

Full-time first-cycle study plan					
Major: Information Technology					
A. Mandatory interdirectional modules					
LP.	NAZWA MODUŁU/Przedmioty	FORMA ZALICZENIA	SEMESTR	ECTS	LICZBA GODZIN ZAJĘĆ
					RAZEM
<b>1</b>	<b>Introduction to Study</b>	<b>Z</b>	<b>1</b>	<b>1</b>	<b>5</b>
	Safety		1		
	Library		1		
<b>2</b>	<b>Integration week</b>	<b>Z</b>	<b>1</b>	<b>1</b>	<b>25</b>
	Integration week		1		
<b>3</b>	<b>Language module I</b>	<b>O</b>	<b>2</b>	<b>5</b>	<b>50</b>
	Foreign language		2		
	Foreign language e-learning		2		
<b>4</b>	<b>Language module II</b>	<b>O</b>	<b>3</b>	<b>5</b>	<b>50</b>
	Foreign language		3		
	Foreign language e-learning		3		
<b>5</b>	<b>Language module III</b>	<b>E</b>	<b>4</b>	<b>5</b>	<b>50</b>
	Foreign language		4		
	Foreign language e-learning		4		
<b>6</b>	<b>Tutoring I</b>	<b>Z</b>	<b>1</b>	<b>1</b>	<b>21</b>
	Group tutoring		1		
	Individual tutoring		1		
<b>8</b>	<b>Tutoring II</b>	<b>Z</b>	<b>2</b>	<b>1</b>	<b>20</b>
	Group tutoring		2		
	Individual tutoring		2		
<b>11</b>	<b>Competences of the future 1 (Creativity and Team Cooperation)</b>	<b>O</b>	<b>1</b>	<b>5</b>	<b>50</b>
	Introduction to Creativity		1		
	Creative workshop		1		
<b>12</b>	<b>Competences of the future 2 (Entrepreneurship, Job Mobility, Flexibility)</b>	<b>O</b>	<b>2</b>	<b>5</b>	<b>50</b>
	Contemporary environment for the development of entrepreneurship (finance, elements of law and the basics of entrepreneurship)		2		
	Entrepreneurship workshops - case study		2		
<b>13</b>	<b>Competences of the future 3 (Critical Thinking, Organization of Own Work, Dealing with Stress)</b>	<b>O</b>	<b>2</b>	<b>5</b>	<b>50</b>
	Man in a multicultural world (PBL, philosophy, logic, artificial intelligence)		2		
	PBL in Practice - solving real problems		2		
<b>LICZBA GODZIN DYDAKTYCZNYCH</b>				<b>34</b>	<b>431</b>

<b>Full-time first-cycle study plan</b>
<b>Major: Creative Management</b>
<b>B. Mandatory directional modules</b>

LP.	NAZWA MODUŁU/Przedmioty	FORMA ZALICZENIA	SEMESTR	ECTS	LICZBA GODZIN ZAJĘĆ
					RAZEM
<b>1</b>	<b>Algorithms and Data Structures</b>	<b>O</b>	<b>1</b>	<b>5</b>	<b>50</b>
	Algorithms and Data Structures - lecture		1		
	Algorithms and Data Structures - laboratory		1		
<b>2</b>	<b>Discrete Mathematics</b>	<b>O</b>	<b>1</b>	<b>5</b>	<b>50</b>
	Logic and Set Theory		1		
	Probability		1		
<b>3</b>	<b>Introduction to ICT</b>	<b>O</b>	<b>1</b>	<b>5</b>	<b>50</b>
	Mathematical basics of ICT		1		
	Introduction to ICT - lecture		1		
	Introduction to ICT - laboratory		1		
<b>4</b>	<b>Introduction to Programming</b>	<b>O</b>	<b>1</b>	<b>5</b>	<b>50</b>
	Mathematical Basics of Programming		1		
	Introduction to Programming - lecture		1		
	Introduction to Programming - laboratory		1		
<b>5</b>	<b>Artificial Intelligence</b>	<b>O</b>	<b>2</b>	<b>5</b>	<b>50</b>
	Artificial Intelligence lecture		2		
	Artificial Intelligence laboratory		2		
<b>6</b>	<b>Creating Games</b>	<b>O</b>	<b>2</b>	<b>5</b>	<b>50</b>
	Game Art		2		
	Designing and Programming Games		2		
<b>7</b>	<b>Operating Systems</b>	<b>O</b>	<b>2</b>	<b>5</b>	<b>50</b>
	Operating Systems - lecture		2		
	Operating Systems - laboratory		2		
<b>8</b>	<b>Computer Networks</b>	<b>O</b>	<b>3</b>	<b>5</b>	<b>50</b>
	Computer Networks - lecture		3		
	Computer Networks - laboratory		3		
<b>9</b>	<b>Databases</b>	<b>O</b>	<b>3</b>	<b>5</b>	<b>50</b>
	Database Systems - lecture		3		
	Database Systems - laboratory		3		
<b>10</b>	<b>Object-Oriented Programming</b>	<b>O</b>	<b>3</b>	<b>5</b>	<b>50</b>
	Object-Oriented Programming - lecture		3		
	Object-Oriented Programming - laboratory		3		
<b>11</b>	<b>Internet Technologies</b>	<b>O</b>	<b>4</b>	<b>5</b>	<b>50</b>
	Internet Technologies		4		
	UI/UX of Web Applications		4		
<b>12</b>	<b>Introduction to Embedded Systems</b>	<b>O</b>	<b>4</b>	<b>5</b>	<b>50</b>
	Introduction to Electronics		4		
	Programmable Logic Devices		4		
<b>13</b>	<b>Security Foundations</b>	<b>O</b>	<b>4</b>	<b>5</b>	<b>50</b>
	Number Theory in Security		4		
	Security Foundations - lecture		4		
	Security Foundations - laboratory		4		

<b>14</b>	<b>Computer Architecture</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>50</b>
	Computer Architecture		5		
	Computer Architecture and Distributed Processing		5		
<b>15</b>	<b>IoT and Cloud Computing</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>50</b>
	Systemy i platformy zarządzania treścią		5		
	Systemy zarządzania treścią portali internetowych		5		
<b>16</b>	<b>Software Engineering</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>50</b>
	Software Engineering - lecture		5		
	Software Engineering - laboratory		5		
<b>17</b>	<b>Big Data</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>50</b>
	Big Data - lecture		6		
	Big Data - laboratory		6		
<b>18</b>	<b>Diploma Team Project 1</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>50</b>
	Diploma Seminar 1		6		
	Diploma Team Project 1		6		
<b>19</b>	<b>Industry 4.0 &amp; 5.0</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>50</b>
	Industry 4.0 & 5.0 - lecture		6		
	Industry 4.0 & 5.0 - laboratory		6		
<b>20</b>	<b>Diploma Team Project 2</b>	<b>0</b>	<b>7</b>	<b>5</b>	<b>50</b>
	Diploma Seminar 2		7		
	Diploma Team Project 2		7		
<b>LICZBA GODZIN DYDAKTYCZNYCH</b>				<b>100</b>	<b>1000</b>

Plan of full-time first-cycle studies					
Direction creative management					
C. Interdirectional modules to choose from					
LP.	NAZWA MODUŁU/Przedmioty	FORMA ZALICZENIA	SEMESTR	ECTS	LICZBA GODZIN ZAJĘĆ
					RAZEM
1	Selectable interdirectional module 1	O	3	5	50
2	Selectable interdirectional module 2	O	3	5	50
3	Selectable interdirectional module 3	O	4	5	50
4	Selectable interdirectional module 4	O	4	5	50
5	Selectable interdirectional module 5	O	4	5	50
6	Selectable interdirectional module 6	O	5	5	50
7	Selectable interdirectional module 7	O	5	5	50
8	Selectable interdirectional module 8	O	5	5	50
9	Selectable interdirectional module 9	O	6	5	50
10	Selectable interdirectional module 10	O	6	5	50
11	Selectable interdirectional module 11	O	6	5	50
12	Selectable interdirectional module 12	O	7	5	50
<b>LICZBA GODZIN DYDAKTYCZNYCH</b>				<b>60</b>	<b>600</b>

Plan of full-time first-cycle studies					
Direction creative management					
D. Apprenticeship					
LP.	NAZWA MODUŁU/Przedmioty	FORMA ZALICZENIA	SEMESTR	ECTS	LICZBA GODZIN ZAJĘĆ
					RAZEM
	<b>Introduction to Internships</b>	Z	3	1	16
	Meeting with Internship Coordinator				
	Introduction to Internships				
	<b>Practical skills and professional competences I</b>	Z	3	1	10
	Practical skills and professional competences I				
	<b>Practical skills and professional competences II</b>	Z	4	1	10
	Practical skills and professional competences II				
	<b>Practical skills and professional competences III</b>	Z	5	1	5
	Practical skills and professional competences III				
	<b>Practical simulations to prepare for the profession</b>	Z	5	5	50
	Portfolio and basics of practical simulations				
	<b>Internships</b>	Z	6	21	700
	Internships				
<b>LICZBA GODZIN DYDAKTYCZNYCH</b>				<b>30</b>	<b>791</b>
<b>LICZBA GODZIN NA KIERUNKU</b>				<b>224</b>	<b>2822</b>

**Legenda:**

- Z - Zaliczenie
- E - Egzamin
- O - Zaliczenie na ocenę