

PLAN OF STUDIES

FACULTY: Civil Engineering

Attachment no. 5 to the program of studies

MAIN FIELD OF STUDY: Civil Engineering

EDUCATION LEVEL: ~~first-level (licencjat/inżynier) studies / second-level studies / magister uniform studies*~~

FORM OF STUDIES: full-time studies / ~~part-time studies*~~

PROFILE: general academic / ~~practical*~~

SPECIALIZATION: Civil Engineering

LANGUAGE OF STUDY: English

Resolution of the Senate of Wrocław University of Science and Technology no. xxx from xx.04.2019 r.

In effect since 1.10.2019 r.

Prerequisites for specializations

Civil Engineering CEB

Specialization is intended for graduates of all universities that meet the general requirements of competence for candidates to study a second degree at WBLiW at the Wrocław University of Technology - the graduation degree in the fields of construction or similar (called "related fields-of-study") in the Law Building and regulations issued thereunder). Requires possessing of the knowledge and skills (learning outcomes) for the civil engineering field of study, according to the program of study at the Faculty of Civil Engineering of WUT. Students not meeting this requirement, you should complete the missing knowledge in the context of self-education (literature is given). Foreign candidates, not speaking Polish language, are also accepted for the studies.

List of obligatory blocks

List of general education blocks

List of basic science blocks

List of main-field-of-study blocks

List of specialization blocks

List of elective blocks

List of general education blocks

List of basic science blocks

List of main-field-of-study blocks

List of specialization blocks

<i>Elective blocks from block B:</i>		0	0	0	0	0	0	0	0	1	2		1	2
FLH020361	Ethics in engineering													
	<i>Etyka inżynierska</i>													
FLH020461	Ethics in business													
	<i>Etyka w biznesie</i>													
Total in semester:		12	14	4	4	3	3	7	7	1	2	4	27	30

Year I, semester 2

Code no.	Block name	lec		cl		lab		proj		sem		E/GK	Total block	
		h	ECTS	h	ECTS	h	ECTS	h	ECTS	h	ECTS		h	ECTS
CEB007962	Dynamics	1	2	0	0	1	1	0	0	0	0	E	2	3
	<i>Dynamika budowli</i>													
CEB005362	Computational mechanics	1	1	0	0	2	2	0	0	0	0		3	3
	<i>Metody komputerowe</i>													
CEB008662	Construction techniques and processes	1	1	0	0	0	0	2	2	0	0	E	3	3
	<i>Technologia robót budowlanych</i>													
CEB004462	Apartment building	2	2	0	0	0	0	1	1	0	0		3	3
	<i>Budownictwo mieszkaniowe</i>													
CEB003962	Underground structures – urban infrastructure	2	2	0	0	0	0	2	2	0	0	E	4	4
	<i>Budownictwo podziemne – infrastruktura miejska</i>													
CEB004062	Railways	2	1	0	0	0	0	2	2	0	0		4	3
	<i>Koleje</i>													
CEB004162	Roads, streets and airports	2	2	0	0	0	0	2	2	0	0		4	4
	<i>Drogi, ulice i lotniska</i>													
CEB008062	Bridges	2	2	0	0	0	0	2	2	0	0	E	4	4
	<i>Mosty</i>													
Elective blocks from block C:		0	0	3	2	0	0	0	0	0	0		3	2
JZL100710BK	Język obcy – inny niż na I st., poziom co najmniej A1/A2													
	<i>Foreign language – second, at least level A1/A2</i>													
Elective blocks from block W:		0	0	1	1	0	0	0	0	0	0		1	1
WFW010000BK	Zajęcia sportowe – wybór sekcji													
	<i>Optional sports</i>													
Total in semester:		13	13	4	3	3	3	11	11	0	0	4	31	30
Total accumulated:		25	27	8	7	6	6	18	18	1	2	8	58	60

Year II, semester 3

Code no.	Block name	lec		cl		lab		proj		sem		E/GK	Total block	
		h	ECTS	h	ECTS	h	ECTS	h	ECTS	h	ECTS		h	ECTS
CEB008563	Construction project management	1	1	1	2	0	0	0	0	0	0		2	3
	<i>Zarządzanie przedsięwzięciami budowlanymi</i>													
CEB009863	Master thesis seminar	0	0	0	0	0	0	0	0	2	3		2	3
	<i>Seminarium dyplomowe</i>													
CEB099963	Master thesis (MSc)												10	18
	<i>Praca dyplomowa magisterska</i>													
<i>Elective blocks from block 1</i>		1	1	0	0	1	2	0	0	0	0		2	3
CEB006063	Artificial intelligence in civil engineering													
	<i>Sztuczna inteligencja w budownictwie</i>													
CEB006163	Modern testing methods for non-destructive inspection of building structures													
	<i>Nowoczesne metody badań nieniszczących konstrukcji budowlanych</i>													
CEB007063	Advanced building physics													
	<i>Zaawansowana fizyka budowli</i>													
CEB006363	Hydrology for building engineers													
	<i>Hydrologia dla inżynierów budowlanych</i>													
CEB006863	Effective properties of composites – introduction to micro-mechanics													
	<i>Właściwości efektywne kompozytów – wprowadzenie do mikromodelowania</i>													

<i>Elective blocks from block 2</i>		1	1	0	0	0	0	1	2	0	0		2	3
CEB006563	Pre-stressed concrete structures													
	<i>Betonowe konstrukcje sprężone</i>													
CEB006663	Timber structures													
	<i>Konstrukcje drewniane</i>													
CEB006763	Conservation and strengthening of monumental heritage structures													
	<i>Konserwacja i wzmacnianie konstrukcji zabytkowych</i>													
CEB006963	Methods of applied statistics (geo-statistics)													
	<i>Metody statystyki stosowanej geostatystyka</i>													
CEB008263	Sustainable housing													
	<i>Budownictwo zrównoważone</i>													
Total in semester:		3	3	1	2	1	2	1	2	2	3	0	8	30
Total accumulated:		28	30	9	9	7	8	19	20	3	5	8	66	90

lec	28.0	42.4%	CNPS	2685 h	(WF - 15 ZZU, 1 ECTS, 15 CNPS)
cl+lab+proj+sem	38.0	57.6%	ZZU	990 h	
			1 ECTS	30 h	CNPS
cl	9.0	13.6%			
lab	7.0	10.6%			
proj	19.0	28.8%			
sem	3.0	4.5%			

E – obligatory exam

GK – group of courses (one credition)