

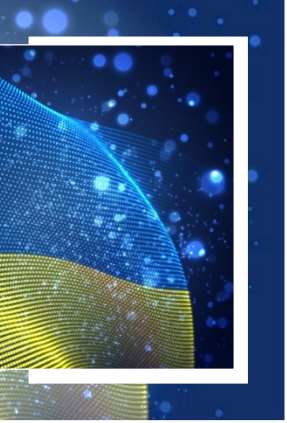


STATE UNIVERSITY OF TRADE AND ECONOMICS

FACULTY OF INFORMATION
TECHNOLOGIES

MASTER'S DEGREE PROGRAMS

- **Digital Economy**
- **Information Technologies
and Business Analytics
(Data Science)**



Master's Degree Program DIGITAL ECONOMY

DURATION

1y 4m

START

September

ECTS CREDITS

90

LANGUAGE

English

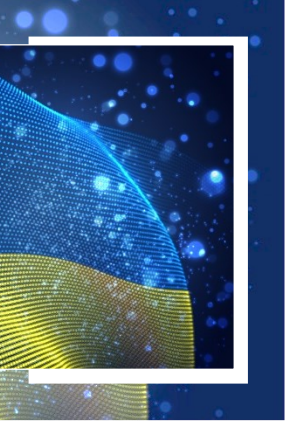
GOAL

Training of students who will be able to create and research mathematical models of the development of various spheres of economic activity in the digital space, implement and use digital technologies for the effective functioning of complex economic objects, processes, and systems.

CORE MODULES:

(45 credits)

- Business Engineering
- Data Analysis Technologies
- Digital Economics of Ukraine
- Intelligent Systems
- Mathematical Methods and Models of Complex Economic Systems
- Mobile Apps Development Technology

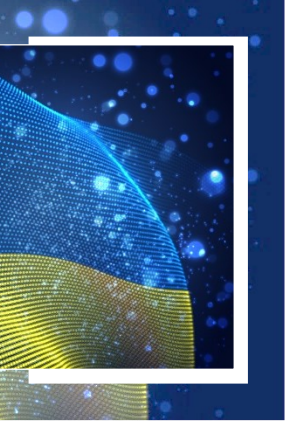


Master's Degree Program DIGITAL ECONOMY

FOCUS AREAS:

- Implementation and use of digital technologies for the effective functioning of complex economic objects, processes, and systems;
- Information support of economic systems in the digital economy;
- Development and implementation of effective solutions to the digitalization of the economy etc.





Master's Degree Program Information Technologies and Business Analytics (Data Science)

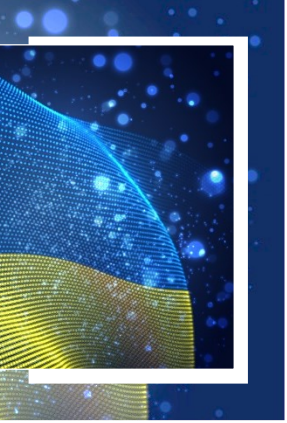
DURATION	START	ECTS CREDITS	LANGUAGE
1y 4m	September	90	English

GOAL

Training of students who will be able to successfully perform complex business analysis in complex systems based on the Data Science system methodology, mathematical methods and software tools using modern information technologies.

CORE MODULES: (45 credits)

- Big Data Analytics
- Design of Recommendation Systems
- English for Data Analytics
- Intelligent Systems
- Knowledge Management
- System Analysis of Complex Economic Systems under Uncertainty
- Theory and Methods of Scientific Research



Master's Degree Program Information Technologies and Business Analytics (Data Science)

FOCUS AREAS:

- Application of the methods of mathematical, computer, and information modeling;
- Application of machine learning and data mining methods, mathematical tools of fuzzy logic and artificial intelligence;
- Application of the forecasting and decision-making models, methods, and algorithms;
- Development of data and knowledge management models;
- Intelligent analysis and Big Data processing, etc.



OPPORTUNITIES:

- Well-balanced programs with appropriate analytical, economic, mathematical, and computer pillars;
- Opportunity to study at the dual Master's degree program “International Business Analytics” at the Bratislava University of Economics and Management (Slovakia) with guaranteed employment in the EU;
- Inclusion of IT business;
- Specialized DE and BA labs etc.



Contact Information

Digital Economy



Information Technologies and
Business Analytics (Data
Science)



Department of Digital
Economy and System
Analysis (SUTE)



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