



Faculty of Civil Engineering
Warsaw University of Technology

Presentation of specialisations for the academic year 2026/2027

April 23rd, 2026

17:15 — 19:00

200

years of
Warsaw University
of Technology

Prof. Artur Zbiciak

Vice-Dean for International Cooperation



MEETING PLAN

Presentation of specialisations for the 2026/2027 academic year

Civil Engineering

April 23rd, 2026

17:15 — 19:00

17:15 — 17:30

Introduction

prof. dr hab. inż. Artur Zbiciak

Vice-Dean for International Cooperation

17:30 — 17:45

Presentation of specialisation: CES

Civil Engineering Structures

dr inż. Wioleta Barcewicz, prof. uczelni

dr inż. Marta Lutomirska

dr inż. Kostiantyn Protchenko

17:45 — 18:00

Presentation of specialisation: CEM

Construction Engineering and Management

dr inż. Maja Kępiak

dr inż. Paweł Nowak

18:00 — 18:15

Presentation of specialisation: SB

Sustainable Building

dr inż. Artur Mischczuk

18:15 — 19:00

Questions ???



STUDY PROGRAM

Civil Engineering Faculty WUT
 Field of study: Civil Engineering
 Level of study: first degree (B.Sc.)
 Profile of education: general academic
 Form of study: full-time in English

Wydział Inżynierii Lądowej PW
 Kierunek studiów: Budownictwo
 Poziom kształcenia: studia I stopnia
 Profil kształcenia: ogólnoakademicki
 Forma studiów: stacjonarne anglojęzyczne

FIRST DEGREE STUDIES (B.Sc.): INFORMATION ON THE CURRICULUM

Study Programme is Valid for Students Starting Education in Academic Year starting from 2014/2015 or later

Course Unit	First Year				Second Year				Third Year				Fourth Year														
	sem.1		sem.2		sem.3		sem.4		sem.5		sem.6		sem.7		sem.8												
	h	ECTS	W	C	L	P	h	ECTS	W	C	L	P	h	ECTS	W	C	L	P									
1 Foreign Language*																											
2 HC – Elective					30	2	30																				
3 HC – Decision Making and Negotiation Theory								15	1	15																	
4 HC – Fire Safety											15	1	15														
5 Mathematics I - Calculus	60	5	30	30	60	6	30	30																			
6 Mathematics II - Algebra with Geometry	60	6	30	30																							
7 Mathematics III - Numerical Methods								45	3	15	30																
8 Physics I **					30	3	30																				
9 Physics II - Experimental Physics								30	2	30																	
10 Physics III - Building Physics										45	3	15	30														
11 Building Chemistry	60	5	30	30																							
12 Building Materials					45	4	15	30	75	6	30	45															
13 Theoretical Mechanics					75	7	30	30	15																		
14 Descriptive Geometry	30	3	15	15	30	2	15	15																			
15 Technical Drawing	30	3		30	30	2		30																			
16 Surveying	45	3	15	15	30	3	15	15																			
17 Information Technologies **	45	3	15	30																							
18 Informatics					30	3	30																				
19 Strength of Materials								90	7	45	23	22	90	7	45	15	15										
20 Mechanics of Structures												60	4	30	15	15	60	5	30	15	15						
21 Technology and Organization of Building Works									60	4	60	60	4	60													
22 HC – Basis of Economics																	30	2	30								
23 Basics of Organization and Management																											
24 Transportation Engineering								45	4	30	15	45	3	45													
25 Engineering Geology									45	3	15	15	15														
26 Fundamentals of Building								60	4	30	30	45	4	15	30												
27 Timber Structures									30	2	15	15															
28 Soil Mechanics and Geotechnical Engineering												60	4	30	30	75	5	30	15	30							
29 Concrete Structures												60	4	30	30	60	5	30	15	15							
30 Metal Structures												60	4	30	30	60	5	30	30								
31 Fundamentals of Bridge Engineering																60	3	30	30								
32 Basics of Underground Structures																30	2	15	15								
33 Sanitary Installations																			30	2	15	15					
34 Electrical Installations																			30	1	30						
35 Hydraulics and Hydrology												30	2	15	15												
36 Obligatory Diploma Profiles																			240	16							
37 Elective Diploma Profiles																			90	6							
38 Diploma Seminar																					30	2	30				
39 Dissertation and Defence																						15					
40 Scientific and Patent Information												6	0	6							2	1	2				
41 Physical Education and Sports	30	0	30		30	0	30		30	0	30																
42 Practice***																							12				
Total classes in semester	362				390				435				420						441				420		452		30
Classes per week	24				26				29				28						29				28		30		2
ECTS per semester	28				32				30				30						29				31		30		30
ECTS per year					60				60				60						60				60		60		60
Accumulated ECTS	28				60				90				120						149				180		210		240

* - C1 exam can be passed in any semester until the 8-th semester;
 ** - courses with elective versions;
 *** - 12 weeks of practice;

Notation: W-Lecture; C-Tutorial; L-Laboratory; P-Project

<https://www.il.pw.edu.pl/en/studia-anglojzyczne/#Study-programmes>



Before the beginning of the winter semester,
students of the sixth semester BSc program
should choose **a specialisation.**



Three specialisations are offered in the 2026/2027 academic year:

- **Civil Engineering Structures**
- **Construction Engineering and Management**
- **Sustainable Building**

Only one specialization will be launched—the one that receives the most student votes.



Diploma Specialization

Course Unit	sem.7					
	h	ECTS	W	C	L	P
Civil Engineering Structures Diploma Specialization (CES)						
Architecture and Urban Planning (CES, CEM, SB)	45	3	15			30
Computer Methods in Civil Engineering	45	3	15	30		
Concrete Structures III	60	4	30			30
Metal Structures III	60	4	30			30
Building Physics II (CES)	30	2	15			15
Elective Courses (3 Courses 30/2 Each)	90	6				
Construction Engineering and Management Diploma Specialization (CEM)						
Architecture and Urban Planning (CES, CEM, SB)	45	3	15			30
Computer Methods in Management	45	3	15	30		
Selected Technologies of Building Works	15	1	15			
Costs and Effectiveness of Investment	30	2	15	15		
Asphalt Composites Technology	30	2	10		20	
Mineral Composites Technology	45	3	15		30	
Polymer Composites Technology	30	2	10	10	10	
Production Processes	30	2	15			15
Elective Courses (2 Courses 30/2 Each)	60	4				

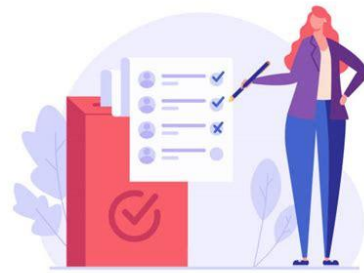
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Course Unit	sem.7					
	h	ECTS	W	C	L	P
Transportation Engineering (TE)						
Architecture and Urban Planning (TE)	45	3	15			30
Computer Methods in Transportation Engineering	45	3		45		
Road Engineering	45	3	15			30
Railway Engineering I	45	3	15			30
Earthworks and Earth Structures	30	2	15			15
Technology of Road Materials and Pavements	30	2	10		20	
Elective Courses (3 Courses 30/2 Each)	90	6				
Sustainable Building (SB)						
Architecture and Urban Planning (CES, CEM, SB)	45	3	15			30
Computer Methods in Energy Efficient Building	45	3	15	30		
Sustainable Building Design	45	3	15	30		
Sustainable Building Materials	30	2	15		6	9
Building Physics II (SB)	45	3	15			30
Architectural Aspects of Sustainable Development	30	2				30
Elective Courses (3 Courses 30/2 Each)	90	6				

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VOTING

1) 23.04. - 03.05.2026

In the period from 23rd April 17:15 to 3rd May 23:59, students should declare their preferences (**voting by USOSweb**):

- 1 - for the first choice,
- 2 - for the second choice,
- 3 - for the third choice.

Please enter a selected number for each specialisation.

While the round is open, students can change their choice multiple times.

**2) The Dean will decide on the specialisation launch between
May 4–8**



3) **May – September 2026**

Before the start of the winter semester, students in the 6th semester of the BSc program are required to select the following courses:

- one Elective Humanities Course (HC Elective).
- two or three Elective Courses, depending on the chosen specialisation, which will be taken in the 7th semester.

The enrolment process is conducted exclusively online via USOSweb.



ELECTIVE COURSES

<https://www.il.pw.edu.pl/en/studia-anglojezyczne/#Elective-courses>

ELECTIVE COURSES AY 2026/2027 CIVIL ENGINEERING, FIRST DEGREE STUDIES (B.Sc.)

	Course title	Person Responsible / Group instructor	Form: lectures (L), classes (C), computer labs (CL) Number of groups (max. number of students)	Department
			winter semester 2026 7th semester of study	
1	Application of Non-destructive Methods in Civil Engineering	prof. dr hab. inż. Andrzej Garbacz	L 15h; C 15h 1 gr. (30 pers.)	ZIMB
2	Computer Systems for Structural Analysis	dr inż. Bartosz Grzeszykowski	CL 30h 2 gr. (20 pers.)	ZKBiM
3	Design of Building Structures Using 3D+ BIM Model	dr inż. Ireneusz Czmocho	CL 30 1gr. (20 pers.)	ZMBiZI
4	FRP Composites for Civil Engineering Structures	dr inż. Marek Urbański	W20 C10 1 gr. (30 pers.)	ZKBiM
5	Implementation of BIM in Design of Structures	dr inż. Kostiantyn Protchenko	CL 30 1gr. (20 pers.)	ZKBiM
6	Materials and Pavement Technology	dr hab.inż. Jan Król, prof. uczelni	W10 C20 1 gr. (30 pers.)	ZTBD
7	Organization of Investment Process	dr inż. Hubert Anysz / mgr inż. Andrzej Foremny	C 30h 1 gr. (30 pers.)	ZIPiZwB
8	Design of deep excavations in urban areas	dr hab. inż. Monika Mitew-Czajewska, prof. uczelni	C15 CL 15 1 gr (20 pers.)	ZGMiBP
9	Road Design	prof. dr hab. inż. Piotr Olszewski	L 15h; C 15h 1 gr. (30 pers.)	ZITiG

HC-ELECTIVE

	Course Title	Person responsible	Winter semester 2026 7th semester of study	Division
1	Extreme Construction	dr inż. Piotr Narloch	W 30	WIL
2	Philosophy, Psychedelics and AI	dr hab. Bartłomiej Skowron	W 30	WAIiNS



- Descriptions of the courses are available on the Faculty website.
- The selection of the elective courses is organised in three rounds.
- Only courses with the highest enrolment will be opened.
- You can log in many times during each round and modify your declaration.
- After closing the first round, the list of available courses will be modified. Courses with the lowest enrolment will be closed (removed from the list for the next round). Select another course from the actual list (remaining courses) when a course you selected has been deleted.



4) September – October 2026

Until 30.09.2026 – all Supervisors will provide a list of proposed diploma topics.

October 2026 – Students select the diploma Supervisors.

It's mandatory:

- Don't hesitate to contact a potential Supervisor,
- Please ask for the topic and shortly discuss possibilities to conduct the thesis
- If you have the topic and Supervisor, please enrol on the specific Supervisor's list in USOS.





Civil Engineering Structures: CES

- dr inż. Wioleta Barcewicz, prof. uczelni
- dr inż. Marta Lutomirska
- dr inż. Kostiantyn Protchenko

Construction Engineering and Management: CEM

- dr inż. Maja Kępnia
- dr inż. Paweł Nowak

Sustainable Building: SB

- dr inż. Artur Miszczuk



Good luck with
making the right
choice for your
future!