ZATWIERDZAM
Wydziałowy Inżynierii Bezpieczeństwa Pożarowego i Ratownictwa
mł. bryg. dr inż. Anna PREDECKA

Załącznik nr 6 do Obwieszczenia nr 1/2017
Przewodniczącego Wydziału IBC
Z dnia 28.09.2017

# PLAN STUDIÓW

## STUDIA NIESTACJONARNE

## INŻNIERIA BEZPIECZEŃSTWA

| Lp. | Przedmiot | Egzamin (sem) | Punkty ECTS | Punkty ECTS w sem. | | | | | | | Razem godz. | W | C | L | P | I rok | | | | | | | | II rok | | | | | | | | III rok | | | | | | | | IV rok | | | |
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| | | | | | | | | | | | | | | | | 1 sem. | | | | 2 sem. | | | | 3 sem. | | | | 4 sem. | | | | 5 sem. | | | | 6 sem. | | | | 7 sem. | | | |
| | | | | | | | | | | | | | | | | 8 zjazdów | | | | 8 zjazdów | | | | 8 zjazdów | | | | 8 zjazdów | | | | 8 zjazdów | | | | 8 zjazdów | | | | 4 zjazdy | | | |
| | | | | | | | | | | | | | | | | W | C | L | P | W | C | L | P | W | C | L | P | W | C | L | P | W | C | L | P | W | C | L | P | W | C | L | P |
| 1 | 2 | 3 | 4 | I | II | III | IV | V | VI | VII | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| A. PRZEDMIOTY OGÓLNE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Język obcy 1 | | | 2 | | | | | | | 16 | 0 | 16 | 0 | 0 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Język obcy 2 | | | | 1 | | | | | | 16 | 0 | 16 | 0 | 0 | | | | | | 16 | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Język obcy 3 | | 7 | | | 1 | | | | | 16 | 0 | 16 | 0 | 0 | | | | | | | | | | 16 | | | | | | | | | | | | | | | | | | |
| 4 | Język obcy 4 | | | | | | 1 | | | | 24 | 0 | 24 | 0 | 0 | | | | | | | | | | | | | | 24 | | | | | | | | | | | | | | |
| 5 | Język obcy 5 | | | | | | | 1 | | | 24 | 0 | 24 | 0 | 0 | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | |
| 6 | Język obcy 6 | 6 | | | | | | | 1 | | 24 | 0 | 24 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | |
| 7 | Technologie informacyjne | | 2 | 1 | 1 | | | | | | 34 | 18 | 0 | 16 | 0 | 18 | | | | | | 16 | | | | | | | | | | | | | | | | | | | | | |
| | Razem | | 9 | 3 | 2 | 1 | 1 | 1 | 1 | 0 | 154 | 18 | 120 | 16 | 0 | 18 | 16 | 0 | 0 | 0 | 16 | 16 | 0 | 0 | 16 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| B. PRZEDMIOTY PODSTAWOWE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Informatyka | | 3 | 3 | | | | | | | 32 | 16 | 0 | 16 | 0 | 16 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Matematyka 1 | | 10 | 6 | | | | | | | 50 | 18 | 32 | 0 | 0 | 18 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Matematyka 2 | 2 | | | 4 | | | | | | 25 | 9 | 16 | 0 | 0 | | | | | 9 | 16 | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Chemia 1 | | 9 | 5 | | | | | | | 34 | 18 | 16 | 0 | 0 | 18 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Chemia 2 | 2 | | | 4 | | | | | | 16 | 0 | 16 | 0 | 0 | | | | | | 16 | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Fizyka | 1 | 6 | 6 | | | | | | | 50 | 18 | 16 | 16 | 0 | 18 | 16 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Mechanika i wytrzymałość materiałów | | 4 | 2 | 2 | | | | | | 34 | 18 | 16 | 0 | 0 | 18 | | | | | 16 | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Mechanika i wytrzymałość materiałów 2 | 4 | 5 | | 5 | | | | | | 24 | 0 | 8 | 16 | 0 | | | | | | 8 | 16 | | | | | | | | | | | | | | | | | | | | | |
| 16 | Grafika inżynierska | | 5 | 5 | | | | | | | 32 | 16 | 0 | 16 | 0 | 16 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Analiza ryzyka | 2 | 5 | | | | 5 | | | | 32 | 16 | 16 | 0 | 0 | | | | | | | | | | | | | 16 | 16 | | | | | | | | | | | | | | |
| | Razem | | 47 | 27 | 15 | 0 | 5 | 0 | 0 | 0 | 329 | 129 | 136 | 64 | 0 | 104 | 64 | 48 | 0 | 9 | 56 | 16 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| C. PRZEDMIOTY KIERUNKOWE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Psychologia i socjologia | | 2 | | | | 1 | 1 | | | 24 | 16 | 8 | 0 | 0 | | | | | | | | | | | | | | 16 | | | | | 8 | | | | | | | | | | | | | | |
| 19 | Prawo krajowe i międzynarodowe w ochronie ludności** | | 2 | | | 2 | | | | | 34 | 18 | 16 | 0 | 0 | | | | | | | | | 18 | 16 | | | | | | | | | | | | | | | | | | | | | |
| 20 | Bezpieczeństwo informacji | | 2 | | | | 2 | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | |
| 21 | Organizacja i funkcjonowanie systemów bezpieczeństwa | | 2 | | | 2 | | | | | 24 | 16 | 8 | 0 | 0 | | | | | | | | | 16 | 8 | | | | | | | | | | | | | | | | | | | | | |
| 22 | Organizacja systemów ratownictwa | 4 | 3 | | | | 3 | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | |
| 23 | Środki bezpieczeństwa i ochrony | | 2 | | 2 | | | | | | 32 | 16 | 8 | 8 | 0 | | | | | 16 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | Logistyka w bezpieczeństwie | 4 | 5 | | | | 5 | | | | 32 | 16 | 8 | 0 | 8 | | | | | | | | | | | | | 16 | 8 | | 8 | | | | | | | | | | | | | | | |
| 25 | Inżynieria bezpieczeństwa technicznego | | 2 | | | 2 | | | | | 16 | 8 | 0 | 0 | 8 | | | | | | | | | 8 | | | 8 | | | | | | | | | | | | | | | | | | | |
| 26 | Skutki zagrożeń środowiska naturalnego | | 2 | | | 2 | | | | | 24 | 8 | 16 | 0 | 0 | | | | | | | | | 8 | 16 | | | | | | | | | | | | | | | | | | | | | |
| 27 | Skutki zagrożeń infrastruktury komunalnej | | 2 | | | 2 | | | | | 16 | 8 | 0 | 0 | 8 | | | | | | | | | 8 | | | 8 | | | | | | | | | | | | | | | | | | | |
| 28 | Metody ilościowej i jakościowej oceny ryzyka | 5 | 5 | | | | | 5 | | | 32 | 8 | 0 | 0 | 24 | | | | | | | | | | | | | | | | | | 8 | | | 24 | | | | | | | | | | |
| 29 | Skutki zagrożeń biologicznych i ekologicznych | | 2 | | | | | 2 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | |
| 30 | Multimedialny trening decyzyjny | | 4 | | | | | | 4 | | 32 | 8 | 0 | 24 | 0 | | | | | | | | | | | | | | | | | | | | | | 8 | | 24 | | | | | | | |
| 31 | Skutki zagrożeń społeczno-ekonomicznych | | 2 | | | 2 | | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | | | | |
| 32 | Zarządzanie ciągłością działania | | 4 | | | | | | | 4 | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | 8 |
| 33 | Modelowanie zagrożeń | 5 | 5 | | | | | 5 | | | 32 | 8 | 0 | 24 | 0 | | | | | | | | | | | | | | | | | | 8 | | 24 | | | | | | | | | | | |
| 34 | Ergonomia i fizjologia w bezpieczeństwie pracy | | 3 | | | | | | 3 | | 24 | 8 | 16 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 8 | 16 | | | | | | | |
| 35 | Infrastruktura krytyczna | | 2 | | | | | 2 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | |
| 36 | Monitorowanie zagrożeń bezpieczeństwa | | 5 | | 5 | | | | | | 48 | 16 | 0 | 16 | 16 | | | | | 16 | | 16 | 16 | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Media i komunikowanie masowe | | 4 | | | | 4 | | | | 32 | 8 | 0 | 24 | 0 | | | | | | | | | | | | | 8 | | 24 | | | | | | | | | | | | | | | | |
| 38 | Nauki o materiałach (Budownictwo) | | 4 | | | | 4 | | | | 32 | 16 | 0 | 8 | 8 | | | | | | | | | | | | | 16 | | 8 | 8 | | | | | | | | | | | | | | | |
| | Razem | | 64 | 0 | 7 | 12 | 19 | 15 | 7 | 4 | 530 | 226 | 120 | 104 | 80 | 0 | 0 | 0 | 0 | 32 | 8 | 24 | 16 | 66 | 48 | 0 | 16 | 72 | 24 | 32 | 16 | 32 | 24 | 24 | 24 | 16 | 16 | 24 | 0 | 8 | 0 | 0 | 8 |
| D. PRZEDMIOTY FAKULTATYWNE /SPECJALISTYCZNE/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | Zarządzanie zasobami ludzkimi | | 2 | | | | | | 2 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | |
| 39 | Organizacja i zarządzanie | 1 | 3 | 3 | | | | | | | 16 | 8 | 8 | 0 | 0 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | Wybrane zagadnienia z ekonomii | | 5 | | | | | | | 5 | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | Rysunek Techniczny | | 3 | | 3 | | | | | | 16 | 8 | 0 | 8 | 0 | | | | | 8 | | 8 | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | |
| 42 | Proseminarium dyplomowe | | 1 | | | | | 1 | | | 8 | 0 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | |
| 43 | Seminarium dyplomowe | | 15 | | | | | | 4 | | 16 | 0 | 16 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | | |
| 44 | Seminarium dyplomowe | | | | | | | | | 11 | 16 | 0 | 16 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | |
| | Razem | | 29 | 3 | 3 | 0 | 0 | 1 | 6 | 16 | 104 | 32 | 64 | 8 | 0 | 8 | 8 | 0 | 0 | 8 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 8 | 24 | 0 | 0 | 8 | 24 | 0 | 0 |

E. PRZEDMIOTY
SPECJALNOŚCI: INŻYNIERIA
BEZPIECZEŃSTWA CYWILNEGO

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 45 | Postepowanie administracyjne | | 2 | | | | | | 2 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | |
| 46 | Ochrona dóbr kultury | | 1 | | | | | | 1 | | 16 | 16 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | | |
| 47 | Planowanie cywilne | 3 | 4 | | | 4 | | | | | 26 | 18 | 8 | 0 | 0 | | | | | | | | | 18 | 8 | | | | | | | | | | | | | | | | | | |
| 48 | Pracownia modelowania bezpieczeństwa | | 2 | | | | | | 2 | | 16 | 0 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | | | | | 16 | | | | | |
| 49 | Elementy teorii decyzji | | 2 | | | | | 2 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | |
| 50 | Zarządzanie kryzysowe | | 4 | | | | | 4 | | | 24 | 8 | 16 | 0 | 0 | | | | | | | | | | | | | | | | | 8 | 16 | | | | | | | | | | |
| 51 | Systemy informacji przestrzennej | | 3 | | | | | 3 | | | 16 | 8 | 0 | 8 | 0 | | | | | | | | | | | | | | | | | 8 | | 8 | | | | | | | | | |
| 52 | Integracja działań bezpieczeństwa cywilnego | 5 | 5 | | | | | 5 | | | 32 | 8 | 8 | 0 | 16 | | | | | | | | | | | | | | | | | 8 | 8 | | 16 | | | | | | | | |
| 53 | Planowanie przestrzenne | | 2 | | | | 2 | | | | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | 8 | | | 8 | | | | | | | | | | | | |
| 54 | Metody numeryczne | | 4 | | | 4 | | | | | 32 | 16 | 0 | 16 | 0 | | | | | | | | | 16 | | 16 | | | | | | | | | | | | | | | | | |
| 55 | Rachunek prawdopodobieństwa i statystyka matematyczna | | 4 | | | | 4 | | | | 32 | 16 | 16 | 0 | 0 | | | | | | | | | | | | | 16 | 16 | | | | | | | | | | | | | | |
| 56 | Zarządzanie bezpieczeństwem cywilnym | 6 | 4 | | | | | | 4 | | 32 | 8 | 8 | 0 | 16 | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | 16 | | | | |
| 57 | Edukacja dla bezpieczeństwa cywilnego | | 2 | | | | | | 2 | | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | 8 | | | 8 | | | | |
| 58 | Wybrane problemy bezpieczeństwa | 6 | 3 | | | | | | 3 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | |
| 59 | Międzynarodowe instytucje bezpieczeństwa | | 2 | | | 2 | | | | | 24 | 8 | 16 | 0 | 0 | | | | | | | | | 8 | 16 | | | | | | | | | | | | | | | | | | |
| 60 | Badania operacyjne | 3 | 3 | | | 3 | | | | | 32 | 16 | 16 | 0 | 0 | | | | | | | | | 16 | 16 | | | | | | | | | | | | | | | | | | |
| 61 | Podstawy AutoCad-a | | 2 | | | 2 | | | | | 16 | 8 | 0 | 8 | 0 | | | | | | | | | 8 | | 8 | | | | | | | | | | | | | | | | | |
| 62 | Systemy wspomagania decyzji | | 4 | | | | 4 | | | | 32 | 16 | 8 | 8 | 0 | | | | | | | | | | | | | 16 | 8 | 8 | | | | | | | | | | | | | |
| 63 | Praktyki pomiarowe (przerwa wakacyjna) | | 3 | | | | | | 3 | | 30 | 0 | 0 | 30 | 0 | | | | | | | | | | | | | | | | | | | | | | | 30 | | | | | |
| 64 | Praktyki zawodowe (przerwa wakacyjna) | | 6 | | | | | | 6 | | 160 | 0 | 160 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 160 | | | | | |
| | **Razem** *(specjalność)* | | 62 | 0 | 0 | 15 | 10 | 14 | 23 | 0 | 600 | 186 | 280 | 86 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 40 | 24 | 0 | 40 | 24 | 8 | 8 | 32 | 32 | 8 | 16 | 48 | 184 | 46 | 24 | 0 | 0 | 0 | 0 |
| | OGÓŁEM *(cały program)* | | 211 | 33 | 27 | 28 | 35 | 31 | 37 | 20 | 1717 | 591 | 720 | 278 | 128 | 130 | 88 | 48 | 0 | 49 | 80 | 64 | 16 | 132 | 104 | 24 | 16 | 128 | 88 | 40 | 24 | 64 | 88 | 32 | 40 | 72 | 248 | 70 | 24 | 16 | 24 | 0 | 8 |

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| E. PRZEDMIOTY - SPECJALNOŚCI: INŻYNIERIA BEZPIECZEŃSTWA PRACY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | Identyfikacja i analiza zagrożeń biologicznych | | 2 | | | 2 | | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | | | |
| 46 | BHP w obiektach infrastruktury krytycznej | | 2 | | | | | | 2 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | |
| 47 | Monitorowanie stanu bezpieczeństwa i higieny pracy | 3 | 4 | | | 4 | | | | | 24 | 8 | 16 | 0 | 0 | | | | | | | | | 8 | 16 | | | | | | | | | | | | | | | | | | | |
| 48 | Ergonomia i projektowanie stanowisk pracy | | 3 | | | | | | 3 | | 32 | 16 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | | | | 16 | | 16 | | | | | |
| 49 | Środki ochrony indywidualnej i zbiorowej | | 2 | | | | | 2 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | |
| 50 | Działania profilaktyczne | | 3 | | | 3 | | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | | |
| 51 | Praca zmianowa | | 2 | | | | | 2 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | |
| 52 | Zagrożenia pożarowe i wybuchowe | 5 | 4 | | | | | 4 | | | 24 | 8 | 8 | 0 | 8 | | | | | | | | | | | | | | | | | | | 8 | 8 | | 8 | | | | | | | |
| 53 | Organizacja i metody szkolenia BHP | | 3 | | | | 3 | | | | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | | 8 | | | 8 | | | | | | | | | | | | |
| 54 | Szkodliwe substancje chemiczne | | 4 | | | 4 | | | | | 32 | 16 | 0 | 0 | 16 | | | | | | | | | 16 | | | 16 | | | | | | | | | | | | | | | | | |
| 55 | Pyły w środowisku pracy | | 3 | | | | 3 | | | | 32 | 16 | 16 | 0 | 0 | | | | | | | | | | | | | | 16 | 16 | | | | | | | | | | | | | | |
| 56 | Zagrożenia elektroenergetyczne | 6 | 4 | | | | | | 4 | | 32 | 8 | 8 | 0 | 16 | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | 16 | | | | |
| 57 | Promieniowanie optyczne i widzialne | | 2 | | | | | | 2 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | |
| 58 | Ocena ryzyka zawodowego w systemie zarządzania bezpieczeństwem pracy | 6 | 3 | | | | | | 3 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | |
| 59 | Mikroklimat środowiska pracy | | 1 | | | | | 1 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | |
| 60 | Maszyny i urządzenia produkcyjne | 3 | 4 | | | 4 | | | | | 24 | 8 | 16 | 0 | 0 | | | | | | | | | 8 | 16 | | | | | | | | | | | | | | | | | | | |
| 61 | Wypadkoznastwo | | 2 | | | 2 | | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | | |
| 62 | Ratownictwo i systemy pierwszej pomocy w przedsiębiorstwie | | 2 | | | | | | | 2 | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | 8 |
| 63 | Laboratorium BHP | | 3 | | | | | | | 3 | 24 | 0 | 0 | 24 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | |
| 64 | Praktyki pomiarowe (przerwa wakacyjna) | | 3 | | | | | | 3 | | 30 | 0 | 0 | 30 | 0 | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | | |
| 65 | Praktyki zawodowe (przerwa wakacyjna) | | 6 | | | | | | 6 | | 160 | 0 | 160 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | 160 | | | | | |
| | **Razem** *(specjalność)* | | 62 | 0 | 0 | 19 | 6 | 9 | 23 | 5 | 590 | 168 | 296 | 70 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 56 | 0 | 16 | 24 | 16 | 0 | 8 | 32 | 32 | 0 | 8 | 48 | 192 | 46 | 16 | 8 | 0 | 24 | 8 |
| | OGÓŁEM *(cały program)* | | 211 | 33 | 27 | 32 | 31 | 26 | 37 | 25 | 1707 | 573 | 736 | 262 | 136 | 130 | 88 | 48 | 0 | 49 | 80 | 64 | 16 | 122 | 120 | 0 | 32 | 112 | 80 | 32 | 24 | 64 | 88 | 24 | 32 | 72 | 256 | 70 | 16 | 24 | 24 | 24 | 16 |

| | E. PRZEDMIOTY SPECJALNOŚCI: INŻYNIERIA CIĄGŁOŚCI DZIAŁANIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | Uwarunkowania normatywno-prawne ciągłości działania | | 2 | | | 2 | | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Outsourcing w ciągłości działania | | 2 | | | | | | 2 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | |
| 47 | Strategia zarządzania ciągłością działania w organizacji | 3 | 4 | | | 4 | | | | | 24 | 8 | 16 | 0 | 0 | | | | | | | | | 8 | 16 | | | | | | | | | | | | | | | | | | | | | | |
| 48 | Projektowanie i wdrożenie systemu zarządzania ciągłością działania w organizacji | | 3 | | | | | | 3 | | 32 | 16 | 0 | 16 | 0 | | | | | | | | | | | | | | | | | | | | | 16 | | 16 | | | | | | | | |
| 49 | Krytyczne zasoby organizacji | | 2 | | | | | 2 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | |
| 50 | Istota ciągłości działania | | 3 | | | 3 | | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| 51 | Ocena dojrzałości systemu zarządzania ciągłością działania | | 2 | | | | | 2 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | |
| 52 | Analiza wpływu na biznes (BIA) | 5 | 4 | | | | | 4 | | | 24 | 8 | 8 | 0 | 8 | | | | | | | | | | | | | | | | | | 8 | 8 | | 8 | | | | | | | | | | |
| 53 | Komunikacja kryzysowa | | 3 | | | | 3 | | | | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | | 8 | | | 8 | | | | | | | | | | | | | | | |
| 54 | Zrozumienie organizacji i polityka ciągłości działania | | 4 | | | 4 | | | | | 32 | 16 | 0 | 0 | 16 | | | | | | | | | 16 | | | 16 | | | | | | | | | | | | | | | | | | | | |
| 55 | Zarzadzanie ryzykiem w ciągłości działania | | 3 | | | | 3 | | | | 32 | 16 | 16 | 0 | 0 | | | | | | | | | | | | | | 16 | 16 | | | | | | | | | | | | | | | | | |
| 56 | Zasady przeglądu i audytu systemu zarządzania ciągłością działania | 6 | 4 | | | | | | 4 | | 32 | 8 | 8 | 0 | 16 | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | 16 | | | | | | | |
| 57 | Logistyka w ciągłości działania | | 2 | | | | | | 2 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | |
| 58 | Systemy wspomagające zarządzanie ciągłością działania | 6 | 3 | | | | | | 3 | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | |
| 59 | Plany ciągłości działania | | 1 | | | | | 1 | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | | | | | | | | | | 8 | 8 | | | | | | | | | | | | | |
| 60 | Ciągłość działania w przedsiębiorstwie | 3 | 4 | | | 4 | | | | | 24 | 8 | 16 | 0 | 0 | | | | | | | | | 8 | 16 | | | | | | | | | | | | | | | | | | | | | | |
| 61 | Ciągłosc działania w administracji publicznej | | 2 | | | 2 | | | | | 16 | 8 | 8 | 0 | 0 | | | | | | | | | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | |
| 62 | Dobre praktyki i rekomendacje | | 2 | | | | | | | 2 | 16 | 8 | 0 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | 8 |
| 63 | Zasady testowania i organizacji ćwiczeń | | 3 | | | | | | | 3 | 24 | 0 | 0 | 24 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | |
| 64 | Praktyki pomiarowe (przerwa wakacyjna) | | 3 | | | | | | 3 | | 30 | 0 | 0 | 30 | 0 | | | | | | | | | | | | | | | | | | | | | | | 30 | | | | | | |
| 65 | Praktyki zawodowe (przerwa wakacyjna) | | 6 | | | | | | 6 | | 160 | 0 | 160 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | 160 | | | | | | |
| | Razem *(specjalność)* | | 62 | 0 | 0 | 19 | 6 | 9 | 23 | 5 | 590 | 168 | 296 | 70 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 56 | 0 | 16 | 24 | 16 | 0 | 8 | 32 | 32 | 0 | 8 | 48 | 192 | 46 | 16 | 8 | 0 | 24 | 8 |
| | OGÓŁEM *(cały program)* | | 211 | 33 | 27 | 32 | 31 | 26 | 37 | 25 | 1707 | 573 | 736 | 262 | 136 | 130 | 88 | 48 | 0 | 49 | 80 | 64 | 16 | 122 | 120 | 0 | 32 | 112 | 80 | 32 | 24 | 64 | 88 | 24 | 32 | 72 | 256 | 70 | 16 | 24 | 24 | 24 | 16 |

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*bryg. dr inż. Robert PIEC*