

Institution  
 Faculty, department  
 Study programme, code of study programme  
 Study credits and study form  
 Admission  
 Chairperson of the Study Programme Committee

**Alytaus kolegija**  
 Faculty of Information and Communication Technologies,  
**Department of Information Systems**  
 Information Systems Technologies, 6531BX001  
 180, full-time (3 years)  
 Start to study 2019 September, 2020 February  
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## FULL-TIME STUDY PLAN

SUBJECT	CREDITS
<b>FIRST-YEAR</b>	<b>60</b>
<b>SEMESTER 1</b>	<b>30</b>
<b>General Subjects of College Studies</b>	
Mathematics	6
Foreign Language (English)	6
<b>Compulsory Subjects</b>	
Basics of Programming	6
Operating systems	3
Computer Aided Design	3
<b>Practical training</b>	
Practical Training in Application Programs	6
<b>SEMESTER 2</b>	<b>30</b>
<b>General Subjects of College Studies</b>	
Foreign Language (English)	3
<b>Compulsory Subjects</b>	
Databases	6
Electric Technique For Students of Informatics	6
Numerical methods and Discrete mathematics	3
Objecting - Oriented Programming	6
HTML Technologies	6
<b>SECOND-YEAR</b>	<b>60</b>
<b>SEMESTER 3</b>	<b>30</b>
<b>Compulsory Subjects</b>	
Fundamentals of Law	3
Data Structures and Algorithms	6
Fundamentals of Business	6
Information Systems	6
Data Analysis	3
Environmental and Health Safety	3
<b>Optional Subjects</b>	
Computers and Peripheral Devices / Computer Architecture	3
<b>SEMESTER 4</b>	<b>30</b>
<b>Compulsory Subjects</b>	
Data Security	3
Fundamentals of Computer Networks	6
Programming PHP*	6
<b>Practical training</b>	
Training in Professional Skills	9
Practical Training in Creating Information Systems	3
<b>Alternative Subjects**</b>	
	3
<b>THIRD-YEAR</b>	<b>60</b>
<b>SEMESTER 5</b>	<b>30</b>
<b>Compulsory Subjects</b>	
Virtualization	3
Design of Computer Systems	6
Internet Systems	6
Applied Programming	6
<b>Optional Subjects</b>	
Computer Graphics and Modeling / Multimedia and Internet	3
<b>Practical training</b>	
Practical Training in Programming of Internet Systems	6

<b>SEMESTER 6</b>	<b>30</b>
<b>Compulsory Subjects</b>	
Business Information Systems	3
Application Development	3
Human – Computer Interaction	3
Business Philosophy	3
<b>Practical training</b>	
Speciality Final Practical Training	6
<b>Final Thesis</b>	12

\* – Course Project

\*\* – List of Alternative Subjects [www.akolegija.lt](http://www.akolegija.lt)