



Summer university

8 - 22 July 2024

Ekaterinburg, Russia

Apply till: 15 April 2024

[Apply](#)



Price:

Tuition fee - 500\$

Service fee - 500\$

Fee includes:

- Trainings and lectures
- Souvenirs and certificates
- Accommodation
- Meal (breakfasts & lunches)
- Airport transfer (Ekaterinburg)
- Culture activities
- Buddy System support
- Russian language classes



Mechanical Engineering and Robotics

The track offers projects that combine engineering theory and practice, focusing on solution of real work tasks in the fields of mechanical engineering, automation and robotization of the production and separate technological processes, design, analysis and optimization of various mechanisms and machines, mechanical, mechatronic, robotic devices and equipment based on the specifics of their operation and the results of the feasibility study



Projects:

- ✓ Use of advanced engineering technologies to analyze designs and calculate assemblies of machine parts and their optimization
- ✓ Design of automated system for utilization (compression briquetting) of municipal solid waste
- ✓ Applying bio-inspired design to create a gripper for a 6-axes robot
- ✓ Simulation of robotic line for electronics production

Results:

- ✓ 3D model of the mechanism with analyzed loading and movement parameters
- ✓ 3D model of the object, the results of feasibility study and economic calculations needed for the implementation in a real economic sector
- ✓ The projects have multidisciplinary results that include creating 3D hardware models, programming an ARM controller for a robotic cell, designing and simulating a robotic system



Manage, lead, succeed! How to do effective business in the changing world

In this program, we will navigate you through the key megatrends of today economy and business discover specifics of teamwork, communications and leadership in cross-cultural environment to be successful, dive into diversity of business models. We will learn how to apply data analytics for marketing research purposes. Then the program focuses on the challenges and opportunities of effective project management, agile, risk management and logistics solutions in current world



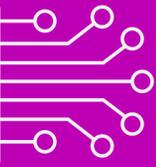
Projects:

- ✓ Project feasibility study
- ✓ Data analytics and marketing research for the projects
- ✓ Organization of a project team work
- ✓ Developing the best business model of a project
- ✓ Managing the risks of a project
- ✓ Partner network development for a project

Results:

- ✓ Extension of the applied knowledge about transformative trends in business and economy
- ✓ Discovering specifics of the project management in the flagman industries
- ✓ Developing the ability to convert the business ideas to business models and solutions
- ✓ Forming the leader mindset to drive cross-cultural teams
- ✓ Training the skills of effective project management in real projects

Information Technology & Artificial Intelligence



The course Information Technologies & Artificial Intelligence

is one of the most relevant and promising areas in the modern world. In this track, students gain knowledge and skills in software development, database creation and management, and learn the fundamentals of artificial intelligence and machine learning



Main units:

- ✓ Business Process Management: concepts and tools (process modeling, UML notations, performance analysis, process optimization and automation)
- ✓ E-Business and Entrepreneurship: e-commerce, digital marketing, business models, and strategies for startups
- ✓ Web Development: HTML, CSS, JavaScript, databases, and server-side programming
- ✓ Big Data Analytics in Business: data collection, storage, processing, and visualization

You will learn:

- ✓ Basic BPM concepts and tools
- ✓ How to identify opportunities, develop business plans, and manage modern businesses
- ✓ Create and maintain modern web applications.
- ✓ Analyze large datasets to extract valuable insights and make informed business decisions

Ural Federal University

Think. Act. Achieve.

Ural Federal University (UrFU) est. 1920 is one of the largest and leading higher educational institutions in Russia bringing together fundamental education and innovative approach towards the challenges of modern times. UrFU is a world-class university in the heart of Eurasia committed to the complex and sustainable development of research and teaching.

40000+

Students

13

Institutes

410+

International partners

4600+

International students

72

Research Excellence Centres

473rd

in QS World University Rankings 2023



Bright university for bright students

Life at the UrFU



UrFU Campus

UrFU facilities ensure students feel comfortable, safe and make the most of their time on campus: classrooms, labs and studios, learning spaces, canteens, performance hall, clinic, sports facilities.

Construction of the new UrFU campus was completed in 2023. New campus is an innovative platform that includes scientific infrastructure, several new dormitories, sports facilities and its own clinic. All conditions have been created for students not only for study, scientific activity, but also for sports and active social life.

🏠 What about accommodation?

Students will live in a new comfort student dormitory with all needed facilities. The rooms are designed for 2 persons (gender separated) and have all necessary furniture, kitchen and bathroom.

20+

Sport facilities

19

Dormitories

164

Laboratories

10

Academic Buildings

7

Student Coworkings

438

Multimedia classrooms





Welcome to Ekaterinburg city

Ekaterinburg is the third largest and one of the most dynamic cities in Russia. It is located on the eastern slopes of the Ural Mountains (2 hours flight east from Moscow) which represents a natural boundary between Europe and Asia. Ekaterinburg is one of the 15 millionaire cities in Russia.

It is a city with a well-developed infrastructure for trade, tourism, hotel business, culture and entertainment, and also a center of science and education..

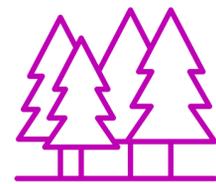
Ekaterinburg in numbers



1,493,600
Population



220
Plants and companies



15
Forest parks



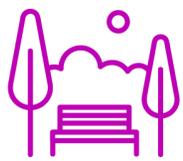
60
Museums



16
Theaters



2500
Restaurants



42
Parks and squares



49
Libraries



23
City malls

Ekaterinburg is the capital of:

MAYONNAISE

URAL BRANDS

FESTIVALS

ROCK MUSIC

PRECIOUS STONES

GASTRONOMY

Summer university culture life



Opening ceremony



Industry visits



Russian culture



Outdoor activities



Sport events



City tour



New friends



Museums



Campus tour