

3. INFORMATION ABOUT LITHUANIA, ŠIAULIAI AND ŠIAULIAI STATE COLLEGE

3.4. GENERAL DESCRIPTION OF STUDY PROGRAMMES

3.4.10. INFORMATION SYSTEMS TECHNOLOGY (Code 653E15005)

Qualification Degree and/or Qualification: Professional Bachelor in Information System Engineering

Objectives of the programme:

To prepare a qualified engineer, who meets the requirements of today's labour market. Engineers will be able to analyse technical characteristics of hardware and software, implement information systems in companies; assemble, renew and maintain computers, eliminate work trouble, install and maintain local area networks. The specialists will be able to programme, work with word processors, automatic design and spreadsheet programme packs, databases. They will be aware of the main factors of business environment.

Study modes: full-time, part-time

Specialisations:

- Workgroup System
- Projection, Implementation and Maintenance of Computer Networks

The structure of the study programme:

1 semester		
Subjects	Credits	ECTS credits
Professional Foreign Language	4	6
Mathematics 1	4	6
Physics	4	6
Information Technologies	2	3
Engineering and Computer Graphics	2	3
Discrete Mathematics	2	3
Electrotechnical Materials	2	3
Physical Education		
Total:	20	30

2 semester		
Subjects	Credits	ECTS credits
Professional Language Culture	2	3
Basics of Economics	2	3
Basics of Algorithmization	2	3
Mathematics 2	4	6
Computer Projection	2	3
Electronics and Electrotechnics	4	6
<i>Practice of Information Technologies and Computer Projection</i>	4	6
Physical Education		
Total:	20	30

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3 semester		
Subjects	Credits	ECTS credits
<i>Elective Subjects:</i>	2	3
Philosophy of Technology		
History of Philosophy		
Computer Hardware	2	3
Mechanics	2	3
Management of Operating Systems	5	7.5
Basics of Programming	3	4.5
<i>Practice of Computer Maintenance</i>	4	6
<i>Optional Subject</i>	2	3
Physical Education		
Total:	20	30

4 semester		
Subjects	Credits	ECTS credits
Computer Networks and Telecommunications	3	4.5
Database Management	3	4.5
Object-Oriented Programming	3	4.5
Internet Technologies (Course Paper)	4	6
Practice of Internet Technologies and Programming	5	7.5
<i>Optional Subject</i>	2	3
Physical Education		
Total:	20	30

5 semester		
Subjects	Credits	ECTS credits
Basics of Management	2	3
Data Protection Law	2	3
Management of Information Systems (Course Paper)	5	7.5
<i>Practice of Information Systems</i>	3	4.5
<i>Elective Subjects</i>		
<i>Specialisation: Workgroup System</i>		
Message Exchange and Cooperation System (Course Paper)	4	6
Workgroup System	2	3
<i>Specialisation: Projection, Implementation and Maintenance of Computer Networks</i>		
Network Operating System Administration	2	3
Network Operating Systems (Course Paper)	4	6
<i>Optional Subject</i>	2	3
Civil Safety		
Total:	20	30

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6 semester		
Subjects	Credits	ECTS credits
Environmental and Human Safety	2	3
<i>Elective Subjects</i>		
<i>Specialisation: Workgroup System</i>		
Personal Information Management and Communication System	2	3
Workgroup System	4	6
<i>Specialisation: Projection, Implementation and Maintenance of Computer Networks</i>		
Network Hardware	2	3
Network Protocols	4	6
<i>Pre-graduation Practice</i>	4	6
Graduation Paper	8	12
Total:	20	30