**Profil praktyczny**
**cykl kształcenia 2023-2027**
**Studnia stacjonarne**
**Kierunek: INŻYNIERIA i LOGISTYKA PRODUKCJI**

**W** - wykład
**C** - ćwiczenia
**L** - laboratorium
**P** - projekt

**przedmiot wybieralny**

| Przedmioty w poszczególnych modułach | Cały cykl kształcenia | | | | | | | I semestr | | | | | | II semestr | | | | | | III semestr | | | | | | IV semestr | | | | | | V semestr | | | | | | VI semestr | | | | | | VII semestr | | | | | | Forma zaliczenia |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | L.godz. | ECTS | W / e/W | C | L | P | ects | W / e/W | C | L | P | ects | W / e/W | C | L | P | ects | W / e/W | C | L | P | ects | W / e/W | C | L | P | ects | W / e/W | C | L | P | ects | W / e/W | C | L | P | ects | W / e/W | C | L | P | ects | W / e/W | C | L | P | ects | |
| **Moduł ogólny** | **195** | **8** | **30** | **75** | **30** | **0** | | **30** | **15** | **0** | **0** | **3** | **15** | **0** | **30** | **0** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **30** | **0** | **0** | **0** | **15** | **30** | **0** | **0** | **2** | |
| Szkolenie BHP | 4 | | 4 | | | | 0 | 4 | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ZAL |
| Szkolenie biblioteczne | 1 | | 1 | | | | 0 | 1 | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ZAL |
| Wychowanie fizyczne I, II | 60 | | | 60 | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | 0 | | 30 | | | 0 | Zo |
| Przedmiot humanistyczny | 15 | 2 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | 2 | Zo |
| Ochrona własności intelektualnej / Prawo w praktyce inżynierskiej | 15 | 1 | 15 | | | | | | | | | | 15 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Technologia informacyjna | 30 | 2 | | | 30 | | | | | | | | | | 30 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Podstawy filozofii i etyki / Komunikacja i etyka w pracy zespołowej | 15 | 2 | | 15 | | | | | 15 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Ergonomia i bezpieczeństwo pracy | 15 | 1 | 15 | | | | | 15 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| **Moduł językowy** | **120** | **8** | **0** | **120** | **0** | **0** | | **0** | **0** | **0** | **0** | **0** | **0** | **30** | **0** | **0** | **2** | **0** | **60** | **0** | **0** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **30** | **0** | **0** | **2** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | |
| Język angielski / Język niemiecki I, II, III | 120 | 8 | | 120 | | | | | | | | | | 30 | | | 2 | | 60 | | | 4 | | | | | | | 30 | | | 2 | | | | | | | | | | | | | | EGZ |
| **Moduł podstawowy** | **375** | **39** | **105** | **180** | **60** | **30** | | **60** | **105** | **30** | **15** | **23** | **30** | **60** | **30** | **15** | **12** | **15** | **15** | **0** | **0** | **4** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | |
| Analiza matematyczna | 45 | 6 | 15 | 30 | | | | 15 | 30 | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| Algebra liniowa | 45 | 6 | 15 | 30 | | | | 15 | 30 | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| Programy wspomagające obliczenia inżynierskie | 30 | 4 | 15 | 15 | | | | | | | | | | | | | | 15 | 15 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Fizyka | 45 | 4 | 15 | 15 | 15 | | | | | | | | 15 | 15 | 15 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Mechanika | 60 | 5 | 15 | 30 | 15 | | | | | | | | 15 | 30 | 15 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| Podstawy logistyki | 30 | 3 | | 15 | | 15 | | | 15 | | 15 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Logistyka zaopatrzenia | 30 | 3 | | 15 | | 15 | | | | | | | | 15 | | 15 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Elektrotechnika | 45 | 4 | 15 | | 30 | | | 15 | | 30 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| Materiałoznawstwo | 45 | 4 | 15 | 30 | | | | 15 | 30 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| **Moduł kierunkowy** | **645** | **67** | **195** | **240** | **120** | **90** | | **15** | **30** | **0** | **15** | **4** | **15** | **30** | **60** | **15** | **13** | **75** | **60** | **45** | **30** | **22** | **0** | **0** | **0** | **0** | **0** | **60** | **90** | **15** | **15** | **20** | **30** | **30** | **0** | **15** | **8** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | |
| Autocad | 45 | 5 | | | 30 | 15 | | | | | | | | | 30 | 15 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| Techniki wytwarzania | 60 | 6 | 30 | 15 | | 15 | | | | | | | | | | | | 30 | 15 | | 15 | 6 | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| Wirtualne projektowanie i prototypowanie | 45 | 5 | 15 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 15 | 5 | | | | | EGZ |
| Projektowanie procesów technologicznych w przedsiębiorstwie | 30 | 5 | 15 | 15 | | | | | | | | | | | | | | 15 | 15 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Podstawy konstrukcji maszyn | 75 | 7 | 15 | 30 | 15 | 15 | | | | | | | | | | | | 15 | 30 | 15 | 15 | 7 | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| Bazy danych | 30 | 3 | | 15 | 15 | | | | | | | | | 15 | 15 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Wytrzymałość materiałów | 45 | 5 | 15 | 15 | 15 | | | | | | | | 15 | 15 | 15 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EGZ |
| Grafika inżynierska | 60 | 4 | 15 | 30 | | 15 | | 15 | 30 | | 15 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Technologia CAD/CAM | 30 | 3 | | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 3 | | | | | | | | | Zo |
| Technologie montażu | 30 | 3 | | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 15 | 3 | | | | | | | | | Zo |
| Planowanie, organizacja i zarządzanie produkcją oraz usługami | 30 | 3 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 3 | | | | | | | | | Zo |
| Gospodarka obiegu zamkniętego | 30 | 3 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 3 | | | | | | | | | EGZ |
| Statystyka dla inżynierów | 30 | 4 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 4 | | | | | | | | | Zo |
| Komputerowe wspomaganie projektowania konstrukcji inżynierskich | 45 | 4 | 15 | | 30 | | | | | | | | | | | | | 15 | | 30 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | Zo |
| Sieci komputerowe | 30 | 3 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | | 3 | | | | | Zo |
| Logistyka produkcji i dystrybucji | 30 | 4 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 4 | | | | | | | | | EGZ |
| **Moduł edycji pracy dyplomowej** | **0** | **20** | **0** | **0** | **0** | **0** | | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5** | **0** | **0** | **0** | **0** | **15** | | | | |
| Seminarium dyplomowe | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | 15 | | | | ZAL |
| **Moduł praktyk zawodowych** | **960** | **30** | **0** | **960** | **0** | **0** | | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **960** | **0** | **0** | **30** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | |
| Praktyka zawodowa | 960 | 30 | | 960 | | | | | | | | | | | | | | | | | | | | 960 | | | 30 | | | | | | | | | | | | | | | | | | Zo |
| **Moduł specjalności: LOGISTYKA PRODUKCJI** | **450** | **38** | **120** | **135** | **0** | **195** | | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **30** | **0** | **60** | **8** | **60** | **60** | **0** | **45** | **17** | **60** | **45** | **0** | **90** | **13** | | | | |
| Eksploatacja systemów produkcyjnych - lean manufacturing / Zintegrowane systemy zarządzania i planowania przedsiębiorstwem | 45 | 3 | 15 | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | 30 | 3 | EGZ | | | | |
| Doskonalenie i optymalizacja procesów produkcyjnych | 45 | 4 | 15 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 15 | 4 | | | | | Zo |
| Zastosowanie lean management w przedsiębiorstwie | 45 | 3 | 15 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 15 | 3 | EGZ | | | | |
| Projekt technologiczny | 45 | 4 | | 15 | | 30 | | | | | | | | | | | | | | | | | | | | | | | 15 | | 30 | 4 | | | | | | | | | | | | EGZ | | | | |
| Rachunek kosztów dla inżynierów / Analiza kosztów w procesie decyzyjnym | 30 | 4 | 15 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | | 4 | | | | | EGZ |
| Logistyka i zarządzanie łańcuchem dostaw | 45 | 4 | 15 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 15 | 4 | | | | | EGZ |
| Systemy zarządzania jakością i metody TQM | 45 | 5 | 15 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 15 | 5 | | | | | Zo |
| Systemy MRP/ERP | 30 | 2 | | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 15 | 2 | Zo | | | | |
| Logistyka i systemy optymalizacji w przedsiębiorstwie | 30 | 2 | 15 | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 15 | 2 | Zo | | | | |
| Informatyka przemysłowa | 45 | 3 | 15 | 15 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | | 15 | 3 | EGZ | | | | |
| Praca przejściowa | 45 | 4 | | 15 | | 30 | | | | | | | | | | | | | | | | | | | | | | | 15 | | 30 | 4 | | | | | | | | | | | | Zo | | | | |
| **OGÓŁEM INŻYNIERIA I LOGISTYKA PRODUKCJI** | **2705** | **210** | **470** | **750** | **210** | **315** | | **90** | **150** | **30** | **30** | **30** | **60** | **120** | **120** | **30** | **30** | **90** | **135** | **45** | **30** | **30** | **0** | **960** | **0** | **0** | **30** | **60** | **150** | **15** | **75** | **30** | **90** | **120** | **0** | **60** | **30** | **75** | **75** | **0** | **90** | **30** | | | | |
| | | | | | | | | | | | | **305** | | | | | **330** | | | | | **300** | | | | | **960** | | | | | **300** | | | | | **270** | | | | | **240** | | | | |