

# Mineral Economics

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<b>Faculty</b>	Faculty of Mining and Geology
<b>Type of study</b>	Bachelor
<b>Language of instruction</b>	English
<b>Code of the programme</b>	B0724A290009
<b>Title of the programme</b>	Mineral Economics
<b>Regular period of the study</b>	3 years
<b>Coordinating department</b>	Department of Economics and Control Systems
<b>Coordinator</b>	doc. Ing. Roman Kozel, Ph.D.
<b>Key words</b>	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!

## Professions

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

## Hard skills

- Tax system of the Czech Republic
- Knowledge of creating a business plan
- Knowledge of conducting marketing research

- Cost reduction methods
- Knowledge of management
- Basics of civil law
- Project management
- Knowledge of prognostic methods
- Knowledge of the specifics of mineral markets
- IT skills/knowledge: MS Office, (Easy archive advantage)
- Knowledge of mining law
- Knowledge of mining technology and processing of minerals
- Basics of business law
- Orientation in business economics
- Knowledge of the raw materials policy of the Czech Republic
- Financial mathematics

## **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.