WYDZIAŁ INŻYNIERII MECHANICZNEJ

# PLAN STUDIÓW

Dla naboru: **2025 Z**

Kierunek: **ZARZĄDZANIE I INŻYNIERIA PRODUKCJI**

Studia NIE**STACJONARNE**, I stopnia - 8 semestralne

| Lp. | Nazwa przedmiotu | U (ile np) | Ogólna liczba godzin w tym: RAZEM | wykład | ćwiczenia | laboratoria | projekt | Rozdział zajęć programowych na semestry – Liczba godzin semestralnie: I (2025/26 ZIMA) | | | | | | II (2025/26 LATO) | | | | | | III (2026/27 ZIMA) | | | | | | IV (2026/27 LATO) | | | | | | V (2027/28 ZIMA) | | | | | | VI (2027/28 LATO) | | | | | | VII (2028/29 ZIMA) | | | | | | VIII (2028/29 LATO) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ECTS | E | W | C | L | P | ECTS | E | W | C | L | P | ECTS | E | W | C | L | P | ECTS | E | W | C | L | P | ECTS | E | W | C | L | P | ECTS | E | W | C | L | P | ECTS | E | W | C | L | P | ECTS | E | W | C | L | P |
| | **Blok A - Przedmioty ogólne** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Język obcy | 1 | 80 | 0 | 80 | 0 | 0 | | | | | | | 5 | | | 40 | | | 5 | E | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Przedmiot humanistyczny 1: | 0 | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | 2 | | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Etyka zawodowa | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Komunikacja interpersonalna | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Przedmiot humanistyczny 2: | 0 | 16 | 16 | 0 | 0 | 0 | | | | | | | | | | | | | 2 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Socjologia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Psychologia społeczna | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Szkolenie z e-learningu | 0 | 2 | 2 | 0 | 0 | 0 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Podstawowe szkolenie z zakresu BHP | 0 | 4 | 4 | 0 | 0 | 0 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Szkolenie biblioteczne | 0 | 1 | 1 | 0 | 0 | 0 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Umiejętności informacyjne | 0 | 2 | 0 | 0 | 0 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| 8 | Ochrona własności intelektualnej | 0 | 8 | 8 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | 1 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Razem w bloku A | 0 | 132 | 39 | 93 | 0 | 2 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 1 | 24 | 48 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | 0 | 0 | 0 | 0 |
| | **Blok B - Przedmioty podstawowe** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Matematyka | 2 | 72 | 30 | 42 | 0 | 0 | 4 | E | 16 | 16 | | | 6 | E | 16 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Fizyka techniczna | 1 | 32 | 16 | 8 | 8 | 0 | | | | | | | 5 | E | 16 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Mechanika techniczna | 0 | 32 | 16 | 16 | 0 | 0 | | | | | | | | | | | | | 4 | | 16 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Ekonomia | 1 | 8 | 8 | 0 | 0 | 0 | 5 | E | 16 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Prawo gospodarcze | 0 | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | 2 | | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Ekologia i zarządzanie środowiskiem | 0 | 8 | 0 | 4 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | 16 | 8 | | 8 | | |
| 8 | Zarządzanie | 0 | 24 | 16 | 8 | 0 | 0 | 4 | E | 16 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Marketing | 0 | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | 6 | | | | | | | | | | | | | | |
| | Razem w bloku B | 0 | 208 | 98 | 93 | 8 | 0 | 13 | 3 | 48 | 40 | 8 | 0 | 11 | 2 | 32 | 32 | 8 | 0 | 6 | 0 | 26 | 24 | 0 | 0 | 9 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 16 | 8 | 6 | 8 |
| | **Blok C - Przedmioty kierunkowe** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Analiza danych w inżynierii produkcji | 1 | 40 | 16 | 8 | 16 | 0 | | | | | | | | | | | | | 6 | E | 16 | 8 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Odlewnictwo i obróbka plastyczna | 0 | 32 | 16 | 0 | 16 | 0 | 4 | | 16 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Przetwórstwo tworzyw sztucznych | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | 2 | | 8 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Technologie ubytkowe | 1 | 40 | 16 | 0 | 16 | 0 | 2 | | | 8 | 8 | | 4 | E | 16 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Wytwarzanie przyrostowe | 0 | 24 | 8 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 8 | | 16 | | | | | | | | | | | | | | | | | | | |
| 22 | Obróbka cieplna i spawalnictwo | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | 2 | | 8 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Materiały konstrukcyjne | 0 | 24 | 8 | 0 | 16 | 0 | 3 | | 8 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | Wytrzymałość materiałów i konstrukcji | 0 | 40 | 16 | 16 | 8 | 0 | | | | | | | | | | | | | | | | | | | 6 | | 16 | 16 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | Metrologia i systemy pomiarowe | 0 | 40 | 16 | 8 | 24 | 0 | | | | | | | 2 | | 8 | | 8 | | | | | | | | 4 | | 8 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | Systemy produkcyjne w praktyce | 0 | 8 | 0 | 0 | 0 | 8 | | | | | | | | | | | | | 1 | | | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | Rysunek techniczny z CAD | 0 | 24 | 8 | 4 | 8 | 0 | 4 | | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | Konstrukcja i projektowanie wyrobów | 1 | 32 | 16 | 0 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | 5 | E | 16 | 8 | | 8 | | | | | | | | | | | | | | | | | | |
| 29 | Zarządzanie produkcją | 1 | 32 | 8 | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | | 5 | E | 8 | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Rachunkowość | 0 | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | 8 | | | | | | | | | | | | | | | | | | | | |
| 31 | Logistyka produkcji | 1 | 24 | 16 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | E | 16 | 8 | | | | | | | | | | | | | | |
| 32 | Ergonomia | 0 | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | | 8 | | | | | | | | | | | | | | | | | | |
| 33 | Planowanie i harmonogramowanie produkcji | 0 | 16 | 0 | 8 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | 8 | | | | | | | | | |
| 34 | Utrzymanie ruchu maszyn | 1 | 32 | 8 | 4 | 16 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | E | 8 | 8 | 16 | | | | | | | | |
| 35 | Zastosowanie materiałów inżynierskich | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | 3 | | 8 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | Projektowanie procesów obróbki i montażu | 1 | 40 | 16 | 0 | 16 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | 5 | E | 16 | | 16 | 8 | | | | | | | | | | | | | | | | | | |
| 37 | Systemy wizyjne w procesach produkcyjnych | 0 | 24 | 8 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 8 | | 16 | | | | | | | | | | | | | | | | | | | |
| 38 | Automatyka przemysłowa | 1 | 40 | 24 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | 5 | E | 24 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | Technologiczne przygotowanie produkcji | 1 | 24 | 8 | 0 | 8 | 8 | | | | | | | | | | | | | 4 | E | 8 | | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | Automatyzacja w technologiach materiałowych | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 8 | | | | | | | | | | | | | | | | | | | |
| 41 | Robotyzacja procesów produkcyjnych | 0 | 24 | 8 | 0 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 8 | | 8 | 8 | | | | | | | | | | | | | | | | | | |
| 42 | Recykling | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 8 | | | | | | | | | | | | | |
| 43 | Maszyny technologiczne | 0 | 24 | 8 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | 3 | | 8 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Inżynieria produkcji | 0 | 24 | 0 | 0 | 0 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | 24 | | | | | | | | |
| 45 | Seminarium przeddyplomowe | 0 | 8 | 0 | 0 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 8 | | | | | | | | |
| 46 | Seminarium dyplomowe | 0 | 16 | 0 | 0 | 0 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | 16 | |
| 47 | Rachunek kosztów dla inżynierów | 1 | 24 | 16 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | E | 16 | 8 | | | | | | | | | |
| 48 | Zarządzanie i inżynieria jakości | 1 | 24 | 8 | 8 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | E | 8 | 8 | | 8 | | | | | | | | | | | | | | | | | | |
| 49 | Sterowanie przepływem produkcji | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 6 | | | | | | | | |
| 50 | Przygotowanie pracy dyplomowej | 0 | 32 | 0 | 0 | 0 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | | | | | 32 |
| 51 | Zarządzanie projektami | 0 | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | | 8 | | | | | | |
| 52 | Informatyczne systemy zarządzania przedsiębiorstwem | 0 | 24 | 8 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 8 | | 16 | | | | | | | | | | | | | | | | | | | |
| 53 | Praktyka | 0 | 6 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | | | |
| 54 | **Przedmiot obieralny 1** | 0 | 8 | 8 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 8 | | | | | | | | | | | | | | | |
| | Ryzyko zawodowe i metody jego oceny | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Identyfikacja i ocena zagrożeń na stanowisku pracy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | **Przedmiot obieralny 2** | 0 | 16 | 0 | 0 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | 8 | 8 | | | | | | | | | | | |
| | Projektowanie wyrobów zorientowane na produkcję | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Narzędzia projektowania inżynierskiego | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | **Przedmiot obieralny 3** | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 8 | | | | | | | | | | | | | |
| | Sztuczna inteligencja | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Uczenie maszynowe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | **Przedmiot obieralny 4** | 0 | 24 | 8 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 8 | | 16 | | | | | | | | | | | | | |
| | Sterowanie procesami przetwarzania materiałów | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Specjalne techniki wytwarzania | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | **Przedmiot obieralny 5** | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 6 | | | | | | | | |
| | Projektowanie w środowisku rzeczywistości wirtualnej | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Projektowanie w środowisku rzeczywistości rozszerzonej i mieszanej | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | **Przedmiot obieralny 6** | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 6 | | | | | | | | |
| | Systemy wizualizacji i nadzorowania produkcji | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Systemy nadzorowania procesów przemysłowych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | **Przedmiot obieralny 7** | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 6 | | | | | | | | |
| | Metody sztucznej inteligencji w procesach produkcyjnych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Przygotowanie procesów obróbki | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | **Przedmiot obieralny 8** | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 6 | | | | | | | | |
| | Projektowanie systemów informatycznych zarządzania | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Inżynierskie bazy danych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | **Przedmiot obieralny 9** | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | 8 | | | | |
| | Znormalizowane systemy zarządzania | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Narzędzia jakości w inżynierii produkcji | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | **Przedmiot obieralny10** | 0 | 16 | 0 | 0 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | 8 | 8 | |
| | Zarządzanie wizualne w procesach produkcyjnych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Raportowanie i wizualizacja danych produkcyjnych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | **Przedmiot obieralny 11** | 0 | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 8 | | 8 | | | |
| | Tendencje rozwojowe procesów wytwarzania | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Koncepcje zarządzania produkcją | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | **Przedmiot obieralny 12** | 0 | 16 | 0 | 8 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | 8 | | 8 |
| | Doskonalenie procesów produkcyjnych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Optymalizacja procesów produkcyjnych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Razem w bloku C | 11 | 1 072 | 488 | 128 | 376 | 176 | 13 | 0 | 30 | 16 | 48 | 0 | 10 | 1 | 40 | 0 | 32 | 0 | 11 | 0 | 30 | 8 | 24 | 16 | 20 | 2 | 72 | 24 | 72 | 8 | 28 | 2 | 60 | 24 | 64 | 32 | 24 | 2 | 64 | 0 | 56 | 16 | 26 | 2 | 72 | 24 | 56 | 40 | 23 | 0 | 16 | 16 | 16 | 64 |
| | **RAZEM** (A+B+C) | | 1 401 | 615 | 221 | 384 | 178 | 26 | 3 | 84 | 57 | 56 | 0 | 26 | 3 | 72 | 72 | 40 | 0 | 26 | 1 | 80 | 56 | 24 | 16 | 30 | 2 | 80 | 24 | 72 | 8 | 28 | 2 | 60 | 24 | 64 | 32 | 26 | 2 | 64 | 0 | 56 | 16 | 26 | 2 | 72 | 24 | 56 | 40 | 23 | 0 | 16 | 16 | 16 | 64 |
| | Liczba godzin semestralnie | | | | | | | | | | 191 | | | | | | 184 | | | | | | 192 | | | | | | 186 | | | | | | 200 | | | | | | 160 | | | | | | 202 | | | | | | 144 | | |