



West Pomeranian
University of Technology
Szczecin

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Erasmus+
at
Faculty of Computer Science
and Information Technology



Faculty of
Computer Science
and Information Technology

Zilina, 16.03.2016

Szczecin, Poland

Area 301 km²

Population (2011)

- City 407,811
- Metro 777,000



Szczecin

- vast green areas
- more than half of the city's area is either blue (water) or green (park or forest)!
- marine character (port)
- star-shaped street layout – „Paris of the north”
- unique architecture (concert hall won architectural nobel price)
- Pionier - the oldest cinema in the world





How to reach

by air 

- SZZ (Szczecin Goleniów Airport) – 45 km
 - via Warszawa Okecie (Polish Airlines LOT)
- BER (Berlin: TXL Tegel and SXF Schonefeld) – 150 km
 - convenient bus (2,5h)
- WAW (Warszawa Okecie) – 520 km

by train 

- direct connections with
 - Warsaw (5h)
 - Poznan (2,5h)
 - Gdansk (5h)
 - Wrocław (5h)
 - Kraków (8h)
- regular connections of Deutsche Bahn with:
 - Berlin (ca 2 hours, 8x a day)
 - Lubeck (ca 5 hours, 7x a day)



West Pomeranian
University of Technology
Szczecin

Over 10,000 students

Over 900 university professors and lecturers

47 fields of studies

About 140 scientific projects with external funding

Budget: over 40M EUR

10 faculties:

- Biotechnology and Animal Husbandry
- Civil Engineering and Architecture
- Computer Science and Information Technology
- Economics
- Electrical Engineering
- Environmental Management and Agriculture
- Maritime Technology
- Food Sciences and Fisheries
- Mechanical Engineering
- Chemical Engineering



Mobility



Erasmus+

extended ERASMUS Charter 2014-2020

MOBILITY projects since 1999/2000

2015/2016:

160 partner universities,

140 outgoing students (studies/placement),

220 incoming students (studies/placement),

60 teaching placements

17 training placements

Incoming students

Exchange students (1-2 semesters, English offer)

Placements under Erasmus+ programs (min. 2 months)

Full programs (instruction in Polish)

ACADEMIC SERVICE

- accommodation in dormitories
- student - buddies
- website www.erasmusplus.zut.edu.pl/eng
- www.facebook.com/ZUT-ERASMUS
- information packages
- integration activities (cultural trips, projects, parties)
- Polish language and culture course (4ECTS)

Incoming students



Accomodation

Single room: 450 PLN / month (ca. 110 euro)

Double room: 315 PLN / month (ca. 75 euro)



Faculty of computer Science and Information Technology

Two fields of studies:

- Computer science & information technology
- Digitization engineering

BSc, MSc, PhD levels

Over 1300 students

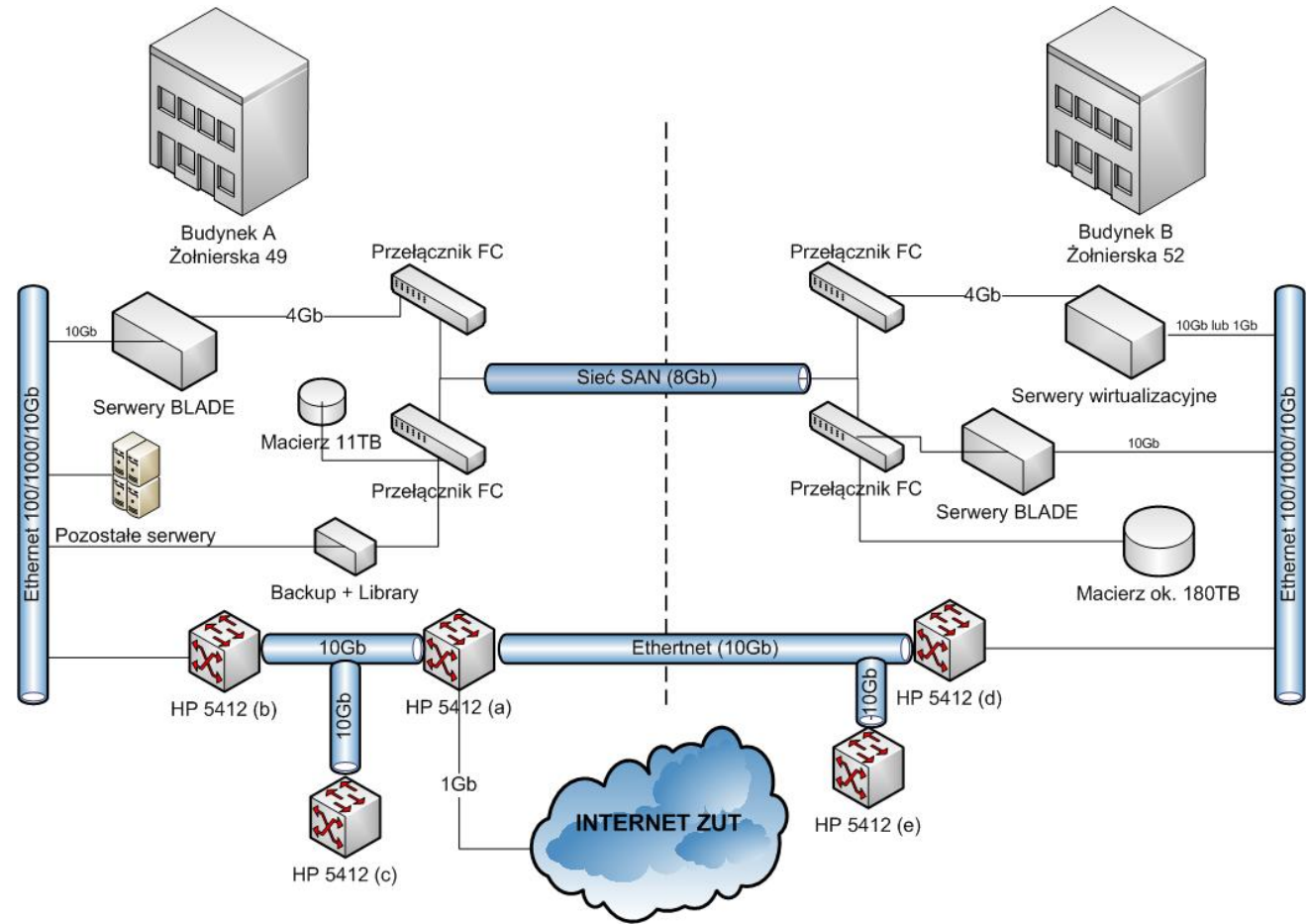
Almost 90 professors and lecturers

Specializations:

- computer systems and software
- software engineering
- Internet for management
- project management
- computer graphics and multimedia systems
- computer systems and mobile technologies
- intelligent computer systems



Faculty's infrastructure



Specialized laboratories

- HP Lab
- Samsung Labo
- Technical systems
- Power computing
- Mobile systems
- Intelligent monitoring
- Printing and digital media



Courses in English

	Course title	Semester	ECTS points
01	Algorithmic tricks in Digital Signal & Image Processing	W/S	4
02	Computer and telecommunication networks	W/S	4
03	Computer network design fundamentals	W/S	4
04	LaTeX – document preparation system for engineers	W/S	2
05	Digital watermarking	S	2
06	Audio signal processing	S	2
07	Computer System Architecture	W/S	4
08	FPGA Design and reconfigurable computing	W/S	4
09	Microprocessor design and soft-processors	W/S	5
10	Brain-Computer Interface	W/S	4
11	Mobile Application Development	W/S	4
12	Bash – command language interpreter	W/S	2
13	Programmable control devices	W/S	2
14	Data Analysis and Machine Learning	W/S	3

Courses in English

	Course title	Semester	ECTS points
15	Data Mining Algorithms	W/S	3
16	Introduction to Artificial Intelligence	W	3
17	Methods of Artificial Intelligence in Computer Games	S	3
18	Pattern Recognition Methods	S	3
19	Expert systems	S	2
20	Heuristic Optimization Methods	S	3
21	Knowledge extraction from data with rough set method and its applications	W/S	3
22	Essentials of fuzzy logic and its application to system modeling and control	W/S	5
23	C# Programming Language	W/S	4
24	Hidden Markov models and its applications	W/S	4
25	Artificial neural networks and their application in system modeling	W/S	3
26	CAD/CAE Systems	W/S	2
27	The Multi-Criteria Decision-Making Methods	W/S	5
28	Intro to Mathematical Programming	W/S	6

Courses in English

	Course title	Semester	ECTS points
29	Intro to Statistic: Making Decisions Based on Data	W/S	6
30	Methods of optimization	S	2
31	Decision making under uncertainty	W/S	3
32	Color Management	W/S	4
33	Computer modelling and simulation	W/S	5
34	Lean Management	W/S	5
35	Data processing in online marketing and management systems	W/S	4
36	Data processing and personalization of web systems	W/S	4
37	Dynamic websites and documents	W/S	2
38	Dynamic documents programming	W/S	2
39	Software Testing	W/S	4
40	Java J2EE	W/S	4
41	Java programming	S	6
42	Spring Framework Programming	W	6

Courses in English

	Course title	Semester	ECTS points
43	Creative problem solving	W/S	3
44	Digital image processing	W	4
45	Computer Music	W	4
46	Compilers	W/S	6
47	Optimizing Compilers	W/S	6
48	Parallel Programming	W/S	6
49	Cloud programming	W/S	4
50	Software requirements engineering and designing	W/S	4
51	HTML5 application design and development	W/S	2
52	Printed and digital publication design	W/S	2
53	e-Learning Systems	W/S	2
54	Computational Photography	W/S	3
55	Computer Games Programming	W/S	5
56	Video surveillance systems	W/S	4

Courses in English

	Course title	Semester	ECTS points
57	Digital Photography	W	3
58	EEG signal processing	W/S	5
59	Construction and the use of 3D printer	W/S	4
60	Database systems	W/S	6

www.erasmusplus.zut.edu.pl/eng/courses-list.html



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Thank you for your attention!

www.erasmus.zut.edu.pl/en



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