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| --- | --- | --- | --- | --- | --- |
| Industrial Pharmacy courses  0,1,3,5 | Patient care courses  0,1,2,5 | Personal development courses  1,4,5 | Professional courses  1,4,5 | Management courses  1,3,4,5 | Public health and research courses  0,6 |

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| Fundamental knowledge competencies (0) | Professional practices competencies  (1) | Safe and rational use of antibiotics  (2) | Medicines supply competencies  (3) | Personal  skills competencies  (4) | Organization and management competencies  (5) | Pharmaceutical public health competencies  (6) |
| * Fundamental courses knowledge * Patient care courses knowledge * Industrial courses knowledge | * Professional * Ethical practices * Legal practices * Patient focused * Continuing professional development | * Patient consultation * Patient counseling * Monitoring medicines use * Monitor safety | * Manufacture and compounding * Supply chain management * Dispensing | * Leadership * Decision-making * Team working * Communication * Information technology | * Self management * Workplace management * Human resource management * Budget, reimbursement & administration * Quality assurance * Product development | * Population Health * Health promotion * Medicines information & advice * Research & education |

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| Community practicum  0,1,2,3,4,5 | Clinical practicum  0,1,2,4,6 | Hospital practicum  0,1,2,3,4,5,6 | Laboratory practicum  0,4,5 | Industrial practicum  0,1,3,4,5 | Business practicum  0,1,3,4,5 | Research practicum  0,2,4,5,6 |

acticum

Fundamental Sciences courses