

ECONOMIC CYBERNETICS AND BUSINESS ANALYTICS educational programme will provide you with knowledge and skills in business analysis, the use of modern intelligent mathematical methods and models for the analysis of business processes, programming, and work with software.

## ECONOMIC CYBERNETICS DEPARTMENT

A training facility has been created to bring the educational process closer to the real working conditions of financial institutions and enterprises. It includes:

- financial and analytical training centre;
- ▲ dealing room for training interbank foreign exchange market specialists;
- ▲ SAS software laboratory;
- ▲ specialised IBM technology laboratory.

The academic staff of the department participates in national and international educational projects, in scientific activities, and regularly improves qualification.

Students of the department have repeatedly won prizes in the Ukrainian Olympiads and scientific competitions.



Within the educational programme ECONOMIC CYBERNETICS AND BUSINESS ANALYTICS, you will study:

- ▲ how to collect and process large data arrays;
- ▲ how to analyse information using mathematical modelling in economics;
- ▲ how to identify the customer's business problems and find the most effective solutions to them;
- ▲ how to solve practical problems in the use of programming languages;
- ▲ how to develop software;
- ▲ how to apply information systems and technologies to solve economic problems.

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Specialty 051 **ECONOMICSC**

Educational programme

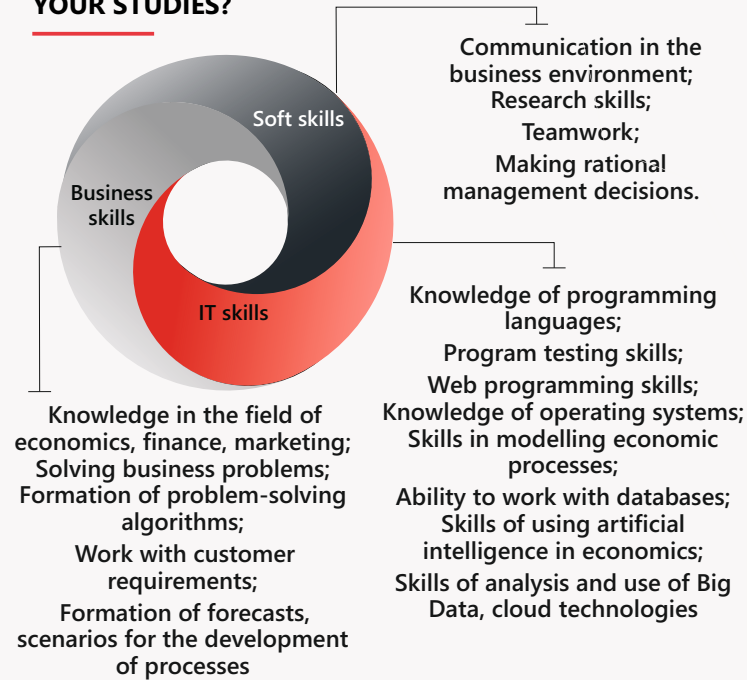
## ECONOMIC CYBERNETICS AND BUSINESS ANALYTICS

Economic Cybernetics Department  
Educational and Research Institute  
of Business, Economics and Management  
Sumy State University

## WHAT ARE THE CAREER OPPORTUNITIES AFTER GRADUATING IN ECONOMIC CYBERNETICS AND BUSINESS ANALYTICS?

- ▲ business analyst in financial institutions;
- ▲ system analyst;
- ▲ project manager;
- ▲ software tester;
- ▲ specialist in the development and maintenance of corporate information systems;
- ▲ database administrator;
- ▲ website administrator;
- ▲ programmer;
- ▲ computer network administrator;
- ▲ economist, banking employee, statistician, broker, dealer.

## WHAT SKILLS WILL YOU GAIN DURING YOUR STUDIES?



## ARE YOU INTERESTED IN SOLVING VARIOUS PROBLEMS AND TASKS? DO YOU WANT TO GET A HIGH-PAYING AND INTERESTING JOB?

*Economic Cybernetics and Business Analytics educational programme is the right choice for you*

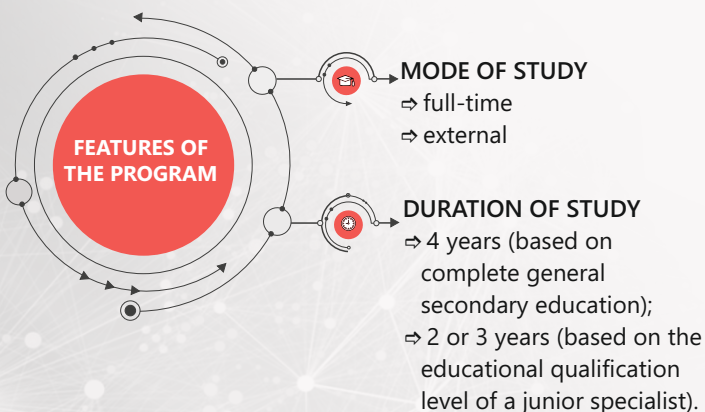
- ▲ the demand for our graduates is guaranteed by a high level of fundamental economic, mathematical and computer training, which forms skills in modelling, programming, using modern information systems and technologies to solve applied economic problems;
- ▲ graduates understand the challenges and opportunities of the current state of the economy and business and offer creative and innovative solutions that allow companies to achieve their goals;
- ▲ cyber economists and business analysts are among the most in-demand professions both today and in the future.

WE TEACH THE PROFESSIONS OF THE FUTURE  
- A SPECIALIST FOR THE DIGITAL ECONOMY

“ You can't manage

what you don't measure ”

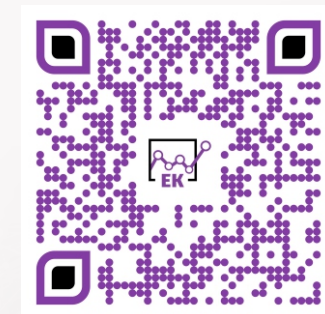
### Specialty 051 ECONOMICS Educational program ECONOMIC CYBERNETICS AND BUSINESS ANALYTICS



### WHAT ARE THE ADVANTAGES OF STUDYING AT THE ECONOMIC CYBERNETICS DEPARTMENT OF SUMY STATE UNIVERSITY?

- ▲ training is carried out by qualified teachers and practitioners;
- ▲ internships and parallel studies at universities in Italy, Germany, Poland and other countries;
- ▲ involvement of students in international grant projects.

Sumy State University is among the best universities in the world according to the Times Higher Education, ranking at positions 501-600 and positions 1-2 among Ukrainian universities. According to THE industry rating, Sumy State University ranks 401-500 in Business and Economics (2nd among higher educational institutions in Ukraine).



For more information, follow the links:

- <https://biem.sumdu.edu.ua/vstup/bakalavrat>
- <https://vstup.sumdu.edu.ua/vstup-do-bakalavraty.html>