



Politechnika Świętokrzyska
Kielce University of Technology

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Kielce University
of Technology

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Kielce University of Technology

Kielce, the city where the University of Technology is located, lies in the very heart of Poland in central Europe, half the way between Warsaw and Cracow. The nearby Świętokrzyskie Mountains are one of the oldest in Europe. A hilly landscape of the city is dominated by large woods, nature and landscape reserves and attractive water reservoirs. The Świętokrzyskie Region boasts clean air and is called the lungs of Poland; 66% of its area is under protection because of special natural values. A great asset of Kielce is numerous picturesque recreational areas and 5 natural reserves spreading within city limits.

About the University. The University is a relatively young institution; it was established only 48 years ago. However, the first Polish technical higher education centre operated here in Kielce in the first half of the 19th century. The University wants to continue those academic traditions.

The University offers high quality education, which is confirmed annually by ratings at top positions in the NEWSWEEK conducted survey, compiled on the basis of the assessment delivered by employers. (In

2008 the University came eighth in all state-run and private higher education institutions in Poland). Many of the University accomplished alumni became owners or executives of production and services companies recognizable in the country and abroad. The successful employment histories of its graduates contribute to the success of the University.

Education. The University has five faculties: Civil Engineering and Architecture, Environmental Engineering, Geomatics and Power Engineering, Electrical Engineering, Automatics and Computer Science, Mechatronics and Machine Design, Management and Computer Modelling. Those comprise 16 fields of study, including new one: Logistics. Engineering courses are compliant with FEANI standards set by the European Federation of National Engineering Associations. From the academic year 2010/11 the University enlarges its educational offer with subjects provided in English, which are parts of the programme provided in Polish. International students can choose subjects from courses offered by five

of our fields of study: Civil Engineering, Environmental Engineering, Mechanical Engineering, Production Management and Engineering, Electrical Engineering. At present, The University educates over 10 000 undergraduate and graduate students.

The University is authorised to confer a doctor's degree in 7 disciplines, namely automatics and robotics, civil engineering, environmental engineering, electrical engineering, mechanics, machine building and operation, production engineering. Moreover, it has a right to award a degree of doctor habilitated in 3 disciplines, i.e. machine building and operation, civil engineering and electrical engineering.

The University has well-equipped specialists laboratories and Poland's only Centre for Laser Technologies of Metals. In many of those laboratories, modern equipment is used to conduct research in civil engineering, environmental engineering, mechanics, electrical engineering, automatics and laser technologies.

Fields of study in English:

- BSc in Civil Engineering

- BSc in Environmental Engineering
- BSc in Modern Mechatronics
- BSc in Electrical Engineering

- BSc in Production Management and Engineering

Facts & figures: Established in 1965 • over 10 000 students (30% women)

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BSc Civil Engineering

Kielce University of Technology

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phone: + 48 41 34 24 444, 34 24 445
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■ **degree**
Bachelor of Science

■ **duration**
7 semesters

■ **language**
English

■ **ECTS points**
210

■ **description**

Graduates have knowledge of the design and construction of buildings for domestic, industrial, communication and civil use, design of the basic building objects and construction elements, technology and building organization, management teams and building companies, production, selection and use of building materials and techniques as well as modern computer technology in engineering practice. Graduates are prepared to manage the execution of all types of construction works, to participate in the design of public, industrial and communication buildings, to organize the production of building components, continuing self-education and professional development. Graduates are prepared to work for companies implementing supervision of construction, factories and concrete building elements, building materials production units and local governments in the construction and architecture sections.

Subjects in English: Engineering Soil Science, Structure Buildings, Renewable Energy, Structure Materials, Behavior under Service Load, Engineering Thermodynamics, Refrigeration and Air, Conditioning Devices, Heat and Mass Transfer in Buildings, Renewable Energy Heating Systems, Heat Generation Devices for Heating Systems, Principles of Waste Management, Rehabilitation of Sewers and Water Supply Systems, New Techniques and, Materials in Trenchless Technology, Microtunneling and Pipejacking, Applications of Trenchless Techniques, Structure Material in Environmental Engineering, Hydrology- Applied, Modern Plastic Pipelines, Engineering Soil Science, Service Load, Strength of Materials, Some Aspects of Materials Strength, Heating, Ventilation Air Conditioning System, Reinforced Concrete Structures.

■ **tuition**
2000 EURO per year

■ **deadline**
See the University website: www.tu.kielce.pl

■ **remarks**
Programme is generally provided in Polish

■ **contact**
Faculty of Civil and Environmental Engineering
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■ **www**
www.tu.kielce.pl

■ **institution**
Kielce University of Technology

■ **education requirements**
Secondary School Certificate

■ **other requirements**
English language – level B2 (Common European Framework)

BSc Electrical Engineering

Kielce University of Technology

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- **degree**

Bachelor of Science

- **duration**

7 semesters

- **language**

English

- **ECTS points**

210

- **description**

Studies are designed to provide graduates the theoretical and practical knowledge in designing, manufacturing and maintenance of electrical equipment, automation, electronics and power electronics, computer technical support, computer and telecommunications systems of measurement (depending on specialty). A thorough technical knowledge gives him the opportunity to work in large or small factories, as well as setting up a business dealing with the distribution, execution and service.

Subjects in English:

Telecommunications in the 21 Century, Teleinformatic Networks, Circuits and Signals, Fundamentals of Electronics, Electromagnetic Field Theory, Analog to Digital and Digital to Analog Processing, PLC Simulation and Programming, Assembly Programming I, Assembly Programming II, Innovation Technology, Intellectual Property, Technology Development, Management & Valuation, Technology Commercialization, Sensors and Actuators in Mechatronics, Computer Graphics, Programming of Computer Graphics, Fault-tolerant Systems, Programming in C I, Programming in C II, Operating Systems, Parallel Programming, Distributed Programming, Basics of Programming I, Basics of Programming II, Aspects of Life in Great Britain.

- **tuition**

2000 EURO per year

- **deadline**

See the University website: www.tu.kielce.pl

- **remarks**

Programme is generally provided in Polish

- **contact**

Faculty of Electrical Engineering, Automatics and Computer Science
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- **www**

www.tu.kielce.pl

- **institution**

Kielce University of Technology

- **education requirements**

Secondary School Certificate

- **other requirements**

Secondary School Certificate English language – level B2 (Common European Framework)

BSc Environmental Engineering

Kielce University of Technology

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■ **degree**
Bachelor of Science

■ **duration**
7 semesters

■ **language**
English

■ **ECTS points**
210

■ **description**

Graduates have knowledge to solve technical and technological problems as well as organizational issues connected with using, transformation and protection of environmental resources. Graduates are qualified to design, construct and operate the following equipment and technology: drawing and distribution of water, neutralization and disposal of wastewater and sewage sludge, waste neutralization, the environmental protection from degradation, design and construction of the internal plumbing in buildings, design and construction of the external water supply and sewage systems, design and manufacturing of heating, ventilation and air-conditioning. Graduates find employment in water supply and sewage companies, in environmental protection offices of industrial companies, in the bodies of local and national government, in design offices and research institutions. Graduates have the ability to use professional literature in the field of environmental engineering. Graduates are prepared to attend the postgraduate studies.

Subjects in English:

Engineering Soil Science, Frost Phenomena in Soils, Heating Ventilation and Air Conditioning Systems, Refrigeration and Air Conditions Devices, Renewable Energy, Principles of Waste Management, Trenchless Techniques, Geomatics, Surveying, Base Photogrammetry, Remote Sensing & Photointerpretation.

■ **tuition**
2000 EUR

■ **deadline**
See the University website: www.tu.kielce.pl

■ **contact**
Faculty of Environmental Engineering, Geomatics and Power Engineering Kielce University of Technology
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■ **www**
www.tu.kielce.pl

■ **institution**
Kielce University of Technology

■ **education requirements**
Secondary School Certificate, Other requirements: English language- level B2 (Common European Framework)

BSc Modern Mechatronics

Kielce University of Technology

address: Al. Tysiąclecia Państwa Polskiego 7, 25-314 Kielce, Poland

phone: + 48 41 34 24 444, 34 24 445

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- **degree**

Bachelor of Science

- **duration**

7 semesters (BSc)

- **language**

English

- **ECTS points**

210 (BSc)

- **description**

Graduates obtain a knowledge of mechanics rules and skills necessary to understand the issues concerning the construction, manufacturing and maintenance machines, are able to design with modern computational tools. Graduates are prepared to implement the processes of manufacture, assembly and optimal operation of machines and technical equipment and modernization. They are able to efficiently use computer techniques. They also receive a fundamental knowledge in the area of management and economics, especially useful when running your own business. Graduates are prepared to work in many industries, especially in machine building industry, as well as design companies and other administrative and educational enterprises.

Subjects in English:

Control Theory I, Digital Systems Processing, Surface Engineering, Physical Fundamentals of Laser and Plasma Technologies, Web Programming, Laser Material Processing, Metrology, Techniques of Production, Operational Research, Circuits and Signals, Data Bases, Discrete Mathematics, Discrete Processes, Experimental Mechanics, Fluid Mechanics, Fundamentals of Machinery Design, General Mechanics, Principles of Material Science, Methods of Discrete Analysis of Structure, Some Aspects of Materials Strength, The Theory of Machines and Mechanisms, The Theory of Vibrations and Machine Dynamics, Thermodynamics, Advanced English, Technical English, Humanistic Course "History of Music".

- **tuition**

2000 EURO per year

- **deadline**

See the University website: www.tu.kielce.pl

- **contact**

Faculty of Mechatronics and Machine Design

Kielce University of Technology

al. Tysiąclecia Państwa Polskiego 7

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- **www**

www.tu.kielce.pl

- **institution**

Kielce University of Technology

- **education requirements**

Secondary School Certificate

- **other requirements**

Other requirements: English language – level B2 (Common European Framework)

BSc Production Management and Engineering

Kielce University of Technology

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phone: + 48 41 34 24 444, 34 24 445
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■ duration

7 semesters (BSc)

■ language

English

■ ECTS points

210

■ description

The programme involves the basic knowledge of mechanics and machine design, the knowledge of economics and management, investment, negotiations, logistics and marketing. Students acquire the knowledge of micro and macroeconomics, consulting and project designing. They learn how to become individual entrepreneurs or part of larger business organizations and use their knowledge as the new elite of computer and linguistically literate technocrats.

Subjects in English:

An Introduction to Chaotic Dynamics and Fractals, Applied Fluid Mechanics, Computation of Energy Efficiency in Buildings, Computational Methods, Ecology and Environment Management, Econometrics, European Union Law, Finance and Banking, Fundamentals of Marketing, Microeconomics, Programming in C++, Statistical Methods of Quality Improvement, Strategic, Marketing, Visual Basic for Applications, Computer-Aided Engineer Works, Cost Calculations for Engineers, Databases, Economy Law, Finance, Innovations in Application of Renewable Energy Sources, Market and Marketing Research, Accountancy, Computer Networks, Computer Statistics, Knowledge Discovery in Databases, Production Management, Application of Numerical Methods in Mechanics, Financial Mathematics, General English, Macroeconomics, Object oriented programming, Corporate finance management, Data exploration for managers and engineers, Financial planning, Management accounting, The firm in the competitive market, Renewable energy sources, Thermal spray technologies, Differential equations in mechanical system, Logistics, Investment projects appraisal, Financial Intermediation, overnment finance, Operation research II, Some aspects of materials strength.

■ tuition

2000 EURO per year

■ deadline

See the University website: www.tu.kielce.pl

■ remarks

Programme is generally provided in Polish

■ contact

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■ www

www.tu.kielce.pl

■ institution

Kielce University of Technology

■ education requirements

Secondary School Certificate

■ other requirements

English language – level B2 (Common European Framework)