



| moduły | ogółem godzin/ pkt ECTS | | ECTS zajęcia prakt. | ECTS udział NA | w tym godzin: | | | | | liczba godzin/rygor/pkt ECTS w semestrze: | | | | | | | | | | | | | | jednostka organizacyjna (instytut/katedra) odpowiedzialna za moduł | | | | | | | | | | | | | | | | | | | | | |
|--|--|------|------------------------|-------------------|---------------|--------|------|---------|--------|---|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-----------|--|-------|------|-----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|----|---|--|--|
| | godz. | ECTS | | | wykl. | ćwicz. | lab. | projekt | semin. | I | | II | | III | | IV | | V | | VI | | VII | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | godz. | ECTS | godz. | ECTS | godz. | ECTS | godz. | ECTS | godz. | ECTS | godz. | ECTS | godz. | ECTS | | godz. | ECTS | | | | | | | | | | | | | | | | | | | |
| A. moduły ogólne | | | | | | | | | | | | | | | | | | | | | | | | 224 | 17 | 74 | 130 | 14 | 6 | 22 | 2 | 12 | 1 | 30 | 2 | 30 | 2 | 50 | 3 | 50 | 4 | 30 | 3 | | |
| 1 | bezpieczeństwo i higiena pracy (BHP) | | 4 | 0 | 4 | | | 4 | + | 0 | | | | | | | | | | | | | ZBiHP | | | | | | | | | | | | | | | | | | | | | | |
| 2 | ergonomia i ochrona pracy | | 12 | 1 | 6 | | 4 | | | | | | | | | | | | | | 12 | + | 1 | WME / WEL | | | | | | | | | | | | | | | | | | | | | |
| 3 | filozofia | | 18 | 2 | 12 | 6 | | | | | | | | | | | | | | | 18 | + | 2 | WCY / WEL | | | | | | | | | | | | | | | | | | | | | |
| 4 | Historia Polski-wybrane aspekty 1 | | 20 | 1 | 18 | 2 | | | | | | | | | 20 | + | 1 | | | | | | WCY | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Historia Polski-wybrane aspekty 2 | | 20 | 2 | 18 | 2 | | | | | | | | | | | | 20 | X | 2 | | | WCY | | | | | | | | | | | | | | | | | | | | | | |
| 6 | podstawy normalizacji oraz ochrony własności intelektualnej i przemysłowej | | 12 | 1 | 8 | | 4 | | | 12 | + | 1 | | | | | | | | | | | WEL / IRE | | | | | | | | | | | | | | | | | | | | | | |
| 8 | technologia informacyjna | | 18 | 2 | 8 | | 10 | | | | | | | | | | | | | | | | WEL / IRE | | | | | | | | | | | | | | | | | | | | | | |
| język obcy do wyboru: | | 120 | 8 | 120 | | | | | | | 30 | + | 2 | 30 | + | 2 | 30 | + | 2 | 30 | + | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | język angielski 1, 2, 3, 4 | | 120 | 8 | 120 | | | | | | 30 | + | 2 | 30 | + | 2 | 30 | + | 2 | 30 | + | 2 | SJO | | | | | | | | | | | | | | | | | | | | | | |
| 10 | język niemiecki 1, 2, 3, 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | język francuski 1, 2, 3, 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | język rosyjski 1, 2, 3, 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B. moduły podstawowe | | | | | | | | | | | | | | | | | | | | | | | | 380 | 50 | 178 | 138 | 64 | 26 | 210 | 26 | 152 | 21 | 18 | 3 | | | | | | | | | | |
| 1 | algebra z geometrią analityczną | | 28 | 3 | 14 | 10 | 4 | | 28 | X | 3 | | | | | | | | | | | | WCY | | | | | | | | | | | | | | | | | | | | | | |
| 2 | analiza matematyczna 1 | | 48 | 5 | 24 | 24 | | 48 | X | 5 | | | | | | | | | | | | | WCY | | | | | | | | | | | | | | | | | | | | | | |
| 2 | analiza matematyczna 2 | | 44 | 4 | 14 | 14 | | | | 28 | X | 4 | | | | | | | | | | | WCY | | | | | | | | | | | | | | | | | | | | | | |
| 3 | chemia | | 36 | 5 | 16 | 8 | 12 | | 36 | + | 5 | | | | | | | | | | | | WTC | | | | | | | | | | | | | | | | | | | | | | |
| 4 | elektrotechnika | | 44 | 6 | 16 | 16 | 12 | | | | 44 | X | 6 | | | | | | | | | | WEL / ISE | | | | | | | | | | | | | | | | | | | | | | |
| 5 | fizyka 1 | | 34 | 5 | 16 | 10 | 8 | | 34 | + | 5 | | | | | | | | | | | | WTC | | | | | | | | | | | | | | | | | | | | | | |
| 5 | fizyka 2 | | 28 | 4 | 12 | 8 | 8 | | | | 28 | X | 4 | | | | | | | | | | WTC | | | | | | | | | | | | | | | | | | | | | | |
| 6 | grafika inżynierska | | 30 | 3 | 12 | 18 | | | 30 | + | 3 | | | | | | | | | | | | WME | | | | | | | | | | | | | | | | | | | | | | |
| 7 | materiały konstrukcyjne | | 34 | 5 | 18 | | 16 | | 34 | X | 5 | | | | | | | | | | | | WTC | | | | | | | | | | | | | | | | | | | | | | |
| 8 | mechanika techniczna 1 | | 28 | 4 | 14 | 14 | | | | | 28 | + | 4 | | | | | | | | | | WME | | | | | | | | | | | | | | | | | | | | | | |
| 8 | mechanika techniczna 2 | | 18 | 3 | 10 | 8 | | | | | 18 | + | 3 | | | | | | | | | | WME | | | | | | | | | | | | | | | | | | | | | | |
| 9 | rachunek prawdopodobieństwa i statystyka matematyczna | | 24 | 3 | 12 | 8 | 4 | | | | 24 | + | 3 | | | | | | | | | | WCY | | | | | | | | | | | | | | | | | | | | | | |
| C. moduły kierunkowe | | | | | | | | | | | | | | | | | | | | | | | | 418 | 60 | 234 | 56 | 102 | 26 | | | 74 | 8 | 152 | 25 | 28 | 4 | 104 | 14 | 42 | 7 | 18 | 2 | | |
| 1 | automatyka | | 36 | 6 | 18 | 6 | 12 | | | | 36 | X | 6 | | | | | | | | | | WEL / ISE | | | | | | | | | | | | | | | | | | | | | | |
| 2 | eksploatacja urządzeń elektroenergetycznych | | 18 | 3 | 12 | | 6 | | | | | | | | | | | 18 | + | 3 | | | WEL / ISE | | | | | | | | | | | | | | | | | | | | | | |
| 3 | elektronika | | 36 | 6 | 20 | | 16 | | | | 36 | X | 6 | | | | | | | | | | WEL / ISE | | | | | | | | | | | | | | | | | | | | | | |
| 4 | gospodarka energetyczna | | 24 | 4 | 16 | | 8 | | | | | | | | | | | 24 | X | 4 | | | WEL / ISE | | | | | | | | | | | | | | | | | | | | | | |
| 5 | maszyny elektryczne | | 44 | 8 | 20 | 8 | 16 | | | | 44 | X | 8 | | | | | | | | | | WEL / ISE | | | | | | | | | | | | | | | | | | | | | | |
| 6 | materiały eksploatacyjne | | 18 | 2 | 8 | | 10 | | | | 18 | + | 2 | | | | | | | | | | WME | | | | | | | | | | | | | | | | | | | | | | |
| 7 | mechanika płynów 1 | | 28 | 3 | 16 | 12 | | | | | 28 | + | 3 | | | | | | | | | | WMT | | | | | | | | | | | | | | | | | | | | | | |
| 7 | mechanika płynów 2 | | 18 | 3 | 10 | | 8 | | | | 18 | + | 3 | | | | | | | | | | WMT | | | | | | | | | | | | | | | | | | | | | | |
| 8 | ochrona środowiska w energetyce | | 18 | 3 | 10 | | 8 | | | | | | | | | | 18 | + | 3 | | | | IOE / WEL | | | | | | | | | | | | | | | | | | | | | | |
| 9 | odnawialne źródła energii | | 18 | 3 | 10 | | 8 | | | | | | | | | | 18 | + | 3 | | | | WME | | | | | | | | | | | | | | | | | | | | | | |
| 10 | projektowanie w energetyce | | 28 | 4 | 12 | 16 | | | | | 28 | X | 4 | | | | | | | | | | WME | | | | | | | | | | | | | | | | | | | | | | |
| 11 | prowadzenie działalności przedsiębiorstwa energetycznego na rynku | | 18 | 2 | 18 | | | | | | | | | | | | | | | 18 | + | 2 | WEL / WME | | | | | | | | | | | | | | | | | | | | | | |
| 12 | przesyłanie energii elektrycznej | | 32 | 4 | 20 | | 12 | | | | | | | | | | 32 | X | 4 | | | | WEL / ISE | | | | | | | | | | | | | | | | | | | | | | |
| 13 | technologie maszyn energetycznych | | 36 | 4 | 18 | 10 | 8 | | | | | | | | | | 36 | X | 4 | | | | WME | | | | | | | | | | | | | | | | | | | | | | |
| 14 | termodynamika techniczna 1 | | 28 | 3 | 16 | 4 | 8 | | | | 28 | X | 3 | | | | | | | | | | WMT | | | | | | | | | | | | | | | | | | | | | | |
| 14 | termodynamika techniczna 2 | | 18 | 2 | 10 | | 8 | | | | 18 | + | 2 | | | | | | | | | | WMT | | | | | | | | | | | | | | | | | | | | | | |
| D. moduły specjalistyczne | | | | | | | | | | | | | | | | | | | | | | | | 528 | 53 | 296 | 24 | 158 | 34 | 16 | 18 | 2 | | | | 208 | 22 | 132 | 12 | 170 | 17 | | | | |
| moduły specjalistyczne wspólne | | | | | | | | | | | | | | | | | | | | | | | | 66 | 7 | 40 | | 22 | 4 | 18 | 2 | | | | | | | | 18 | 2 | 30 | 3 | | | |
| 1 | bezpieczeństwo użytkowania urządzeń elektrycznych | | 12 | 1 | 10 | | 2 | | | | | | | | | | | | | 12 | + | 1 | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 2 | podstawy metrologii | | 18 | 2 | 8 | | 10 | | 18 | + | 2 | | | | | | | | | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 3 | podstawy wymiany ciepła | | 18 | 2 | 12 | | 6 | | | | | | | | | | 18 | + | 2 | | | | WMT | | | | | | | | | | | | | | | | | | | | | | |
| 4 | podstawy techniki wysokich napięć | | 18 | 2 | 10 | | 6 | 2 | | | | | | | | | | | | 18 | + | 2 | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| pozostałe moduły specjalistyczne | | | | | | | | | | | | | | | | | | | | | | | | 406 | 42 | 232 | 24 | 104 | 34 | 12 | | | | | | 208 | 22 | 114 | 10 | 84 | 10 | | | | |
| 5 | aparaty elektryczne | | 26 | 3 | 18 | | 8 | | | | | | | | | | 26 | X | 3 | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 6 | cyfrowe przetwarzanie sygnałów | | 28 | 3 | 16 | 12 | | | | | | | | | | | | | 28 | + | 3 | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 7 | energoelektronika | | 28 | 3 | 16 | | 12 | | | | 28 | X | 3 | | | | | | | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 8 | instalacje elektryczne | | 28 | 2 | 16 | | 12 | | | | | | | | | | 28 | + | 2 | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 9 | inteligentne instalacje energetyczne | | 18 | 2 | 10 | | 8 | | | | | | | | | | | | 18 | X | 2 | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 10 | jakość energii elektrycznej | | 26 | 2 | 18 | | 4 | 4 | | | | | | | | | 26 | + | 2 | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 11 | kompatybilność elektromagnetyczna w energetyce | | 20 | 2 | 12 | | 8 | | | | 20 | + | 2 | | | | | | | | | | WEL / ITK | | | | | | | | | | | | | | | | | | | | | | |
| 12 | metodyka i techniki programowania | | 36 | 4 | 20 | | 16 | | | | 36 | + | 4 | | | | | | | | | | WEL / IRE | | | | | | | | | | | | | | | | | | | | | | |
| 13 | miernictwo wielkości elektrycznych i nieelektrycznych | | 44 | 4 | 20 | | 24 | | | | 44 | + | 4 | | | | | | | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 14 | podstawy konstrukcji elektromechanicznych | | 28 | 4 | 16 | | 12 | | | | | | | | | | 28 | X | 4 | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 15 | projekt przejściowy | | 10 | 1 | | | 10 | | | | | | | | | | | | 10 | + | 1 | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 16 | przemiany elektrotermiczne w energetyce | | 28 | 3 | 16 | 12 | | | | | 28 | X | 3 | | | | | | | | | | WEL / IOE | | | | | | | | | | | | | | | | | | | | | | |
| 17 | technika cyfrowa | | 24 | 3 | 16 | | 8 | | | | 24 | + | 3 | | | | | | | | | | WEL / ITK | | | | | | | | | | | | | | | | | | | | | | |
| 18 | technika mikroprocesorowa | | 34 | 3 | 22 | | 12 | | | | | | | | | | 34 | + | 3 | | | | WEL / ITK | | | | | | | | | | | | | | | | | | | | | | |
| 19 | technika obliczeniowa i symulacyjna | | 28 | 3 | 16 | | 12 | | | | 28 | + | 3 | | | | | | | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| pozostałe specjalistyczne wybierane | | | | | | | | | | | | | | | | | | | | | | | | 56 | 4 | 24 | | 32 | | | | | | | | | | | 56 | 4 | | | | | |
| dwa moduły wybierane z grupy czterech | | | | | | | | | | | | | | | | | | | | | | | | 56 | 4 | 24 | | 32 | | | | | | | | | | | 56 | 4 | | | | | |
| 20 | graficzne środowiska programowe | | 28 | | 4 | | 24 | | | | | | | | | | | | | 28 | + | 2 | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| 21 | diagnostyka termowizyjna w energetyce | | 28 | 4 | 20 | | 8 | | | | | | | | | | | | | 28 | + | 2 | IOE | | | | | | | | | | | | | | | | | | | | | | |
| 22 | technologie fotowoltaiczne w energetyce | | | | 16 | 12 | | | | | | | | | | | | | | | | | IOE | | | | | | | | | | | | | | | | | | | | | | |
| 23 | zabezpieczenia obiektów energetycznych | | | | 12 | 4 | 12 | | | | | | | | | | | | | | | | WEL/ISE | | | | | | | | | | | | | | | | | | | | | | |
| E. moduły związane z pracą dyplomową | | | | | | | | | | | | | | | | | | | | | | | | 28 | 26 | | | | 28 | | | | | | | 8 | 1 | | | | 20 | 25 | | | |
| 1 | seminaria przeddyplomowe | | 8 | 1 | | | 8 | | | | | | | 8 | + | 1 | | | | | | | WEL | | | | | | | | | | | | | | | | | | | | | | |
| 2 | seminaria dyplomowe | | 20 | 5 | | | 20 | | | | | | | | | | | | | 20 | + | 5 | WEL | | | | | | | | | | | | | | | | | | | | | | |
| 3 | praca dyplomowa | | | 20 | | | | | | | | | | | | | | | | | | 20 | WME i WEL | | | | | | | | | | | | | | | | | | | | | | |
| F. praktyki zawodowe | | | | | | | | | | | | | | | | | | | | | | | | tyg. | 4 | | | | | | | | | | | | | | | | | | | | |

