VSB TECHNICAL UNIVERSITY OF OSTRAVA | FACULTY OF MINING AND GEOLOGY

Mineral Economics

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Faculty	Faculty of Mining and Geology
Type of study	Bachelor
Language of instruction	English
Code of the programme	B0724A290009
Regular period of the study	3 years
Cost	50,000 CZK per semester
Coordinating department	Department of Economics and Control Systems
Coordinator	doc. Ing. Roman Kozel, Ph.D.
Keywords	management, technology of exploitation and processing raw materials, raw materials, economy

About study programme

We all encounter raw materials on a daily basis because everything around us is made up of raw materials. Look, for example, at the mobile phone you keep in your hand, the T-shirt you wear, or the house you live in.
That is why most trade in the world takes place with raw materials. We will teach you how to make money from raw materials, how to predict price developments not only for oil and electricity, but also for BTC. Thanks to information about mineral deposits, trading with raw materials, processing raw materials and their use in industry, you will find better employment on the labor market.
As a graduate of the Mineral Economics study program, you will be employed in the positions of managers and commodity traders in industrial enterprises and in the financial sector. You can become an official in the state administration and local government, or thanks to the acquired knowledge and skills, you can go into business.
We move with the times, so during your studies you will get to know modern SW, augmented and virtual reality. You will be able to use the newly built laboratories. You can travel to partner universities abroad. We strengthen the team throughout the year at a number of events where you can meet students and teachers in an informal environment and atmosphere.
If you enjoy buying, selling, investing, analyzing or managing and you prefer a personal approach and a family atmosphere, Mineral Economics is the study program for you!

Graduate's employment

Graduates of the study program can find employment in management, or technical functions of enterprises of the mineral-raw materials complex, in management functions of industrial enterprises, state and economic administration bodies from local to central authorities, research organizations and the educational system. Specifically, these types are involved
position: process consultant, business process designer, team leader, manager, product specialist, sales officer, surface mining investment implementation technician, surface mining production preparation technician.

Study aims

The aim of the study is to prepare future commodity managers. In particular, experts in the management and technical-economic functions of industrial enterprises focusing on the extraction and processing of mineral raw materials. The study program also aims to prepare experts to solve the issue of raw materials policy of the state in public administration.

Graduate's knowledge

The importance of the mineral-raw material complex for the national economy and businesses

Classification of mineral resources
Raw material policy of the state
Technology of extraction and treatment of mineral raw materials
Principles of management of mining enterprises
Principles of management of mining enterprises
Principles of forecasting in the field of mineral commodities
Principles of working with management systems
Principles of water management

Graduate's skills

Analyzing supply and demand in mineral markets
Extrapolating trends in commodity markets
Analyzing the activities of a mining company
Applying management principles to a mining enterprise
Designing management systems in the conditions of mining enterprises
Creation of presentations on a professional topic

Graduate's general competence

The graduate is able to identify a problem and, in simple cases, choose the procedure for solving it. He can present and defend his opinions and chosen solution procedures. He is also capable of teamwork. He can study foreign language professional texts, especially in English. The graduate is ready for further education in the field.

Professions

- State Administration Officer
- Business economist
- Investment advisor
- Scientific, research and development worker at universities
- Business manager
- Regional manager
- Manager
- Process specialist

Hard skills

- Knowledge of management
- Knowledge of mining law
- Basics of civil law
- Financial mathematics
- Basics of business law
- Knowledge of creating a business plan
- Project management
- Knowledge of prognostic methods
- Tax system of the Czech Republic
- Orientation in business economics
- Knowledge of mining technology and processing of minerals
- Knowledge of the specifics of mineral markets
- IT skills/knowledge: MS Office, (Easy archive advantage)
- Knowledge of conducting marketing research

- Knowledge of the raw materials policy of the Czech Republic
- Cost reduction methods