Ministry of Education and Science of Ukraine

The Faculty of Mining and Ecology

Zhytomyr State Technological University

The Dean of the Faculty

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http://www.ztu.edu.ua
https://vk.com/ztueduua
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Advantages of the study at the Faculty:

- ✓ the opportunity to participate in the International Programs and to undergo study courses at the leading European educational institutions of mining and environmental specialization;
- ✓ students' research work at the Faculty Departments; participation in Students Olympiads and competitions of scientific works;
- ✓ active students leisure-time; participation in creative and sport groups;
- ✓ ample opportunities of job placement;

The Department of the Development of Minerals named after Professor Bakka M.T.

The direction of training

"Mining"

the educational-proficiency level – **BACHELOR**

Duration of training – 4 years

Specialty "Development and Extraction of Minerals"

the educational-proficiency level – **SPECIALIST**

Duration of training – 1 year

the educational-proficiency level – **MASTER**

Duration of training – 1,5 year

Fields of activity: surface, underground and combined extraction of non-metal and metal minerals

Possible occupational positions for specialists:

- ✓ mining master;
- ✓ chief production officer;
- ✓ engineer of a department;
- ✓ chief specialist of a department;
- ✓ mining engineer, production engineer;
- ✓ mining engineering inspector;
- ✓ chief engineer;
- ✓ director of mining company;
- ✓ research engineer;
- ✓ teacher of higher educational institutions.

The Department of Mine Surveying

The direction of training

"Mining"

the educational-proficiency level – **BACHELOR**

Duration of training – 4 years

Specialty "Mine Surveying"

the educational-proficiency level – **SPECIALIST**

Duration of training – 1 year

the educational-proficiency level – **MASTER**

Duration of training – 1,5 year

Objects of activity: Earth's surface. Geological prospecting and development. Mineral deposits. Faulting; deformation of Earth's surface and rocks. Structures at underworked sites, natural sites; construction. Extraction industry, construction and architecture, geodetic and hydrographic works, geology and geological prospecting, technical control and conservation of mineral resources.

Possible occupational positions for specialists: mine (open-pit mine) surveyor; engineer-surveyor at specialized surveying bureau; engineer-surveyor at design office or at research and development establishment; surveyor at an enterprise on construction of underground sites (tunnels, underground railway and other underground and surface structures); engineer-geodesist; engineer-topographer of : prospecting party, surveying expedition, architecture and construction offices; research engineer; teacher of higher educational institutions.

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The Department of Ecology

The direction of training

"Ecology, Environment Protection and Balanced Environmental Management"

the educational-proficiency level – **BACHELOR**

Duration of training – 4 years

Specialty "Ecology and Environment Protection"

the educational-proficiency level – **SPECIALIST**
Duration of training – 1 year

the educational-proficiency level – **MASTER**
Duration of training – 1,5 year

Specialty "Radioecology"

the educational-proficiency level – **MASTER**
Duration of training – 1,5 year

Fields of activity: Working out measures on providing balanced environmental management; protection of environment against excessive anthropogenic load; organization and working out measures directed on environmental assessment; optimization of nature resources use; carrying out scientific and pedagogical activity in higher education; organization and working out measures directed both on population protection against negative effect of ionizing radiation and liquidation of radiation contamination effects on environment.

Possible occupational positions for specialists: manager of nature resources use; environment safety inspector; anthropogenic and environmental monitoring state inspector, ecologist, engineer in environment protection, ecology expert, engineer in natural ecosystems restoration, engineer in natural resource management, associate scientists, scientist, assay lab technician, research engineer, civil service specialist,

engineer-radiologist, engineer in radiation safety, engineer in anthropogenic and environmental safety.