	Data Structures and Algorithms	8	3+2+2	216
2FI100812	Visual Programming	8	3+2+2	216
4EK110412	Monetary Economics	6	2+2+1	156
	Faculty elective course EF	4	2+1+1	120
	Faculty elective course CSF	4	2+1+1	120
	Total:	**30**	**12+8+7**	**828**

III SEMESTER				
Faculty elective courses CSF / EF				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI130812	Theory of Probability	4	2+1+1	120
2FI130412	Discrete mathematics	4	2+1+1	120
4EK122012	International Financial Reporting Standards	4	2+1+1	120
4EK122112	Cost Accounting	4	2+1+1	120

IV SEMESTER				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI101012	Database Systems	8	3+2+2	216
2FI102012	Information Systems	6	2+2+1	156
2FI1110 12	Financial Mathematics	6	2+2+1	156
	Faculty elective course EF	4	2+1+1	120
	University elective course	6	2+2+1	156
	Total:	**30**	**11+9+6**	**804**

IV SEMESTER				
Faculty elective courses EF				
CODE	C O U R S E	ECTS	Classes	Semester workload
4EK131912	Marketing management	4	2+1+1	120
4EK132112	Enterpreneurship	4	2+1+1	120

V SEMESTER				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI102912	IT Infrastructure	8	3+2+2	216
2FI101412	Internet Programming	8	3+2+2	216
2FI101512	Operating Systems	6	2+2+1	156
	Faculty elective course EF	4	2+1+1	120
	Faculty elective course EF	4	2+1+1	120
	Total:	**30**	**12+8+7**	**828**

V SEMESTER				
Faculty elective courses EF				
CODE	C O U R S E	ECTS	Classes	Semester workload
4EK111312	Foreign Exchange System	4	2+1+1	120
4EK130612	Marketing research	4	2+1+1	120
4EK103012	Applied Economy	4	2+1+1	120
4EK112512	Electronic Banking	4	2+1+1	120

VI SEMESTER – 3 years study				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
4EK110512	Financial Markets and Institutions	8	3+2+2	216
	Final Exam**	6	0+0+6	144
2FI101112	Computer Networks	6	2+2+1	156
	Faculty elective course CSF	4	2+1+1	120
	University elective course	6	2+2+1	156
	Total:	**30**	**9+7+11**	**792**

VI SEMESTER – 4 years study				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
4EK110512	Financial Markets and Institutions	8	3+2+2	216
4EK120312	Audit	6	2+2+1	156

2FI101112	Computer Networks	6	2+2+1	156
	Faculty elective course CSF	4	2+1+1	120
	University elective course	6	2+2+1	156
	Total:	**30**	**11+9+6**	**804**

**Students enrolled in 3 years study program in VI semester have Final Exam instead of Audit. Students enrolled in 4 years study program after passing all required exams from the study program defend graduation thesis.

VI SEMESTER				
Faculty elective courses CSF				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI132012	Multimedia	4	2+1+1	120
2FI132112	Fundamentals of Data Mining and Warehousing	4	2+1+1	120

VII SEMESTER				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI102112	Computer System Security	8	3+2+2	216
2FI102412	Cloud Computing	8	3+2+2	216
4EK140812	Financial Management	6	2+2+1	156
	Faculty elective course CSF	4	2+1+1	120
	Faculty elective course EF	4	2+1+1	120
	Total:	**30**	**12+8+7**	**828**

VII SEMESTER				
Faculty elective courses EF				
CODE	C O U R S E	ECTS	Classes	Semester workload
4EK110912	Investments	4	2+1+1	120
4EK122212	Analysis of Financial Statements	4	2+1+1	120

VII SEMESTER				
Faculty elective courses CSF				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI133812	Cloud Technologies	4	2+1+1	120
2FI132512	Information Storage and Management	4	2+1+1	120
2FI132712	Human-Computer Interaction	4	2+1+1	120

VIII SEMESTER				
Mandatory courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
	Graduation Thesis	8	0+0+8	192
2FI103112	Management of IT Projects	6	2+2+1	156
4EK110612	Credit Policy	6	2+2+1	156
	Faculty elective course CSF	4	2+1+1	120
	University elective course	6	2+2+1	156
	Total:	**30**	**8+7+12**	**780**

VIII SEMESTER				
Faculty elective courses				
CODE	C O U R S E	ECTS	Classes	Semester workload
2FI133712	Software Engineering	4	2+1+1	120
2FI133012	Cloud Infrastructure and Services	4	2+1+1	120