

**STRUCTURE OF A SINGLE STUDY PROGRAM FOR SOFTWARE ENGINEERING,
SECOND CYCLE OF STUDIES WITH 60 ECTS**

Tenth semester	
Title of the subject	Credits
	ECTS
Elective course (1 of 3):	
Visualization	7
System analysis and design	7
Verification and validation of software	7
Elective subject from the offered electives from a university list of electives	
	5
Master thesis	18
Total	30

Literature	
Subject	Literature
Visualization	<i>Visualizing Data</i> , B. Fry, O'Reilly Media, Inc, 2008
System analysis and design	<i>Systems Analysis and Design</i> , Kenneth E. Kendall, Prentice Hall, 2010 <i>Systems Analysis and Design with UML</i> , Alan Dennis, Barbara Haley Wixom, Wiley, 2015
Diplomatic and consular relations	<i>Software Verification and Validation</i> , Steven R. Rakitin, Artech, 1997 <i>Software Verification and Validation</i> , Marcus S. Fisher, Springer, 2007

With the completion of one year master's studies in the second cycle, a study program in Software Engineering, organized at the Faculty of Informatics, University of Tourism and Management in Skopje, students gain 60 ECTS.