Who are we?
### History

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
<tr>
<td>1948</td>
<td>The Pedagogical Faculty was founded.</td>
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<tr>
<td>1949</td>
<td>The emergence of the Institute of Mechanical and Electrical Engineering (VŠSE).</td>
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<td>1960</td>
<td>VŠSE: the founding of the Faculty of Mechanical Engineering and the Faculty of Electrical Engineering.</td>
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<tr>
<td>1990</td>
<td>VŠSE: The founding of the Faculty of Economics and the Faculty of Applied Sciences.</td>
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28. 9. 1991 The University of West Bohemia was founded
► as a result of a merger of VŠSE with the Faculty of Education.
► At the time of the founding, the university had five faculties.
► Today, the university has nine faculties and two independent university institutes.
The university draws on its tradition of technical specializations that are complemented and enriched by disciplines from the humanities, arts and health care.

Special emphasis is placed on the quality and the high degree of expertise of its graduates.

Excellent basic, applied and contractual research is carried out, in close collaboration with industrial partners.

The university is part of the European area of higher education.
Faculty of Applied Sciences
Ladislav Sutnar Faculty of Design and Art
Faculty of Economics
Faculty of Electrical Engineering
Faculty of Philosophy and Arts
Faculty of Education
Faculty of Law
Faculty of Mechanical Engineering
Faculty of Health Care Studies

Institute of Applied Language Studies
New Technologies – Research Centre
What do we offer?
We educate about **11 000** students in Bachelor’s, Master’s and doctoral programmes in both regular full-time and distance study programmes.

We offer **130** study programmes.

The credit system ensures compatibility of the UWB education system with the requirements of the European Credit Transfer System and the possibility of engaging in interdisciplinary study programmes across faculties.

The **ECTS Label** (European Credit Transfer and Accumulation System) and **Diploma Supplement** certificates confirm that our learning environment fully complies with European standards.
We offer a simple and convenient application process using an electronic application form.

In 2017, we received 13 157 applications for study.

Entrance exams are held in the form of a written tests, or possibly SCIO tests.

In certain disciplines, successfully passing an oral or aptitude test is required for admission.
In the academic year 2016/2017, 2,285 graduates successfully completed their studies.

UWB graduates do not have difficulties finding employment. This is especially true for graduates in technical fields.

The university has an active Alumni Club (2400 members), which organizes a biennial Festival of Graduates (the 5th anniversary in 2018).
Graduates

- June 2018: a campaign aimed at the graduates to make them join the Alumni Club (outdoor – advertisements at bus and tram stops in the city centre, social networks)
We cooperate with universities worldwide
Inter-institutional agreements – Erasmus+ programme
▶ 28 countries of the EU + Norway, Turkey, Macedonia
▶ 328 partner universities
▶ 507 agreements on cooperation

Other Memoranda of Understanding
▶ 40 countries worldwide
▶ 137 partner universities

In 2017: 414 UWB students study abroad / 367 international students study at UWB.
We pay attention to lifelong learning
Institute for Lifelong Learning
- Courses for companies, public authorities and individuals
- Courses for university employees
- Both regular full-time and distance programmes

University of the Third Age
- 14 branches in the Pilsen and Karlovy Vary regions
- 2241 participants in the academic year 2017/2018

Lifelong Learning courses are offered through the faculties and other constituent parts of the university.
We are a barrier-free university
We provide equal opportunities to all students.
Our buildings are wheelchair accessible.
As part of The Information and Counselling Centre of UWB, there is an Advisory and Support Services Centre dedicated to students with special educational needs.
We provide personal, social, legal and academic counseling, assistance services, and the possibility of renting compensatory aids.
9 student dormitories in Pilsen with a total capacity of 2,662 beds.
2 university cafeterias, 3 snack bars, 4 cafés.
5 branches of the University Library.
New modern facilities available in the main library on the university campus in Bory; individual and group study rooms.
The Kulturka Club and Co-Working Centre – a support facility available to students in the city centre.
Družba – The University Cafe for the academic community and general public supporting socially and ecologically responsible businesses.
A wide variety of sports and sports facilities; sports equipment for hire.
Research and development

Popularisation of science

- Cooperation with the Techmania Science Centre
- Science and Technology Days (the 13th anniversary in 2018)
- Summer schools, Children's University and activity camps
- Olympic games of technology and thematic days (e.g. A Day with Physics)

Nearly 70 scientific research and development teams
Achievements in the field of applied research and collaboration with industrial partners

- We cooperate with Czech Television on automatic captioning of live television broadcasts for the deaf.

- In collaboration with the Department of Psychiatry of the University Hospital in Pilsen we are working on the development of a 3D stress simulator, which is helpful in treating alcoholism.

- The University of West Bohemia has developed protective gloves, called SensPro, which are designed for firefighters and allow users to read the temperature on the surface of the glove and the temperature of remote objects by using sensors.

We have obtained 39 patents in the Czech Republic, 4 European patents and 30 patents in the USA, out of which last year 11 in the Czech Republic, 1 in Europe and 14 in the USA.
Research centres

**NTIS**  
New Technologies for the Information Society

**RICE**  
Regional Innovation Centre for Electrical Engineering

**RTI**  
Regional Technological Institute
- New research centres built between 2010–2014 with EU support from the operational programme Research and Development for Innovations.

**NTC**  
New Technologies – Research Centre
- An independent university institute established in 2000.
Research centres

We are focused on research, experimental development and innovations

- Materials research
- Sustainable power production
- Transportation systems
- Industrial technologies
- Control systems
- Informatics and Cybernetics
- Bioengineering
Biggest achievements

- Scientists from the Regional Innovation Centre for Electrical Engineering (RICE) developed an updated version of the **smart firefighting suit** called SmartPRO, which won first prize at the Smart@Fire European Pre-Merchandise Competition in December 2016. The updated version, called **SmartPRO2**, has compact functionality and is cheaper than the previous version.

- A team from the New Technologies for the Information Society Centre (NTIS) focuses on the development of so-called **smart windows** with thermochromic films which regulate the passage of solar radiation in relation to temperature. This phenomenon radically transforms the use of air conditioning in buildings and cars.

- Experts from the Regional Innovation Centre for Electrical Engineering (RICE) designed **safety traffic barriers for road tunnels**. The barriers should prevent drivers from entering a tunnel in case of an emergency situation and thus enhance road safety.
Biggest achievements

Experts from the Regional Innovation Centre for Electrical Engineering (RICE) developed smart protective garments for workers in construction, energy and other industries. The garments include **warning vests** with active illumination using solar energy and **gloves** with integrated lighting using an intelligent energy harvesting system. Additionally, smart protective **boots** indicate the presence of a dangerous voltage level by using electrodes integrated into the soles.

Experts from the Faculty of Mechanical Engineering have created virtual **animated 3D models** with in-situ projections which are used to train new employees. These models are perfect for businesses with significant staff turnover.
For 22 years we have been organizing a Job Fair, which is the largest trade fair of this kind in the Czech Republic (in 2018: **150** exhibitors, **4,500** visitors).

We cooperate with the representatives of the city of Pilsen and the Pilsen Region in the following ways: conferences, seminars, joint projects, business vouchers, UWB teachers serving as members in expert committees, cultural projects.

We build strong relationships with business, industrial and public administration entities – students are involved in “real-world” projects (e.g. sociological surveys for the Municipality of Pilsen).

In 2017, we opened a kindergarten for children of employees and students.
We are ready for the arrival of the fourth industrial revolution.

Within Industry 4.0, we respond to the new development areas: robotics, automation, new materials.

We prepare professionals able to work in a combination of disciplines, since demand for new specializations is expected.

We are prepared to assist students who have not yet decided about their future careers. We can help them discover what they are good at: we want to work with their individuality, while maintaining a focus on quality and the high degree of expertise of our graduates.

Our advantage is the symbiosis of engineering sciences and humanities: humanities and artistic disciplines bring a human dimension to new technologies.
Thanks for your attention.