

Program studiów na kierunku OCHRONA ŚRODOWISKA

niestacjonarne studia I stopnia (inżynierskie)

| Lp. | Wyszczególnienie | S godzin | Wykłady | Konw. & Sem. | Ćwiczenia | | | Σ ćw. + sem. | Liczba godzin w semestrze | | | | | | | | | | | | | | forma zaliczenia | ECTS w semestrze | | | | | | | Σ ECTS | | |
|------------------|--|-------------|------------|--------------|------------|------------|-----------|--------------|---------------------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----|---|
| | | | | | aud. | lab. | ter. | | 1 | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 1 | | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
| | | | | | | | | | | w. | ćw. | w. | ćw. | w. | ćw. | w. | ćw. | w. | ćw. | w. | ćw. | | | | | | | | | w. | | ćw. | |
| 29 | GRUPA TREŚCI PODSTAWOWYCH | 551 | 185 | 0 | 65 | 301 | 0 | 366 | 75 | 116 | 45 | 98 | 45 | 131 | 20 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | |
| 1 | Język obcy | 84 | | | | 84 | | 84 | | 21 | | 21 | | 21 | | 21 | | | | | | | | | | E | 1 | 1 | 1 | 2 | | | 5 |
| 2 | Ekonomia | 30 | 15 | | 15 | | | 15 | | 15 | | 15 | | | | | | | | | | | | | | Z | 2 | | | | | 2 | |
| 3 | Fizyka | 60 | 30 | | | 30 | | 30 | | 30 | | 30 | | | | | | | | | | | | | | E | 7 | | | | | 7 | |
| 4 | Matematyka | 80 | 30 | | 50 | | | 50 | | 15 | 25 | 15 | 25 | | | | | | | | | | | | | E | 6 | 5 | | | | 11 | |
| 5 | Chemia | 80 | 30 | | | 50 | | 50 | | 15 | 25 | 15 | 25 | | | | | | | | | | | | | E | 5 | 5 | | | | 10 | |
| 6 | Wychowanie fizyczne | 27 | | | | 27 | | 27 | | | | 12 | | 15 | | | | | | | | | | | | Z | | 1 | 1 | | | 2 | |
| 7 | Biologia (Botanika i Zoologia) | 75 | 30 | | | 45 | | 45 | | | 15 | 15 | 15 | 30 | | | | | | | | | | | | E | | 4 | 4 | | | 8 | |
| 8 | Technologie informacyjne | 20 | | | | 20 | | 20 | | | | | 20 | | | | | | | | | | | | | Z | | | 5 | | | 5 | |
| 9 | Biochemia | 30 | 15 | | | 15 | | 15 | | | | 15 | 15 | | | | | | | | | | | | | E | | | 5 | | | 5 | |
| 10 | Mikrobiologia | 45 | 15 | | | 30 | | 30 | | | | 15 | 30 | | | | | | | | | | | | | E | | | 6 | | | 6 | |
| 11 | Przedmioty humanistyczne | 20 | 20 | | | | | 0 | | | | | | | 20 | | | | | | | | | | | Z | | | | 3 | | 3 | |
| B | GRUPA TREŚCI KIERUNKOWYCH | 692 | 292 | 0 | 197 | 173 | 30 | 400 | 27 | 30 | 32 | 50 | 20 | 25 | 60 | 90 | 60 | 69 | 61 | 84 | 32 | 52 | | | | | | | | | | | |
| 12 | Meteorologia i klimatologia | 30 | 15 | | 15 | | | 15 | | 15 | 15 | | | | | | | | | | | | | | | E | 4 | | | | | 4 | |
| 13 | Geologia, geomorfologia i gleboznawstwo | 64 | 24 | | | 34 | 6 | 40 | | 12 | 15 | 12 | 25 | | | | | | | | | | | | | E | 5 | 6 | | | | 11 | |
| 14 | Hydrologia i ochrona wód | 45 | 20 | | 25 | | | 25 | | | | 20 | 25 | | | | | | | | | | | | | E | | 7 | | | | 7 | |
| 15 | Systemy informacji przestrzennej | 20 | 10 | | | 10 | | 10 | | | | 10 | 10 | | | | | | | | | | | | | Z | | | 4 | | | 4 | |
| 16 | Chemia środowiska | 50 | 20 | | | 30 | | 30 | | | | 10 | 15 | 10 | 15 | | | | | | | | | | | E | | | 4 | 4 | | 8 | |
| 17 | Ekologia | 40 | 15 | | | 15 | 10 | 25 | | | | | | 15 | 25 | | | | | | | | | | | E | | | | 5 | | 5 | |
| 18 | Ochrona przyrody | 40 | 15 | | | 20 | 5 | 25 | | | | | | 15 | 25 | | | | | | | | | | | E | | | 5 | | | 5 | |
| 19 | Ochrona powietrza | 25 | 10 | | 15 | | | 15 | | | | | | 10 | 15 | | | | | | | | | | | Z | | | 3 | | | 3 | |
| 20 | Ochrona gleb | 20 | 10 | | 10 | | | 10 | | | | | | 10 | 10 | | | | | | | | | | | Z | | | 3 | | | 3 | |
| 21 | Ocena oddziaływania na środowisko | 24 | 10 | | 14 | | | 14 | | | | | | 10 | 14 | | | | | | | | | | | E | | | | 2 | | 2 | |
| 22 | Monitoring środowiska | 35 | 20 | | | 15 | | 15 | | | | | | 20 | 15 | | | | | | | | | | | E | | | | 3 | | 3 | |
| 23 | Rewaloryzacja środowiska | 45 | 20 | | 20 | | 5 | 25 | | | | | | 20 | 25 | | | | | | | | | | | E | | | | 4 | | 4 | |
| 24 | Zagrożenia cywilizacyjne i zrównoważony rozwój | 25 | 10 | | 15 | | | 15 | | | | | | 10 | 15 | | | | | | | | | | | E | | | | 2 | | 2 | |
| 25 | Prawo i ekonomia w ochronie środowiska | 60 | 30 | | 30 | | | 30 | | | | | | | | | | 30 | 30 | | | | | | | E | | | | 4 | | 4 | |
| 26 | Gospodarowanie odpadami | 45 | 15 | | 15 | 15 | | 30 | | | | | | 15 | 30 | | | | | | | | | | | E | | | | 4 | | 4 | |
| 27 | Biotechnologia w ochronie środowiska | 40 | 16 | | 8 | 16 | | 24 | | | | | | | | | 16 | 24 | | | | | | | | E | | | | 4 | | 4 | |
| 28 | Alternatywne źródła energii | 30 | 12 | | 10 | 8 | | 18 | | | | | | | | | | | | 12 | 18 | | | | | E | | | | | 2 | 2 | |
| 29 | Gospodarka wodno-ściekowa | 34 | 10 | | 20 | | 4 | 24 | | | | | | | | | | | | 10 | 24 | | | | | E | | | | | | 3 | |
| 30 | Grafika inżynierska z elementami ergonomii | 20 | 10 | | | 10 | | 10 | | | | | | | | | | | | 10 | 10 | | | | | Z | | | | | 2 | 2 | |
| C | GRUPA TREŚCI UZUPELNIĄCYCH | 281 | 123 | 10 | 105 | 8 | 5 | 128 | 0 | 0 | 10 | 0 | 0 | 0 | 20 | 25 | 63 | 43 | 40 | 10 | 40 | 30 | | | | | | | | | | | |
| 31 | Ochrona własności intelektualnej | 10 | 10 | | | | | 0 | | | 10 | | | | | | | | | | | | | | | Z | | | 1 | | | 1 | |
| 32 | Środowiskowe funkcje użytków rolnych | 45 | 20 | | 20 | | 5 | 25 | | | | | | | 20 | 25 | | | | | | | | | | E | | | | 5 | | 5 | |
| DO WYBORU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33,1 | Ochrona roślin | | | | 8 | 8 | | 16 | | | | | | | | | | | 16 | 16 | | | | | | Z | | | | 5 | | 5 | |
| 33,2 | Środowiskowe aspekty ochrony roślin | 32 | 16 | | | | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34,1 | Wpływ produkcji roślinnej na środowisko | 30 | 15 | | 15 | | | 15 | | | | | | | | | 15 | 15 | | | | | | | | E | | | | 5 | | 5 | |
| 34,2 | Podstawy produkcji roślinnej | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35,1 | Wpływ produkcji zwierzęcej na środowisko | 24 | 12 | | 12 | | | 12 | | | | | | | | | 12 | 12 | | | | | | | | E | | | | 5 | | 5 | |
| 35,2 | Podstawy produkcji zwierzęcej | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36.39 | Fakultety | 100 | 50 | | 50 | | | 50 | | | | | | | | 20 | | 40 | | 40 | | | | | Z | | | | 4 | 8 | 8 | 20 | |
| 40 | Seminarium | 10 | | 10 | | | | 10 | | | | | | | | | | | | | 10 | | | | | Z | | | | 2 | | 2 | |
| 41 | Seminarium dyplomowe i praca inżynierska | 30 | | | | | | | | | | | | | | | | | | | | | 30 | Z/E | | | | | | | 15 | 15 | |
| 42 | Praktyka | 6.tyg. | | | | | x | | | | | | | | | | | | | | | 6.tyg. | | | | E | | | | 8 | | 8 | |
| 43 | Szkolenie BHP | 4 | 4 | | | | | 4 | | | | | | | | | | | | | | | | | | Z | 0 | | | | | 0 | |
| | SUMA GODZIN | 1524 | 600 | 10 | 367 | 482 | 35 | 894 | 248 | 235 | 221 | 236 | 235 | 195 | 154 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 210 | | |

*- 15 lub 20 godz. w zależności od przedmiotu
 praktyka może być realizowana etapami po 4 i 6 sem.
 do wyboru po jednym przedmiocie z bloków 33, 34 i 35