

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 2020 September, 2021 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
Fundamentals of Law	3
<b>Compulsory Subjects</b>	
Basics of Programming	6
Introduction to Computer Architecture	3
Operating Systems	3
Databases	3
<b>SEMESTER 2</b>	<b>30</b>
<b>Compulsory Subjects</b>	
Website Development	6
Objecting – Oriented Programming	6
Data Structures and Algorithms	6
Numerical methods and Discrete mathematics	3
Fundamentals of Business	3
<b>Practical training</b>	
Cognitive Practice in the Company	6
<b>SECOND-YEAR</b>	<b>60</b>
<b>SEMESTER 3</b>	<b>30</b>
<b>Compulsory Subjects</b>	
Business Information Systems	3
Database Management Systems	6
Internet Systems	6
Web Design	3
Information Systems	6
Information Systems Programming*	6
<b>SEMESTER 4</b>	<b>30</b>
<b>Compulsory Subjects</b>	
Fundamentals of Computer Networks	3
Data Security and Virtualization	6
Data Analysis	3
Environmental and Health Safety	3
Application Programs	6
Programming for Mobile Devices	6
<b>Alternative Subjects**</b>	3
<b>THIRD-YEAR</b>	<b>60</b>
<b>SEMESTER 5</b>	<b>30</b>
<b>Compulsory Subjects</b>	
IT Project Management	3
<b>Optional Subjects</b>	
<i>Game development Block</i>	
Computer Graphic and Animation	6
Games Programming	6
Application Development*	6
<i>Computer Network Administration Block</i>	

Computer Network Administration	6
Data Storage Technologies	6
Network Security	6

*Programming Block*

Development of Information Systems in Frameworks	
Programming "Windows.NET"	
Interactive Internet Technologies*	
<b>Alternative Subjects**</b>	3
<b>Practical Training</b>	
Training in Professional Skills	6

**SEMESTER 6**

**30**

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<b>Practical training</b>	
Speciality Final Practical Training	18
<b>Final Thesis</b>	12

\* – Course Project

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