# PLAN STUDIÓW STACJONARNYCH

Nazwa kierunku studiów: **INFORMATYKA I EKONOMETRIA - pierwszy stopień**

Forma studiów: stacjonarne

Rekrutacja w roku akademickim 2026/2027

czas trwania: 6 semestrów

Uniwersytet Zielonogórski

WYDZIAŁ NAUK ŚCISŁYCH I PRZYRODNICZYCH

| LP. | | NAZWA PRZEDMIOTU | Liczba godzin | ECTS | Forma zal | Sem | SEMESTR 1 | | | | | | | | SEMESTR 2 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Forma zajęć | | | | | | Forma zal | ECTS | Forma zajęć | | | | | | Forma zal | ECTS |
| | | | | | | | W | Ć | L | P | S | Pr | | | W | Ć | L | P | S | Pr | | |
| 1 | Moduł przedmiotów obowiązkowych (ogólne, podstawowe i kierunkowe) | Język angielski 1 | 30 | 2 | O | 2 | | | | | | | | | | | 30 | | | | O | 2 |
| 2 | | Język angielski 2 | 30 | 2 | O | 3 | | | | | | | | | | | | | | | | |
| 3 | | Język angielski 3 | 30 | 2 | O | 4 | | | | | | | | | | | | | | | | |
| 4 | | Język angielski 4 | 30 | 2 | E | 5 | | | | | | | | | | | | | | | | |
| 5 | | Algebra liniowa 1 | 60 | 6 | EO | 1 | 30 | 30 | | | | | EO | 6 | | | | | | | | |
| 6 | | Algebra liniowa 2 | 60 | 6 | EO | 2 | | | | | | | | | 30 | 30 | | | | | EO | 6 |
| 7 | | Analiza matematyczna 1 | 60 | 6 | EO | 1 | 30 | 30 | | | | | EO | 6 | | | | | | | | |
| 8 | | Analiza matematyczna 2 | 60 | 6 | EO | 2 | | | | | | | | | 30 | 30 | | | | | EO | 6 |
| 9 | | Bazy danych 1 | 75 | 6 | EOO | 3 | | | | | | | | | | | | | | | | |
| 10 | | Bazy danych projekt 1 | 30 | 2 | O | 4 | | | | | | | | | | | | | | | | |
| 11 | | Badania operacyjne 1 | 60 | 5 | OO | 4 | | | | | | | | | | | | | | | | |
| 12 | | Podstawy sztucznej inteligencji | 60 | 5 | OO | 5 | | | | | | | | | | | | | | | | |
| 13 | | Finanse przedsiębiorstw | 30 | 3 | OO | 1 | 15 | 15 | | | | | OO | 3 | | | | | | | | |
| 14 | | Informatyka ekonomiczna | 30 | 2 | O | 6 | | | | | | | | | | | | | | | | |
| 15 | | Matematyka dyskretna 1 | 60 | 5 | OO | 2 | | | | | | | | | 30 | 30 | | | | | OO | 5 |
| 16 | | Matematyka finansowa i ubezpieczeniowa | 60 | 5 | OO | 5 | | | | | | | | | | | | | | | | |
| 17 | | Makroekonomia | 45 | 4 | OO | 2 | | | | | | | | | 30 | 15 | | | | | OO | 4 |
| 18 | | Mikroekonomia | 45 | 5 | EO | 1 | 30 | 15 | | | | | EO | 5 | | | | | | | | |
| 19 | | Podstawy ekonometrii | 60 | 6 | EOO | 5 | | | | | | | | | | | | | | | | |
| 20 | | Prawo | 15 | 1 | O | 2 | | | | | | | | | 15 | | | | | | O | 1 |
| 21 | | Programowanie komputerów 1 | 60 | 5 | OO | 1 | 30 | | 30 | | | | OO | 5 | | | | | | | | |
| 22 | | Programowanie komputerów 2 | 60 | 6 | EO | 2 | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 23 | | Rachunek prawdopodobieństwa | 60 | 6 | EO | 3 | | | | | | | | | | | | | | | | |
| 24 | | Statystyka matematyczna | 60 | 6 | EO | 4 | | | | | | | | | | | | | | | | |
| 25 | | Statystyka opisowa i ekonomiczna | 45 | 4 | OO | 4 | | | | | | | | | | | | | | | | |
| 26 | | Seminarium dyplomowe 1 | 30 | 2 | O | 5 | | | | | | | | | | | | | | | | |
| 27 | | Seminarium dyplomowe 2 | 60 | 7 | Z | 6 | | | | | | | | | | | | | | | | |
| 28 | | Cyfrowe środowiska pracy | 45 | 3 | O | 1 | | | 45 | | | | O | 3 | | | | | | | | |
| 29 | | Zarządzanie | 30 | 2 | OO | 1 | 15 | 15 | | | | | OO | 2 | | | | | | | | |
| 30 | | Wychowanie fizyczne 1 | 30 | 0 | Z | 1 | | 30 | | | | | Z | 0 | | | | | | | | |
| 31 | | Wychowanie fizyczne 2 | 30 | 0 | Z | 2 | | | | | | | | | | 30 | | | | | Z | 0 |
| 1 | specjalność - Analityka biznesowa z elementami sztucznej inteligencji | Analiza ekonomiczna projektów | 60 | 6 | EO | 6 | | | | | | | | | | | | | | | | |
| 2 | | Analiza i projektowanie obiektowe w UML | 60 | 6 | EO | 5 | | | | | | | | | | | | | | | | |
| 3 | | Biznes plan | 45 | 3 | OO | 4 | | | | | | | | | | | | | | | | |
| 4 | | Dynamiczne raportowanie | 60 | 6 | EO | 3 | | | | | | | | | | | | | | | | |
| 5 | | Przetwarzanie i wizualizacja danych | 45 | 5 | EO | 3 | | | | | | | | | | | | | | | | |
| 6 | | Podstawy zarządzania i bezpieczeństwa systemów baz danych | 45 | 4 | OO | 6 | | | | | | | | | | | | | | | | |
| 7 | | Praktyka zawodowa | 75 | 3 | O | 5 | | | | | | | | | | | | | | | | |
| 8 | | Modele sztucznej inteligencji | 60 | 6 | EO | 6 | | | | | | | | | | | | | | | | |
| 9 | | Teoria gier | 60 | 6 | EO | 4 | | | | | | | | | | | | | | | | |
| 1 | specjalność - Statystyka i ekonometria | Kontrola jakości | 60 | 6 | EO | 5 | | | | | | | | | | | | | | | | |
| 2 | | Podstawy modelowania matematycznego | 45 | 5 | EO | 3 | | | | | | | | | | | | | | | | |
| 3 | | Praktyczne metody statystyki | 60 | 6 | EO | 6 | | | | | | | | | | | | | | | | |
| 4 | | Praktyka zawodowa | 75 | 3 | O | 5 | | | | | | | | | | | | | | | | |
| 5 | | Statystyka matematyczna laboratorium | 30 | 2 | O | 4 | | | | | | | | | | | | | | | | |
| 6 | | Teoria gier | 60 | 6 | EO | 4 | | | | | | | | | | | | | | | | |
| 7 | | Modele sztucznej inteligencji | 60 | 6 | EO | 6 | | | | | | | | | | | | | | | | |
| 8 | | Wstęp do metod numerycznych | 60 | 6 | EOO | 3 | | | | | | | | | | | | | | | | |
| 9 | | Wstęp do planowania doświadczeń | 60 | 5 | OO | 6 | | | | | | | | | | | | | | | | |
| 1 | specjalność - Systemy informacyjne | Algorytmy i struktury danych | 60 | 6 | EO | 3 | | | | | | | | | | | | | | | | |
| 2 | | Bazy danych projekt 2 | 30 | 2 | O | 5 | | | | | | | | | | | | | | | | |
| 3 | | Bazy danych 2 | 60 | 6 | EO | 4 | | | | | | | | | | | | | | | | |
| 4 | | Bezpieczeństwo systemów informatycznych | 60 | 6 | EO | 6 | | | | | | | | | | | | | | | | |
| 5 | | Podstawy zarządzania i bezpieczeństwa systemów baz danych | 45 | 4 | OO | 6 | | | | | | | | | | | | | | | | |
| 6 | | Programowanie obiektowe 1 | 60 | 6 | EO | 3 | | | | | | | | | | | | | | | | |
| 7 | | Programowanie obiektowe 2 | 60 | 6 | EO | 4 | | | | | | | | | | | | | | | | |
| 8 | | Projektowanie systemów informatycznych | 60 | 6 | EO | 6 | | | | | | | | | | | | | | | | |
| 9 | | Praktyka zawodowa | 75 | 3 | O | 5 | | | | | | | | | | | | | | | | |

| LP. | | NAZWA PRZEDMIOTU | SEMESTR 3 | | | | | | | | SEMESTR 4 | | | | | | | | SEMESTR 5 | | | | | | | | SEMESTR 6 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Forma zajęć | | | | | | Forma zal | ECTS | Forma zajęć | | | | | | Forma zal | ECTS | Forma zajęć | | | | | | Forma zal | ECTS | Forma zajęć | | | | | | Forma zal | ECTS |
| | | | W | Ć | L | P | S | Pr | | | W | Ć | L | P | S | Pr | | | W | Ć | L | P | S | Pr | | | W | Ć | L | P | S | Pr | | |
| 1 | Moduł przedmiotów obowiązkowych (ogólne, podstawowe i kierunkowe) | Język angielski 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Język angielski 2 | | | 30 | | | | O | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Język angielski 3 | | | | | | | | | | | 30 | | | | O | 2 | | | | | | | E | 2 | | | | | | | | |
| 4 | | Język angielski 4 | | | | | | | | | | | | | | | | | | | 30 | | | | | | | | | | | | | |
| 5 | | Algebra liniowa 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | Algebra liniowa 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | Analiza matematyczna 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | Analiza matematyczna 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | Bazy danych 1 | 30 | 15 | 30 | | | | EOO | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | Bazy danych projekt 1 | | | | | | | | | | | | 30 | | | O | 2 | | | | | | | | | | | | | | | | |
| 11 | | Badania operacyjne 1 | | | | | | | | | 30 | | 30 | | | | OO | 5 | | | | | | | | | | | | | | | | |
| 12 | | Podstawy sztucznej inteligencji | | | | | | | | | | | | | | | | | 30 | | 30 | | | | OO | 5 | | | | | | | | |
| 13 | | Finanse przedsiębiorstw | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | Informatyka ekonomiczna | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | | | | O | 2 |
| 15 | | Matematyka dyskretna 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | Matematyka finansowa i ubezpieczeniowa | | | | | | | | | | | | | | | | | 30 | | 30 | | | | OO | 5 | | | | | | | | |
| 17 | | Makroekonomia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | Mikroekonomia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | Podstawy ekonometrii | | | | | | | | | | | | | | | | | 30 | 15 | 15 | | | | EOO | 6 | | | | | | | | |
| 20 | | Prawo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | Programowanie komputerów 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | Programowanie komputerów 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | Rachunek prawdopodobieństwa | 30 | 30 | | | | | EO | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | Statystyka matematyczna | | | | | | | | | 30 | 30 | | | | | EO | 6 | | | | | | | | | | | | | | | | |
| 25 | | Statystyka opisowa i ekonomiczna | | | | | | | | | 15 | | 30 | | | | OO | 4 | | | | | | | | | | | | | | | | |
| 26 | | Seminarium dyplomowe 1 | | | | | | | | | | | | | | | | | | | | 30 | | | O | 2 | | | | | | | | |
| 27 | | Seminarium dyplomowe 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | | | Z | 7 |
| 28 | | Cyfrowe środowiska pracy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | Zarządzanie | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | Wychowanie fizyczne 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | Wychowanie fizyczne 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | specjalność - Analityka biznesowa z elementami sztucznej inteligencji | Analiza ekonomiczna projektów | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 2 | | Analiza i projektowanie obiektowe w UML | | | | | | | | | | | | | | | | | 30 | | | 30 | | | EO | 6 | | | | | | | | |
| 3 | | Biznes plan | | | | | | | | | 15 | | | 30 | | | OO | 3 | | | | | | | | | | | | | | | | |
| 4 | | Dynamiczne raportowanie | 15 | | 45 | | | | EO | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | Przetwarzanie i wizualizacja danych | 15 | | 30 | | | | EO | 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | Podstawy zarządzania i bezpieczeństwa systemów baz danych | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 30 | | | | OO | 4 |
| 7 | | Praktyka zawodowa | | | | | | | | | | | | | | | | | | | | | | 75 | O | 3 | | | | | | | | |
| 8 | | Modele sztucznej inteligencji | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 9 | | Teoria gier | | | | | | | | | 30 | 30 | | | | | EO | 6 | | | | | | | | | | | | | | | | |
| 1 | specjalność - Statystyka i ekonometria | Kontrola jakości | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 2 | | Podstawy modelowania matematycznego | 15 | | | 30 | | | EO | 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Praktyczne metody statystyki | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 4 | | Praktyka zawodowa | | | | | | | | | | | | | | | | | | | | | | 75 | O | 3 | | | | | | | | |
| 5 | | Statystyka matematyczna laboratorium | | | | | | | | | | | 30 | | | | O | 2 | | | | | | | | | | | | | | | | |
| 6 | | Teoria gier | | | | | | | | | 30 | 30 | | | | | EO | 6 | | | | | | | | | | | | | | | | |
| 7 | | Modele sztucznej inteligencji | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 8 | | Wstęp do metod numerycznych | 30 | 15 | 15 | | | | EOO | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | Wstęp do planowania doświadczeń | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | OO | 5 |
| 1 | specjalność - Systemy informacyjne | Algorytmy i struktury danych | 30 | | 30 | | | | EO | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Bazy danych projekt 2 | | | | | | | | | | | | | | | | | | | | 30 | | | O | 2 | | | | | | | | |
| 3 | | Bazy danych 2 | | | | | | | | | 30 | | 30 | | | | EO | 6 | | | | | | | | | | | | | | | | |
| 4 | | Bezpieczeństwo systemów informatycznych | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 5 | | Podstawy zarządzania i bezpieczeństwa systemów baz danych | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 30 | | | | OO | 4 |
| 6 | | Programowanie obiektowe 1 | 30 | | 30 | | | | EO | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | Programowanie obiektowe 2 | | | | | | | | | 30 | | 30 | | | | EO | 6 | | | | | | | | | | | | | | | | |
| 8 | | Projektowanie systemów informatycznych | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 9 | | Praktyka zawodowa | | | | | | | | | | | | | | | | | | | | | | 75 | O | 3 | | | | | | | | |

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|---|---|---|---|
| Moduł przedmiotów obowiązkowych | 1440 | 122 | 12E |
| Specjalność - Analityka biznesowa z elementami sztucznej inteligencji | 510 | 45 | 6 E |
| Specjalność - Statystyka i ekonometria | 510 | 45 | 6 E |
| Specjalność - Systemy informacyjne | 510 | 45 | 6 E |
| Praktyki | 75 | 3 | |
| Łącznie (specjalność - Analityka biznesowa z elementami sztucznej inteligencji) | **1950** | **167** | **18 E** |
| Łącznie (specjalność - Statystyka i ekonometria) | **1950** | **167** | **18 E** |
| Łącznie (specjalność - Systemy informacyjnie) | **1950** | **167** | **18 E** |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 3 E | 30 | 360 | 4 E | 30 | 165 | 2 E | 14 | 225 | 1 E | 19 | 240 | 2 E | 20 | 90 | 0 E | 9 |
| 0 | 0 E | 0 | 0 | 0 E | 0 | 105 | 2 E | 11 | 105 | 1 E | 9 | 135 | 1 E | 9 | 165 | 2 E | 16 |
| 0 | 0 E | 0 | 0 | 0 E | 0 | 105 | 2 E | 11 | 90 | 1 E | 8 | 135 | 1 E | 9 | 180 | 2 E | 17 |
| 0 | 0 E | 0 | 0 | 0 E | 0 | 120 | 2 E | 12 | 120 | 2 E | 12 | 105 | 0 E | 5 | 165 | 2 E | 16 |
| **360** | **3 E** | **30** | **360** | **4 E** | **30** | **270** | **4 E** | **25** | **330** | **2 E** | **28** | **375** | **3 E** | **29** | **255** | **2 E** | **25** |
| **360** | **3 E** | **30** | **360** | **4 E** | **30** | **270** | **4 E** | **25** | **315** | **2 E** | **27** | **375** | **3 E** | **29** | **270** | **2 E** | **26** |
| **360** | **3 E** | **30** | **360** | **4 E** | **30** | **285** | **4 E** | **26** | **345** | **3 E** | **31** | **345** | **2 E** | **25** | **255** | **2 E** | **25** |

| | | |
|---|---|---|
| Łącznie bez praktyk | **1875** | **164** |

Przedmioty dodatkowe oferowane dla kierunku informatyka i ekonometria

| LP. | | NAZWA PRZEDMIOTU | SEMESTR 1 | | | | | | | | SEMESTR 2 | | | | | | | | SEMESTR 3 | | | | | | | | SEMESTR 4 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Forma zajęć | | | | | | Forma zal | ECTS | Forma zajęć | | | | | | Forma zal | ECTS | Forma zajęć | | | | | | Forma zal | ECTS | Forma zajęć | | | | | | Forma zal | ECTS |
| | | | W | Ć | L | P | S | Pr | | | W | Ć | L | P | S | Pr | | | W | Ć | L | P | S | Pr | | | W | Ć | L | P | S | Pr | | |
| 1 | | Algorytmy i struktury danych | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 2 | | Analiza ekonomiczna projektów | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | Analiza i projektowanie obiektowe w UML | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | Aplikacje WWW | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | OO | 5 |
| 5 | | Badania operacyjne 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | Bazy danych 2 | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 7 | | Bazy danych projekt 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | Bezpieczeństwo systemów informatycznych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | Biznes plan | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | 30 | | | | |
| 10 | | Dynamiczne raportowanie | | | | | | | | | | | | | | | | | 15 | | 45 | | | | EO | 6 | | | | | | | | |
| 11 | | Kontrola jakości | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | LaTeX | | | | | | | | | | | | | | | | | | | 30 | | | | O | 2 | | | | | | | | |
| 13 | | Matematyka dyskretna 2 | | | | | | | | | | | | | | | | | 30 | 30 | | | | | OO | 5 | | | | | | | | |
| 14 | | Modele sztucznej inteligencji | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | Modele sztucznej inteligencji | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | Pakiety matematyczne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | Podstawy kryptografii | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 18 | | Podstawy modelowania matematycznego | | | | | | | | | | | | | | | | | 15 | | | 30 | | | EO | 5 | | | | | | | | |
| 19 | | Podstawy sieci komputerowych | | | | | | | | | | | | | | | | | 30 | | 30 | | | | OO | 5 | | | | | | | | |
| 20 | | Podstawy zarządzania i bezpieczeństwa systemów baz danych | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | 30 | | | | OO | 4 |
| 21 | | Praktyczne metody statystyki | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 22 | | Praktyka zawodowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | Programowanie aplikacji mobilnych | | | | | | | | | | | | | | | | | 30 | | 30 | | | | OO | 5 | | | | | | | | |
| 24 | | Programowanie komputerów kwantowych | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | OO | 5 |
| 25 | | Programowanie obiektowe 1 | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 26 | | Programowanie obiektowe 2 | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 27 | | Programowanie w pakietach statystycznych | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | Statystyka matematyczna laboratorium | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | | O | 2 |
| 29 | | Teoria gier | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | | | | | EO | 6 |
| 30 | | Wstęp do metod numerycznych | | | | | | | | | | | | | | | | | 30 | 15 | 15 | | | | EOO | 6 | | | | | | | | |
| 31 | | Wstęp do planowania doświadczeń | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Humanistyczne | Polszczyzna w praktyce | | | | | | | | | | | | | | | | | | 30 | | | | | O | 3 | | | | | | | | |
| 2 | | Wstęp do pisania i redagowania prac dyplomowych | | | | | | | | | | | | | | | | | | 30 | | | | | O | 3 | | | | | | | | |

| LP. | | NAZWA PRZEDMIOTU | SEMESTR 5 | | | | | | | | SEMESTR 6 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Forma zajęć | | | | | | Forma zal | ECTS | Forma zajęć | | | | | | Forma zal | ECTS |
| | | | W | Ć | L | P | S | Pr | | | W | Ć | L | P | S | Pr | | |
| 1 | | Algorytmy i struktury danych | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 2 | | Analiza ekonomiczna projektów | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 3 | | Analiza i projektowanie obiektowe w UML | | | | 30 | | | EO | 6 | | | | | | | | |
| 4 | | Aplikacje WWW | | | | | | | | | 30 | | 30 | | | | OO | 5 |
| 5 | | Badania operacyjne 2 | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 6 | | Bazy danych 2 | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 7 | | Bazy danych projekt 2 | | | | 30 | | | O | 2 | | | | | | | | |
| 8 | | Bezpieczeństwo systemów informatycznych | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 9 | | Biznes plan | | | | | | | | | | | | | | | | |
| 10 | | Dynamiczne raportowanie | | | | | | | | | | | | | | | | |
| 11 | | Kontrola jakości | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 12 | | LaTeX | | | 30 | | | | O | 2 | | | | | | | | |
| 13 | | Matematyka dyskretna 2 | 30 | 30 | | | | | OO | 5 | | | | | | | | |
| 14 | | Modele sztucznej inteligencji | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 15 | | Modele sztucznej inteligencji | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 16 | | Pakiety matematyczne | | | | | | | | | | | 30 | | | | O | 2 |
| 17 | | Podstawy kryptografii | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 18 | | Podstawy modelowania matematycznego | 15 | | | 30 | | | EO | 5 | | | | | | | | |
| 19 | | Podstawy sieci komputerowych | 30 | | 30 | | | | OO | 5 | | | | | | | | |
| 20 | | Podstawy zarządzania i bezpieczeństwa systemów baz danych | | | | | | | | | 15 | | 30 | | | | OO | 4 |
| 21 | | Praktyczne metody statystyki | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 22 | | Praktyka zawodowa | | | | | | | | | | | | | | | | |
| 23 | | Programowanie aplikacji mobilnych | 30 | | 30 | | | | OO | 5 | | | | | | | | |
| 24 | | Programowanie komputerów kwantowych | | | | | | | | | 30 | | 30 | | | | OO | 5 |
| 25 | | Programowanie obiektowe 1 | 30 | | 30 | | | | EO | 6 | | | | | | | | |
| 26 | | Programowanie obiektowe 2 | | | | | | | | | 30 | | 30 | | | | EO | 6 |
| 27 | | Programowanie w pakietach statystycznych | | | | | | | | | | | | 30 | | | O | 2 |
| 28 | | Statystyka matematyczna laboratorium | | | | | | | | | | | 30 | | | | O | 2 |
| 29 | | Teoria gier | | | | | | | | | | | | | | | | |
| 30 | | Wstęp do metod numerycznych | | | | | | | | | | | | | | | | |
| 31 | | Wstęp do planowania doświadczeń | | | | | | | | | 30 | | 30 | | | | OO | 5 |
| 1 | Humanistyczne | Polszczyzna w praktyce | | 30 | | | | | O | 3 | | | | | | | | |
| 2 | | Wstęp do pisania i redagowania prac dyplomowych | | 30 | | | | | O | 3 | | | | | | | | |