

DIPLOMA
SUPPLEMENT



1943

South Ural
State University

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Chelyabinsk, Russia,
454080

Южно-Уральский
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CODE

10a0586



SUSU

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*COUNCIL OF EUROPE
*EUROPEAN COMMISSION

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named in the original diploma to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

INFORMATION ON THE DEGREE HOLDER / ANGABEN ZUR PERSON DES QUALIFIKATIONSINHABERS /
INFORMATIONS SUR LE TITULAIRE DU DIPLÔME / СВЕДЕНИЯ О ЛИЧНОСТИ ВЛАДЕЛЬЦА КВАЛИФИКАЦИИ

INFORMATION ON THE DEGREE HOLDER

Family name(s) _____ Given name(s)

Date of birth _____ Student identification number or code

INFORMATION ON THE QUALIFICATION / ANGABEN ZUR QUALIFIKATION /
INFORMATIONS SUR LE DIPLÔME / СВЕДЕНИЯ О КВАЛИФИКАЦИИ

INFORMATION ON THE QUALIFICATION

Бакалавр (Bakalavr) / Bachelor

Name of qualification and title conferred

Mechatronics and Robotics
Major: Mechatronics

Main field(s) of study for qualification

Federal State Autonomous Educational Institution of Higher Education
"South Ural State University (National Research University)"

Name and status of awarding institution

Federal State Autonomous Educational Institution of Higher Education
"South Ural State University (National Research University)"

Name and status of institution administering study

English

Language(s) of instruction / examination

INFORMATION ON THE QUALIFICATION LEVEL / ANGABEN ZUM NIVEAU DER QUALIFIKATION /
INFORMATIONS SUR LE NIVEAU DE QUALIFICATION / СВЕДЕНИЯ ОБ УРОВНЕ КВАЛИФИКАЦИИ

INFORMATION ON THE QUALIFICATION LEVEL

Бакалавр (Bakalavr) / Bachelor

Qualification level

4 years, Total: 240 ECTS

Official duration of the programme

Matriculation Certificate, qualifying for enrolling in a higher education institution,
issued in _____

Admission requirements

INFORMATION ON THE CONTENTS AND THE RESULTS GAINED / ANGABEN ÜBER DEN INHALT UND
DIE ERZIELTEN ERGEBNISSE / INFORMATION SUR LE CONTENU ET LES RÉSULTATS OBTENUS /
СВЕДЕНИЯ О СОДЕРЖАНИИ И ПОЛУЧЕННЫХ РЕЗУЛЬТАТАХ

Mode of study - full-time

Admission - the year of 2021; graduation - the year of 2025

Mode of study

Number of subjects - 50, course papers and projects - 8, practice - 14 weeks

Programme requirements

PROGRAMME DETAILS AND ASSESSMENT (CREDITS/HOURS/FINAL GRADES)

№	Module or course	ECTS credits	Hours	Final grades
	Physical Education	2	72	passed
	History	3	108	excellent
	Philosophy	3	108	excellent
	Foreign Language	10	360	excellent
	Business Foreign Language	2	72	passed
	Subject-oriented Foreign Language	2	72	passed
	Legal Science	2	72	passed
	Psychology of Business Communication	2	72	passed
	Economics	4	144	excellent
	Economics of an Enterprise	3	108	excellent
	Algebra and Geometry	4	144	excellent
	Special Chapters of Mathematics	6	216	excellent
	Mathematical Analysis	10	360	excellent
	Physics	12	432	excellent
	Chemistry	4	144	excellent
	Computer Science and Programming	9	324	excellent
	Descriptive Geometry	3	108	excellent
	Engineering Graphics	2	72	excellent
	Computer Graphics	2	72	excellent
	Theoretical Mechanics	6	216	excellent
	Applied Mechanics	3	108	excellent
	Machine Parts and Fundamentals of Engineering	6	216	excellent
	Electrical Engineering	8	288	excellent
	Materials Science	3	108	passed
	Methods and Means of Measurements	3	108	passed
	Technical Means of Automation	3	108	passed
	Physical Fundamentals of Electronics	3	108	excellent
	Physical Fundamentals of Hydraulics	4	144	excellent
	Automatic Control Theory	5	180	excellent
	Computer and Industrial Interfaces and Networks	4	144	excellent
	Object-oriented Programming	4	144	excellent
	Life Safety	3	108	excellent
	Operation and Setting of Mechatronic and Robotic Systems	5	180	excellent
	Introduction to Mechatronics and Robotics	2	72	passed
	Computer Vision	4	144	excellent
	Electric Drive Control Systems	3	108	passed
	Proportional Hydraulic and Pneumatic Automatics	4	144	excellent
	Electrical and Electronic Apparatus	3	108	passed
	Electrical Machines	3	108	excellent
	Power Converter Equipment	4	144	excellent
	Intercultural Communication in Professional Activity	3	108	excellent
	Electronic Devices of Mechatronic Systems	7	252	excellent
	Microprocessor-based Equipment in Mechatronics	5	180	excellent
	Hydraulic and Pneumatic Mechatronic Systems	3	108	excellent
	Electric and Hydraulic Drives of Mechatronic Devices	6	216	excellent
	3D Modeling and Prototyping	3	108	passed
	Diagnostics and Reliability of Automated Systems	4	144	excellent
	Mechatronic Systems	3	108	excellent
	Automation of Typical Technological Processes (in Mechanical Engineering)	4	144	excellent
	Computer-aided Design Systems	4	144	excellent

Total: 240 7560
 including class hours: 2995.75
 including practical training: 21
 including final state attestation: 9

Date: []

Head of Educational Institution: []

Director / Dean: []

Secretary: []



INFORMATION ON THE NATIONAL EDUCATION SYSTEM / ANGABEN ZUM NATIONALEN HOCHSCHULSYSTEM /
INFORMATIONS SUR LE SYSTÈME NATIONAL D'ENSEIGNEMENT SUPÉRIEUR / СВЕДЕНИЯ О НАЦИОНАЛЬНОЙ СИСТЕМЕ ОБРАЗОВАНИЯ

Structure of the education system of the Russian Federation

