

GRADUATE MODEL 6B05201-ECOLOGY

Competence group

Content of competencies

General cultural (OK)

- Capable of critical thinking, effective communication, teamwork, use of ICT and foreign language in professional activities.

Socio-ethical (SEC)

- Recognizes social responsibility, observes the principles of environmental and professional ethics, and shows a civic position.

Professional (PC)

- 1. Capable of conducting environmental analysis and assessing the state of natural systems.
- 2. Able to develop and implement environmental quality monitoring and management programs.
- 3. Mastery of methods of geoinformation analysis, bioindication and ecotoxicological control.
- 4. Applies methods of mathematical modeling and statistical processing of environmental data.
- 5. Able to assess environmental risks and propose measures to reduce them.

Digital competencies (DCCs)

- Able to use digital platforms (QGIS, ArcGIS, Excel, R, Python) to process, model and visualize environmental data.

Research Competencies (IR)

- Capable of developing and implementing scientific projects, formatting results in the form of publications, reports, reports.