

Informatics. Programming.

<i>Component Code</i>	<i>Components of the educational and professional program</i>	<i>Credits ECTS</i>	<i>The form of the final control</i>
1. Normative educational components			
Cycle of general training			
OK.1	Foreign language by professional direction	3	Credit
Cycle of professional training			
Psychological-pedagogical and methodical preparation			
OK.2	Modern educational paradigms and methodology of pedagogical research	3	Credit
OK.3	Psychological Principles of Classroom Management	3	Credit
OK.4	Theory and Methods of Teaching Informatics at Specialized School	4	Exam
OK.5	Methods of organizing pedagogical research in informatics	3	Credit
Scientific training			
OK.6	Innovative Digital Technologies in Education	3	Exam
OK.7	Design of software systems	3	Exam
OK.8	Informatics in Extracurricular Education	3	Credit
OK.9	Special workshop on web programming	3	Credit
OK.10	Cross-Platform Programming	3	Credit
OK.11	Computer Games Development	3	Credit
OK.12	Complex Systems Simulation	3	Exam
OK.13	Deep Learning	3	Exam
OK.14	Qualification work	12	Presentation of qualification work
OK.15	Complex Exam in Informatics and Applied Mathematics	3	Comprehensive qualification exam
Practical training - teaching practice			
OK.16	Educational Practice in Educational Institutions	9	Differentiated assessment
OK.17	Educational practice of programming	3	Differentiated assessment
Elective educational components - disciplines of the student's free choice			
Selection of disciplines of general training from the university-wide list			
OK.18	By own choice	3	Credit
OK.19	By own choice	3	Credit
Selection of professional training disciplines by specialty			
OK.20	By own choice	4	Credit
OK.21	By own choice	3	Credit
OK.22	By own choice	3	Credit
OK.23	By own choice	4	Credit
OK.24	By own choice	3	Credit
Volume of normative components		67	
Volume of selective components		23	
The total volume of the educational program		90	