PAŃSTWOWA WYŻSZA
SZKOŁA ZAWODOWA w ELBLĄGU

INSTYTUT POLITECHNICZNY

# PLAN STUDIÓW

STUDIA PIERWSZEGO STOPNIA - STACJONARNE
**Profil praktyczny**

**Kierunek: BUDOWNICTWO**
*dotyczy studentów rekrutowanych w roku 2021 i latach kolejnych*

Załącznik nr 1
do Uchwały Senatu Nr …/2021
Państwowej Wyższej Szkoły Zawodowej w Elblągu
z dnia 24 czerwca 2021r.

| L.p. | Nazwa przedmiotu | L. egz. | ECTS p. wyk. | ECTS z. prakt. | ECTS z NA | ECTS | Ogólnie liczba godzin | w tym w | w tym ć | w tym l | w tym p/s | sem I w | sem I ć | sem I l | sem I p/s | sem I e | sem I ECTS | sem II w | sem II ć | sem II l | sem II p/s | sem II e | sem II ECTS | sem III w | sem III ć | sem III l | sem III p/s | sem III e | sem III ECTS | sem IV w | sem IV ć | sem IV l | sem IV p/s | sem IV e | sem IV ECTS | sem V w | sem V ć | sem V l | sem V p/s | sem V e | sem V ECTS | sem VI w | sem VI ć | sem VI l | sem VI p/s | sem VI e | sem VI ECTS | sem VII w | sem VII ć | sem VII l | sem VII p/s | sem VII e | sem VII ECTS | sem VIII w | sem VIII ć | sem VIII l | sem VIII p/s | sem VIII e | sem VIII ECTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A.** | **PRZEDMIOTY KSZTAŁCENIA OGÓLNEGO** | | **6** | **0,6** | **12,8** | **24** | **420** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Język obcy | 1 | | | 6,2 | 12 | 150 | | 150 | | | | 30 | | | | 2 | | 30 | | | | 2 | | 30 | | | | 2 | | 30 | | | | 2 | | 30 | | | E | 4 | | | | | | | | | | | | | | | | | |
| 2 | Technologie informacyjne | 0 | | | 1,2 | 2 | 30 | | 30 | | | | | 30 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Bezpieczeństwo pracy i ergonomia | 0 | | | 0,6 | 1 | 15 | 15 | | | | 15 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Ochrona własności intelektualnej | 0 | | | 0,5 | 1 | 15 | 15 | | | | 15 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Podstawy przedsiębiorczości | 0 | | 0,6 | 1,1 | 2 | 30 | 15 | 7 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 7 | | 8 | | 2 |
| 6 | Przedmiot humanistyczny lub społeczny | 0 | 4 | | 2,4 | 4 | 60 | 60 | | | | 30 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | | | 2 |
| 7 | Kultura społeczna i zawodowa | 0 | 2 | | 0,8 | 2 | 60 | 26 | | | 34 | | | | | | | 10 | | | 5 | | 0,5 | 4 | | | 11 | | 0,5 | 8 | | | 7 | | 0,5 | 4 | | | 11 | | 0,5 | | | | | | | | | | | | | | | | | |
| 8 | Wychowanie fizyczne | 0 | | | | 0 | 60 | | 60 | | | | 15 | | | | | | 15 | | | | | | 15 | | | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **B.** | **PRZEDMIOTY PODSTAWOWE** | | **0** | **2,6** | **18** | **39** | **436** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Matematyka | 2 | | | 6,1 | 13 | 150 | 90 | 60 | | | 45 | 30 | | | E | 7 | 45 | 30 | | | E | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Metody statystyczne w technice | 0 | | | 1,2 | 2 | 30 | 15 | | 15 | | | | | | | | | | | | | | 15 | | 15 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Fizyka | 1 | | | 3,5 | 8 | 83 | 45 | 38 | | | 30 | 23 | | | E | 5 | 15 | | 15 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Chemia | 0 | | | 2 | 4 | 45 | 24 | | 21 | | 24 | | 21 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Geologia | 0 | | | 1,2 | 3 | 30 | 15 | | 15 | | | | | | | | 15 | | 15 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Mechanika ogólna | 1 | | 1,4 | 2,8 | 6 | 68 | 30 | | 38 | | | | | | | | 30 | 38 | | | E | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Metody obliczeniowe | 0 | | 1,2 | 1,2 | 3 | 30 | 15 | | 15 | | | | | | | | | | | | | | 15 | | 15 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **C.** | **PRZEDMIOTY KIERUNKOWE** | | **26** | **85,2** | **67,3** | **134** | **1719** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Rysunek techniczny z elementami geometrii wykreślnej | 0 | | 7,1 | 4 | 8 | 115 | 25 | | 60 | 35 | 25 | | 30 | 30 | | 6 | | | 30 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Geodezja | 1 | | 2,8 | 2,5 | 5 | 60 | 30 | | 15 | 15 | | | | | | | 30 | | 15 | 15 | E | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Materiały budowlane | 1 | | 4,8 | 3,7 | 8 | 97 | 37 | | 45 | 15 | | | | | | | 22 | | 15 | | | 3 | 15 | | 30 | 15 | E | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Wytrzymałość materiałów | 1 | | 2,7 | 4,1 | 8 | 105 | 45 | 45 | 15 | | | | | | | | | | | | | | 30 | 30 | | | E | 5 | 15 | 15 | 15 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Mechanika budowli | 1 | | 4,9 | 4,1 | 8 | 105 | 45 | 30 | | 30 | | | | | | | | | | | | | | | | | | | 30 | 30 | | | | 4 | 15 | | | 30 | E | 4 | | | | | | | | | | | | | | | | | |
| 6 | Budownictwo ogólne | 2 | | 6 | 4,6 | 10 | 120 | 60 | | | 60 | | | | | | | | | | | | | 30 | | | 30 | E | 5 | 30 | | | 30 | E | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Mechanika gruntów | 1 | | 2,5 | 2,5 | 5 | 60 | 30 | 15 | 15 | | | | | | | | | | | | | | | | | | | | 30 | 15 | 15 | | E | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Fundamentowanie | 0 | | 3,5 | 2,6 | 5 | 75 | 30 | | 30 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | 15 | | 5 | | | | | | | | | | | | | | | | | |
| 9 | Konstrukcje betonowe | 1 | | 6,8 | 5,8 | 11 | 150 | 75 | | 15 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 15 | 30 | | 5 | 45 | | | 30 | E | 6 | | | | | | | | | | | |
| 10 | Konstrukcje metalowe | 1 | | 5,5 | 4,6 | 9 | 120 | 60 | | 8 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 8 | 22 | | 4 | 30 | | | 30 | E | 5 | | | | | | | | | | | |
| 11 | Instalacje budowlane | 0 | | 3,2 | 2,8 | 5 | 68 | 30 | | 22 | 16 | | | | | | | | | | | | | | | | | | | 30 | | 22 | 16 | | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Budownictwo komunikacyjne | 0 | | 2,9 | 2,7 | 5 | 75 | 45 | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | | | 30 | | 5 | | | | | | | | | | | |
| 13 | Fizyka budowli | 0 | | 1,8 | 1,4 | 3 | 42 | 20 | | 12 | 10 | | | | | | | | | | | | | | | | | | | 20 | | 12 | 10 | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Hydraulika i hydrologia | 0 | | 2,3 | 1,8 | 4 | 45 | 15 | 15 | 15 | | | | | | | | | | | | | | 15 | 15 | 15 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Technologia i organizacja robót budowlanych | 1 | | 4,6 | 3,8 | 8 | 105 | 60 | | | 45 | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | 30 | | 4 | 30 | | | 15 | E | 4 | | | | | | | | | | | |
| 16 | Ekonomika budownictwa | 0 | | 1,2 | 1,1 | 2 | 30 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 15 | | | 2 | | | | | | | | | | | | | | | | | |
| 17 | Kierowanie procesem inwestycyjnym | 0 | | 1,8 | 1,6 | 3 | 45 | 30 | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | 15 | | 3 |
| 18 | Wprowadzenie do BIM | 0 | | 0,8 | 0,6 | 1 | 15 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | 10 | | | 1 |
| 19 | Przedmioty wybieralne | 0 | 21 | 15 | 11,7 | 21 | 257 | 82 | | 75 | 100 | | | | | | | | | | | | | 15 | | 15 | 15 | | 4 | | | | | | | | | 30 | | | 2 | 37 | | 30 | 45 | | 10 | | | | | | | 30 | | | 40 | | 5 |
| 20 | Projekt przejściowy | 0 | 5 | 5 | 1,3 | 5 | 30 | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 5 | | | | | |
| **D.** | **PRAKTYKI, DYPLOMY - moduły do wyboru** | | **46** | **45,6** | **34** | **51** | **45** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Praktyka zawodowa | 0 | 33 | 33 | 32 | 33 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | 6 | | | | | | | | | | | | | | | | | | | E | 27 | | | | | |
| 2 | Seminarium dyplomowe | 0 | 1 | 0,6 | 0,6 | 1 | 15 | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 1 | | | | |
| 3 | Pracownia dyplomowa | 0 | 2 | 2 | 1 | 2 | 30 | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 2 |
| 4 | Przygotowanie do egzaminu dyplomowego | 0 | | | | 5 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | 5 |
| 5 | Praca dyplomowa | 0 | 10 | 10 | 0,4 | 10 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | 10 |
| | **RAZEM** | **15** | **78** | **134** | **132,1** | **248** | **2620** | **1107** | **450** | **446** | **615** | **184** | **98** | **81** | **30** | **2** | **30** | **167** | **113** | **90** | **20** | **3** | **30,5** | **139** | **90** | **90** | **71** | **3** | **30,5** | **163** | **105** | **64** | **63** | **2** | **33,5** | **154** | **30** | **98** | **138** | **2** | **30,5** | **187** | **0** | **30** | **150** | **3** | **30** | **0** | **0** | **0** | **45** | **1** | **33** | **110** | **7** | **10** | **93** | **0** | **30** |
| | **Godzin rocznie** | | | | | | **175** | | **2618** | | | | **393** | | | | | | **390** | | | | | | **390** | | | | | | **395** | | | | | | **420** | | | | | | **367** | | | | | | **45** | | | | | | **220** | | | | |

**Praktyka zawodowa I: sem. IV - 22 dni**
**Praktyka zawodowa II: sem. VII - 98 dni**

**Obowiązuje od: 2021-10-01**

**Zmiany:**
17-06-2010 31-03-2011 #########
29-01-2009 30-06-2011 2019-09-26
15-05-2008 25-09-2012
08-11-2007 29-05-2014
27-09-2017

**Zatwierdzony**
**przez Senat PWSZ w Elblągu**
**w dniu 24.06.2021 roku**

**REKTOR**