



**Politechnika Krakowska
im. Tadeusza Kościuszki
Cracow University
of Technology**

address: ul. Warszawska 24
31-155 Kraków, Poland
phone: +48 12 628 30 44
fax: +48 12 628 20 71
e-mail: kancelaria@pk.edu.pl

Cracow University of Technology

Cracow University of Technology has been successfully educating engineers for over 60 years. Total number of alumni that graduated from our University exceeds 62 000. In May 2008 Cracow University of Technology was rated by the magazine Newsweek Poland as the best university in Poland according to employers who eagerly hire our alumni due to their high qualifications. In October 2010 our prestige was confirmed by honorary title „**the University friendly to employers**”. Such recognition proves that Cracow University of Technology offers attractive, high quality and tailor-made programmes of study responding to market needs. Our alumni find jobs at public and private companies, national and international enterprises, national and regional government administration, in design offices and also at universities and research institutes.

Our Faculty of Architecture earned accreditation of the Royal Institute of British Architects and the Faculty of Mechanical Engineering is the largest faculty of its kind in Poland. Different faculty members cooperate with the European Commission serving as experts and also with various companies and research institutes around the world.

International cooperation. The Cracow University of Technology signed 83 bilateral agreements and 259 Erasmus agreements that allow its students to experience studies abroad not only in countries of the European Union but also in the USA, Canada, Mexico and places as distant as Australia, Japan, Taiwan, Singapore or South Korea. International students are very welcome to our university. They may choose from 2 Bachelor of Science and 11 Master of Science programmes and more than 200

English-taught courses. Such a rich educational offer gives you a chance to undertake ambitious tasks under the supervision of highly qualified teachers of whom many are outstanding specialists and members of international research teams. Each year a group of students from the USA, Canada, Mexico and Australia takes opportunity to enroll for the unique Urban Design International Programme offered in English by the Faculty of Architecture of the Cracow University of Technology. More info on the International Centre of Education at www.educentre.info

Services for students. The Cracow University of Technology has at its disposal about 2200 places in 4 student dormitories on the Czyżyny Campus. International students are offered accommodation in double rooms with shared bathrooms and kitchen. All rooms have Internet connection.

Fields of study in English:

- BSc in Mechanics and Machine Design
- BSc in Computer Science
- MSc in Combustion Engines
- MSc in Computational Engineering
- MSc in Logistics and Supply Chain Management
- MSc in Transportation Management and Railway Vehicle Engineering
- MSc in Road Engineering
- MSc in Advanced Computational Mechanics
- MSc in Chemical Engineering
- MSc in Computer Aided Design in Mechanical Engineering
- MSc in Thermal Power Systems and Installations
- MSc in Oil and Gas Technology
- MSc in Architecture
- MSc in Chemical Processing Engineering
- MSc in Building and Engineering Structures

Facts & figures: Established in 1945 • 1157 academic staff • 17 000 students (about 30% women) • 616 foreign students

Contact: International Relations Office: ul. Warszawska 24, 31-155 Kraków, Poland • phone / fax: +48 12 628 26 42 • e-mail: jolar@pk.edu.pl
• www.bwm.pk.edu.pl

BSc in Computer Science

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ **degree**
Bachelor of Science

■ **duration**
7 semesters

■ **language**
English

■ **ECTS points**
210

■ **description**
This course fulfills basic standards of informatics, including major lectures from the area of algorithms and data structures, microprocessors and architecture of computers, numerical methods, operating systems, programming languages, computer networks, computer graphics, databases, artificial intelligence. The study gives a professional knowledge which allows our graduates for efficient developing and programming applications using C++, Java, PHP etc., designing computer networks and databases. This course also prepares students for designing and working with mechanical engineering applications. Our graduates can work as software developers, network designers, programmers, testers or systemadministrators in a big sector of software developing companies, engineering industry, industrial plants, banks etc.

■ **tuition**
4000 EUR per year

■ **contact**
Cracow Univeristy of Technology
Address: al. Jana Pawla II 37,
31-864 Krakow, Poland
Phone: +48 12 628 33 51,
E-mail: lisowski@mech.pk.edu.pl /Edward Lisowski, Prof. PhD, DSc./

■ **www**
www.bwm.pk.edu.pl

■ **institution**
Cracow Univeristy of Technology Cracow Univeristy of Technology

BSc in Mechanics and Machine Design

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

- **degree**

7 semesters

- **language**

English

- **ECTS points**

210

- **description**

A. GENERAL EDUCATION: 1. Humanistic courses, 2. Intellectual Property Rights, 3. Economics of Enterprises, 4. Foreign Language, 5. Physical Training;

B. BASIC COURSES: 1. Mathematics, 2. Physics, 3. Applied Mechanics, Fluid Mechanics, 4. Information Technology, 5. Informatics, 6. Computational Methods for Engineers, 7. Introduction to FEM and its Engineering Applications, 8. Work Safety and Ergonomics;

C. FIELD COURSES: 1. Machine Design and Operation, Engineering Graphics, 2. Materials Science, 3. Technology Engineering, 4. Technical Thermodynamics, 5. Electrotechnics and Electronics, 6. Automatics and Robotics, 7. Metrology and Measurement Systems, 8. Environment Administration and Ecology, 9. Optional Subjects; Industrial training.

- **tuition**

4000 EUR per year

- **contact**

Faculty of Mechanical Engineering

Cracow University of Technology

Address: al. Jana Pawla II 37,

31-864 Krakow, Poland

Phone: +48 12 628 35 83

E-mail: pcyklis@mech.pk.edu.pl /Blazej Skoczen, Prof., D.Sc., PhD, Eng./

- **institution**

Cracow University of Technology

- **education requirements**

Documents listed at http://www.bwm.pk.edu.pl/Application_Procedure_for_BSc_studies_in_Eng.pdf are to be submitted by 31 May via e-mail to Ms. Kamila Rosciszewska at kamir@pk.edu.pl

MSc in Advanced Computational Mechanics

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ **degree**
2 years (4 semesters)

■ **language**
English

■ **ECTS points**
120

■ **description**

Advanced Computational Mechanics (ACM) is playing an ever-increasing role in the activities of many international scientific institutions, research and development laboratories as well as technological centers. ACM provides a support for many activities related to science and technologies, including the reliability engineering. The use of computers is now essential in the process of design and structural optimization. It begins with the proper choice of modern materials and ends up with setting all the parameters of the final complex product. The aim of this Master Programme in Advanced Computational Mechanics is to provide the student with a solid scientific and technical basis of theoretical and applied mechanics and modern numerical methods. The programme includes compulsory lectures, tutorials, laboratories and practical exercises in computational mechanics. It is thought to equip the students with the set of tools needed in the professional life comprising scientific research, technological development and large European Projects.

■ **tuition**
4000 EUR per year

■ **contact**
Faculty of Mechanical Engineering
Institute of Applied Mechanics
Cracow University of Technology (CUT), Krakow
Address: al. Jana Pawla II 37,
31-864 Krakow, Poland
Phone: +48 12 628 33 84
E-mail: blazej.skoczen@pk.edu.pl /Blazej Skoczen, Prof., D.Sc., PhD, Eng./

■ **www**
www.bwm.pk.edu.pl

■ **institution**
Cracow Univeristy of Technology

■ **education requirements**

Students who have completed Bachelor Programme in Mechanical Engineering or related field and earned Bachelor's Degree are eligible to apply for the programme.

MSc in Applied Computer Science

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ **degree**
2 years (4 semesters)

■ **language**
English

■ **language**
120

■ **description**
Courses offered: Neural Networks, Fuzzy Modelling, Knowledge Eng. and Expert Systems, Computational Geometry, Software Project Management, Distributed Databases, Network Services Programming, Real - Time Systems, Modelling of Discrete Processes, Cax Systems, Computer Image Processing, Computer Methods in Science, High Performance Computing, Embedded and Mobile Systems, Digital and Microprocessor Technology, System Administration, Computer Security. Team Project, Diploma Seminar.

■ **tuition**
4000 EUR per year

■ **contact**
Faculty of Physics, Mathematics and Applied Computer Science
Cracow University of Technology
Address: ul. Podchorznych 1,
30-084 Krakow, Poland
Phone: +48 12 628 27 80
E-mail: akaraf@pk.edu.pl /Assoc. Prof. Andrzej Karafiat/

■ **www**
www.bwm.pk.edu.pl

■ **institution**
Cracow Univeristy of Technology

■ **education requirements**
Students who have completed Bachelor Programme in Computer Science and earned Bachelor's Degree are eligible to apply for the programme.

Msc in Architecture

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

- **degree**
MSc

- **duration**
3 semesters (1,5 year)

- **language**
English

- **ECTS points**
90

- **description**

Study Program lasts 3 semesters. Total number of ECTS credits is 90 (30 per each semester).

Total number of hours is 902 plus 120 for Design Internship after 1st semester. (1st semester: 376h +120h; 2nd semester: 375h, 3rd semester: 151h).

The Master of Architecture study program focuses on a wide range of issues directly affecting contemporary architecture and urban design:

- Architectural and urban design in fields of multifamily housing and public use buildings,
- Spatial and regional planning,
- Preservation of monuments and revalorization together with design for conservation,
- Landscape architecture and architecture and planning in the countryside,
- Building construction systems and building structures,
- Theory of architecture and urban design as well as town and spatial planning,
- History of art and culture,
- Urban transport,
- Ecology and environmental protection,

Design, history, theory, buildings structure technology are taught to prepare students for professional registration as architects in the European Union.

- **tuition**
2000 euros per semester

- **deadline**
November 30th 2013

- **contact**
MA Grażyna Karcz
mail gkarcz@pk.edu.pl

- **www**
<http://www.en.bwm.pk.edu.pl/graduate+studies,s2.html>

- **institution**
Cracow University of Technology

MSc in Chemical Engineering

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ **degree**
MSc

■ **duration**
3 semesters

■ **language**
English

■ **description**

Students acquire theoretical and practical competences in Chemical Engineering, such as in design, implementation and testing of production lines used in chemical industry or related industry branches. There are the following three specialties prepared within the study program: Engineering of Technological Processes, Engineering of Biotechnological Processes, and Engineering of Renewable Energy Sources. Currently, Engineering of Technological Processes is taught, but the other specialties can be implemented as well if students select them. Graduates of the Chemical Engineering program are employed both in management and R&D positions in chemical industry, while some continue their education at doctoral studies. Their extended knowledge and skills acquired in the study enables them to solve engineering and technological problems encountered in industry, improve existing products and processes or develop new ones, design new installations and apply professional engineering software for optimization of industrial processes within the scope of their specialty.

■ **tuition**
4500 EUR per year

■ **deadline**
31 January each year

■ **contact**
International Relations Office
Cracow University of Technology
Warszawska 24
31-155 Krakow, Poland
Phone: +48 12-628-26-42; +48 12 628 27 30; +48 12 628 20 39
E-mail: bwm@pk.edu.pl

■ **www**
www.bwm.pk.edu.pl

■ **institution**
Cracow Univeristy of Technology

■ **next begins**
since mid-February each year

■ **education requirements**

1. Completion of Bachelor Program in Chemistry, Chemical Engineering or a chemistry- related discipline, equivalent to 210 ECTS credits, at the level of not less than 60% of maximum grade points in each credited course.
2. Bachelor Degree in Chemistry, Chemical Engineering or chemistry-related discipline
3. Positive verification of B.Sc diploma and transcript of grades by the Admission Committee.
4. Competency in English at the level of at least B2.

Msc in Civil Engineering

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ **degree**
MSc

■ **duration**
1st cycle 3,5 years , 2nd cycle 1,5 years

■ **language**
English

■ **ECTS points**
210

■ **description**
daytime schedule, 1st cycle (3,5 years)
no specialties
daytime schedule, 2nd cycle (1,5 years)
majoring in:
Building and Engineering Structures,
Road Engineering,
Computational Engineering.

1st cycle study program in English is running for the third year now, while 2nd cycle program majoring in Building and Engineering structures opened for the first time in February 2013. The last two 2nd cycle programs may open, provided that there is a sufficient number of prospective students willing to participate.

There is no tuition for citizens of European Union countries or people of polish origins (holding "Karta Polaka" certificate) only.

Faculty of Civil Engineering also has a very rich offer for foreign students coming to our University within the framework of Erasmus exchange program (51 courses offered during 2013/2014 academic year).

■ **tuition**
2,000 euros per semester

■ **contact**
MA Grażyna Karcz
mail: gkarcz@pk.edu.pl

■ **www**
<http://www.civ-eng.pk.edu.pl/>
<http://www.en.bwm.pk.edu.pl/graduate+studies,s2.html>

■ **institution**
Cracow University of Technology

MSc in Combustion Engines

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

- **degree**

Master of Science

- **duration**

2 years (4 semesters)

- **language**

English

- **description**

Programme of studies on Combustion Engines Speciality enables development of the engineer's skill in the field of mechanical engineering based on the knowledge obtained formerly and application of that knowledge to the construction, technology, testing and use of combustion engines. Graduates of this Speciality have ability of apply of the basic knowledge to solve the technical problems concerned combustion engines of different types and size as well as turbine and jet turbine engines. They obtain also the basic knowledge in the domain of combustion engines testing with use of up-to-date special measurement equipment and advanced computer techniques. Our graduates are familiar with contemporary trends of engine development with particular respect to environment protection requirements. They possess knowledge in the range of technology of new fuels and operation materials. Obtained knowledge and preparation enables getting a job in almost all enterprises connected with machines building and exploitation and particularly in the engine industry – R&D institutes, firms or companies using combustion engines, motor transport companies, diagnostic and service stations and many others.

- **tuition**

4000 Eur per year

- **contact**

Faculty of Mechanical Engineering
Institute of Vehicles and Combustion Engines
Cracow University of Technology
Address: al. Jana Pawla II 37,
31-864 Krakow, Poland
Phone: +48 12 628 35 44, +48 12 628 35 34
E-mail: mbrzez@usk.pk.edu.pl, jdutczak@usk.pk.edu.pl
Marek Brzezanski, PhD, Eng. & Jerzy Dutczak, PhD, Eng., mbrzez@usk.pk.edu.pl, jdutczak@usk.pk.edu.pl

- **www**

www.bwm.pk.edu.pl

- **institution**

Cracow University of Technology

- **education requirements**

Bachelor programme in Mechanical Engineering (or related field) and earned Bachelor's Degree

MSc in Computational Engineering

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ duration

3 semesters

■ language

English

■ description

Besides the courses typically taught at civil engineering graduate studies, like Mechanics of Materials and Structures, Advanced Reinforced Concrete Design, Advanced Steel Design, we offer courses focusing on computer aided engineering. These special courses include: Computer Aided Design, Numerical Methods, Finite Element Method, Algorithms and Data Structures, Selected Topics in Computer Sciences, Computer Graphics, Linear and Nonlinear Programming, Introduction to Artificial Intelligence.

■ tuition

4000 EUR per year

■ contact

Faculty of Civil Engineering
Cracow University of Technology
Address: ul. Warszawska 24,
31-155 Krakow, Poland
Phone: +48 12 628 25 48
E-mail:jpamin@l5.pk.edu.pl /Jerzy Pamin, Assoc. Prof., PhD, DSc, Eng./

■ www

www.bwm.pk.edu.pl

■ institution

Cracow Univeristy of Technology

■ education requirements

Students who have completed Bachelor Programme in Civil Engineering and earned Bachelor's Degree are eligible to apply for the programme.

MSc in Computer Aided Design in Mechanical Engineering

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

- **degree**
Master of Science
- **duration**
2 years (4 semesters)
- **language**
English
- **description**
This programme is mainly focused on improving students' skills in application of computer science (CAD/CAM/CAE systems, artificial intelligence, programming, etc.) in mechanical engineering.
- **tuition**
4000 EUR per year
- **contact**
Faculty of Mechanical Engineering
Institute of Applied Computer Science
Cracow University of Technology
Address: al. Jana Pawla II 37,
31-864 Krakow, Poland
Phone: +48 12 628 33 51
E-mail: lisowski@mech.pk.edu.pl /Prof. Edward Lisowski/
- **www**
www.bwm.pk.edu.pl
- **institution**
Cracow Univeristy of Technology
- **education requirements**
Bachelor programme in Mechanical Engineering (or related field) and earned Bachelor's Degree.

MSc in Logistics and Supply Chain Management

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ degree

Master of Science

■ duration

2 years (4 semesters)

■ language

English

■ ECTS points

180

■ description

A. Human Resources Management, Manager Competencies and Personnel Development, Interpersonal Communication, Selected Problems in Technique and Technology, Modern Structural Materials, Structural strength and durability, Hybrid Systems of Manufacturing, Fundamentals of Manufacturing Processes, Geometrical Product Specification and Measuring Systems, Reverse Engineering, Environmental Preservation and Recycling;

B. Enterprise Management, Business Process Reengineering, Enterprise Information Systems, Virtual Enterprises, e-Business, Integrated Management Systems (ERP, MRP), International Management;

C. Forecasting and Simulation, Forecasting Methods, Simulation of Logistics Systems; D. Project and Innovation Management, Project Management and Risk Analysis, Market Analysis, Searching for Innovative Solutions, Product Lifecycle Management, Quality Management Systems; E. Logistics Management, Aided Decision – Making Systems, Artificial Intelligence in Management, Expert systems in Logistics management, Logistics Audit; F. Logistics Systems and Devices, Auxiliary Transport Devices, Logistics Systems in Enterprises, Regional and International Logistics Systems, Midterm paper, Graduation seminar; G. Dissertation

■ tuition

4000 EUR per year

■ contact

Faculty of Mechanical Engineering;
Institute of Applied Mechanics
Cracow University of Technology
Address: al. Jana Pawla II 37,
31-864 Krakow, Poland
Phone: +48 12 628 27 80
E-mail: jgawlik@mech.pk.edu.pl / Jozef Gawlik, Prof., DSc, PhD, Eng./

■ www

www.bwm.pk.edu.pl

■ institution

Cracow University of Technology

■ education requirements

Students who have completed Bachelor Programme in Mechanical Engineering or related field and earned Bachelor's Degree are eligible to apply for the programme.

■ modes of instruction

English

MSc in Oil and Gas Technology

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ **degree**
Master of Science

■ **duration**
3 semesters

■ **language**
English

■ **ECTS points**
90

■ **description**
Oil and gas are the basic energy sources and the main raw materials for chemical industry. Therefore, experts in Oil and Gas Technology are of high demand almost everywhere in the world. This specialty is offered for the first time entirely in English in the form of 2nd level three-semester studies leading to the degree Master of Science. During the course of study, students will gain expertise in science of petrochemical commodities, technologies of oil and gas mining and processing, technologies of specialty petroleum products, computer-aided design methods of petrochemical processes, as well as advanced chemistry courses necessary for better understanding of the properties of contemporary petrochemical products and their applications. Moreover, the students will learn some aspects of environment protection from contamination by petroleum-based products, methods of handling of accidental oil spills and gas leaks, and, methods of production of various modern environment-friendly fuels, such as LPG, CNG and biofuels. Graduates of Oil and Gas Technology will be well prepared for work in petroleum industry, in the companies related to that industry, such as distribution stations of specialty petrochemical products, design bureaus, and, research facilities, as well as for opening of own small businesses in sales, processing or developing of new products.

■ **tuition**
4000 Eur per year

■ **contact**
Faculty of Chemical Engineering and Technology,
Institute of Organic Chemistry and Technology
Cracow University of Technology
Address: ul. Warszawska 24,
31-155 Krakow, Poland
Phone: +48 12 628 21 11
E-mail: kporz@pk.edu.pl /Krystyna Porzycka-Semczuk, PhD, Eng./

■ **www**
www.bwm.pk.edu.pl

■ **institution**
Cracow Univeristy of Technology

■ **education requirements**
Bachelor programme in Chemistry (or related field) and earned Bachelor's Degree.

MSc in Road Engineering

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

- **degree**

Master of Science

- **duration**

2 years (4 semesters)

- **language**

English

- **ECTS points**

120

- **description**

Applied Mathematics. Engineering Mechanics. Structural Design. Physical Planning. Road Materials. Road and Street Design. Road Pavement Design. Transportation Planning. Traffic Engineering. Computer Science in Road Engineering. Environmental Protection in Road Engineering. Bridges Design. Railway Engineering. Urban Public Transport. Transport Economics. Selected Subjects. Diploma Seminar.

- **tuition**

4000 EUR per year

- **contact**

Faculty of Civil Engineering
Cracow University of Technology
Address: ul. Warszawska 24,
31-155 Krakow, Poland
Phone: +48 12 628 20 28
E-mail: ar@transys.wil.pk.edu.pl /Prof. Andrzej Rudnicki/

- **www**

www.bwm.pk.edu.pl

- **institution**

Cracow University of Technology

- **education requirements**

Students who have completed Bachelor Programme in Civil Engineering and earned Bachelor's Degree are eligible to apply for the programme.

MSc in Thermal Power Systems and Installations

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ duration

2 years (4 semesters)

■ language

English

■ ECTS points

105

■ description

The graduates of Thermal Power Systems and Installation Studies obtain higher education in the field of power engineering, construction of power machines and installations, transmission and distribution of thermal and electric energy. Students acquire an extensive knowledge in the field of heating engineering. They acquire necessary skills to design and operate large thermal-electric power stations and a knowledge in the field of design, construction and operation of individual heating installations. Graduates can carry out process and strength calculations and design power machinery such as steam and gas boilers, electrical generators, pumps, fans, steam and water pipelines. During their studies, students acquire practical skills in power machines design and numerical modeling using commercially available software CAD (Computer aid design), FEM (Finite Element Method) and CFD (Computational Fluid Dynamics). The graduates also become the specialists in the field of renewable resources utilization such as water energy, biomass combustion, solar, wind and geothermal energy, and fuel cells. They are well prepared in the field of nuclear engineering and dissipated energy resources: combustion engine-generator, gas turbine-generator. Students of the Thermal Power Systems and Installation studies acquire the knowledge in the field of the design and operation of the environment protection systems and installations in power engineering.

■ tuition

4000 EUR per year

■ contact

Faculty of Mechanical Engineering
Institute of Process and Power Engineering
Cracow University of Technology
Address: al. Jana Pawla II 37,
31-864 Krakow, Poland
Phone: +48 12 628 35 60
E-mail: taler@mech.pk.edu.pl /Jan Taler, Prof., D.Sc., Ph.D., Eng./

■ www

www.bwm.pk.edu.pl

■ institution

Cracow University of Technology

■ education requirements

Students who have completed Bachelor Programme in Mechanical Engineering or related field and earned Bachelor's Degree are eligible to apply for the programme.

MSc in Transportation Management and Railway Vehicle Engineering

Cracow University of Technology

address: ul. Warszawska 24, 31-155 Kraków, Poland
phone: +48 12 628 30 44
e-mail: kancelaria@pk.edu.pl internet: www.pk.edu.pl

■ degree

Master of Science

■ duration

3 semesters

■ language

English

■ ECTS points

90

■ description

The syllabus of Transportation Management and Railway Vehicle Engineering course meets a growing demand of the international market of transport services. The enrolled students acquire an extensive knowledge in the field of organization, management and operation of modern form of transportation. Special attention is given to the modern railway transportation as well as municipal rail transportation. The acquired competence let the graduates to take part in designing, implementation and also operation management of various transportation systems. It also includes knowledge of transportation systems of large municipal agglomerations, combined transportation and ecological aspects of transportation-environment interaction. The graduates will gain understanding of the modern management methods, planning and organization of transport infrastructure, maintenance, repair as well as implementation of the modern vehicle renewal strategies. During the study graduates will become familiar with software tools for computer aided management, operation, reliability monitoring, analysis of machines and vehicle parts wear, etc. They will be acquainted with methods and resources of prognostic investigations. They will use the modern computer technologies in information systems designing and information processing. They will be able to handle with computerized resources of communication as well as utilize computer simulation methods for transport processes and enterprise modeling. The gained general skills and knowledge in range of Transportation Management and Railway Vehicle Engineering allow the graduates to work in national and international transportation companies, research and development centers, maintenance, logistics as well as start their own business.

■ tuition

4000 per year

■ contact

Faculty of Mechanical Engineering
Institute of Vehicles and Combustion Engines
Cracow University of Technology
Address: al. Jana Pawla II 37,
31-864 Krakow, Poland
Phone: +48 12 628 33 10
E-mail: gzajac@m8.mech.pk.edu.pl /Grzegorz Zajac, PhD, Eng./

■ www

www.bwm.pk.edu.pl

■ institution

Cracow University of Technology

■ education requirements

Bachelor programme in Mechanical Engineering (or related field) and earned Bachelor's Degree