

Speciality code and name	<i>113 Applied Mathematics</i>
Specialization	<i>Applied Mathematics</i>
Qualification level	Third (educational and scientific)
Professional competencies and skills	<p>Doctor of Philosophy in Applied Mathematics is able to obtain the necessary analytical and research skills for a career in science and teaching specific disciplines in management.</p> <p>Employment Opportunities:</p> <p>Doctor of Philosophy in Applied Mathematics is able to hold positions of scientific and pedagogical workers in institutions of higher education; positions of scientific workers in institutions of higher education, research institutes of the National Academy of Sciences of Ukraine and other research centers; carry out professional work and hold executive positions of managers and economists-analysts at enterprises, insurance companies, commercial banks and other financial institutions; to continue studying in doctoral studies for the degree of doctor of sciences.</p>
Mode of studies	Full-time, part-time
Duration of studies	4 years
Educational background requirements	Graduates who obtained a Master's or Specialist's degree.
Scope and structure of the degree program	<p>40 credits, including:</p> <p>compulsory subjects: 30 credits;</p> <ul style="list-style-type: none"> - cycle of natural science (fundamental) training - 18 credits; - cycle of professional and practical training - 12 credits; <p>selective subjects: 10 credits.</p>
List and content of compulsory academic disciplines:	
<p>cycle of general training: Foreign Language in the Scientific Sphere, Philosophy of Science, Modern Information Technologies in Scientific Activity, Management of Scientific Projects;</p>	

cycle of professional and practical training: Numerical Methods of Applied Mathematics, Mathematical and Computer Simulation of Natural, Technological, Economic Processes and Systems.

List and content of selective academic disciplines:

Modern Mathematical Methods of Processing the Results of Experiments and Observations, Numerical Methods for Solving Nonlinear Boundary Value Problems.

Postgraduate practice

Writing thesis