



ŠIAULIŲ
VALSTYBINĖ
KOLEGIJA

ŠIAULIAI
STATE
COLLEGE

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Study programme:

INFORMATION SYSTEMS TECHNOLOGY

(6531BX021)

The study programme aims to train information systems technology specialists capable to:

- design, install and administer information communication technology systems in an organization;
- maintain, improve and manage computer hardware and software, information systems, computer networks;
- independently improve their qualification.

► **DEGREE**

Professional
Bachelor of
Informatics Sciences

► **MODE AND DURATION**

Full-time – 3 years
Part-time 4 years

► **LANGUAGE OF INSTRUCTION**

English

► **GROUP OF STUDY FIELDS, STUDY FIELD**

Informatics Sciences,
Informatics Engineering

► **SCOPE OF THE STUDY**

180 credits (ECTS)

► **TUITION FEE PER YEAR**

Full-time – 2500 EUR
Part-time – 1875 EUR

POSSIBLE CAREER PATHS

A graduate will be able to work as a project manager, head of a branch, designer and programmer of information systems, administrator of databases, administrator of computer networks in companies or enterprises which use computer equipment for their work, computer networks, database management systems and application software.

UNDERGRADUATE DEGREE IN **INFORMATION SYSTEMS TECHNOLOGY** (Project)

I YEAR	Semester I	Subjects	ECTS credits
		Basics of Algorithmization	3
		Discrete Mathematics	4
		Physics	6
		Information Technologies	4
		Internet Technologies	5
		Computer Graphics	3
	Applied Mathematics	5	
	Semester II	Internet Technologies	3
		Computer Graphics	3
		Applied Mathematics	3
		Database Management	6
		Electronics	3
		Basics of Programming	6
Professional Foreign Language / Professional German Language / Professional French Language / Professional Russian Language		6	
II YEAR	Semester III	Subjects	ECTS credits
		Engineering Materials	3
		Computer Hardware	6
		Object-Oriented Programming	5
		Management of Operating Systems	7
		Systems Design Using Framework Interface	3
		Basics of Professional Language	3
	Philosophy of Technology / Sociology	3	
	Semester IV	Object-Oriented Programming	3
		Systems Design Using Framework Interface	3
		Information Security	3
		Computer Networks and Telecommunications	6
		Programming Practice	9
		Human Safety and Ergonomics	3
Professional Ethics / Communication Psychology		3	
III YEAR	Semester V	Subjects	ECTS credits
		Enterprise Economy and Management	5
		Information Systems Engineering	7
		Computer Systems Development Practice	6
		Applied Research Methodology	3
		<i>Specialization: Workgroup System*</i>	
		Interactive Website Development	3
		Programming of Communication Systems	6
		<i>Specialization: Design, Installation and Maintenance of Computer Networks*</i>	
		Computer Network Technologies and Security	9
		<i>Specialization: Programming for Smart Devices*</i>	
	Programming Mobile Android Apps	6	
	Programming Mobile iOS Apps	3	
	Semester VI	<i>Specialization: Workgroup Systems*</i>	
		Interactive Website Development	3
		Implementation and Maintenance of Infrastructure of Workgroup System Server	6
		<i>Specialization: Design, Installation and Maintenance of Computer Networks*</i>	
		Programmatic Network Management	3
		Network Operating Systems, Their Administration	6
		<i>Specialization: Programming for smart devices*</i>	
		Programming Mobile Android Apps	3
		Programming Mobile iOS Apps	6
Final Practice		9	
Final Project	12		

* Elective Specialization Subject