**Bachelor of Science in Medical Laboratory Science (regular and upgrading)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Module code** | **Course Title** | **Course code** | **ECTS** | **Cr.Hr** | **Required date** |
| English Language Skill | EnLaM1013 | Communicative English Skill | EnLa1011 | 5 | 3 | 16 |
| Psychology | PsycM1023 | Introduction to Psychology | Psyc1021 | 3 | 2 | 7 |
| Sociology | SociM1033 | Introduction to Sociology | Soci1031 | 3 | 2 | 7 |
| Civics And Ethics | CvEtM1043 | Civic & Ethical Education | CvEt1041 | 5 | 3 | 12 |
| Chemistry | ChemM1064 | Organic Chemistry | Chem1061 | 5 | 3 | 16 |
| Organic Chemistry lab | Chem1062 | 2 | 1 |
| Analytical Chemistry | Chem1063 | 5 | 3 | 16 |
| Analytical Chemistry lab | Chem1064 | 2 | 1 |
| **Total** |  | | | **30** | **18** | **74** |

**Year I, Semester I**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Module code** | **Course Title** | **Course code** | **EtCTS** | **Cr.Hr** | **Required date** |
| Computer Application | CompM1053 | Introduction to Computer Application | Comp1051 | 5 | 3 | 16 |
| English Language Skill | EnLaM1013 | Basic Writing Skill | EnLa1012 | 5 | 3 | 12 |
| Biomedical Sciences | BiomM1074 | Human Anatomy | Anat1071 | 5 | 3 | 12 |
| Human Physiology | Phys1072 | 5 | 3 | 12 |
| Biochemistry | Bioc1073 | 5 | 3 | 12 |
| Basic Pharmacology | Phar1074 | 5 | 3 | 12 |
| **Total** |  | | | **30** | **18** | **76** |

**Year I, Semester II**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Module code** | **Course Title** | **Course code** | **EtCTS** | **Cr.Hr** | **Required date** |
| Basic To Medical Laboratory Sciences | MeLSM2081 | Introduction to MLS | MeLS2081 | 5 | 3 | 13 |
| First aid & accident prevention | Nurs2082 | 2 | 1 | 5 |
| Professional ethics | MeLS2083 | 2 | 1 | 5 |
| Instrumentation | MeLS2084 | 3 | 2 | 7 |
| Community Health | ComHM2094 | Biostatics | ComH2091 | 5 | 3 | 12 |
| Epidemiology | ComH2092 | 5 | 3 | 12 |
| Environmental Health | EnvH2093 | 3 | 2 | 7 |
| Molecular Biology & Immunology | MeLSM2101 | Principles of Genetics | MeLS2101 | 3 | 2 | 7 |
| **Total** |  | | | **28** | **17** | **68** |

**Year II, Semester I**

**Year II, Semester II**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Module code** | **Course Title** | **Course code** | **EtCTS** | **Cr.Hr** | **Required date** |
| Molecular Biology and Immunology | MeLSM2101 | Basic Molecular Biology | MeLS2102 | 5 | 3 | 12 |
| Basic Immunology | MeLS2103 | 5 | 3 | 12 |
| Serology | MeLS2104 | 5 | 3 | 13 |
| Medical Parasitology | MeLSM2111 | Vector Biology | MeLS2111 | 3 | 2 | 7 |
| Medical Parasitology I | MeLS2112 | 7 | 4 | 16 |
| Medical Parasitology II | MeLS2113 | 7 | 4 | 16 |
| Clinical Practicum I | MeLSM2121 | Practicum I | MeLS2121 | 5 | 2 | 15 |
| **Total** |  | | | **37** | **21** | **91** |

**\* Additional 11 working days are required for this semester to complete the courses**

**Year III, Semester I**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Module code** | **Course Title** | **Course code** | **EtCTS** | **Cr.Hr** | **Required date** |
| Hematology And Histopathology | MeLSM3131 | Hematology I | MeLS3131 | 7 | 4 | 16 |
| Hematology II | MeLS3132 | 7 | 4 | 16 |
| Immunohematology | MeLS3133 | 5 | 3 | 13 |
| Histopathology | MeLS3134 | 5 | 3 | 13 |
| Clinical Practicum II | MeLSM3141 | Practicum II | MeLS3141 | 5 | 2 | 15 |
| Research Methodology | ComHM3154 | Research Methodology | ComH3151 | 3 | 2 | 7 |
| **Total** |  | | | **32** | **18** | **80** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Module code** | **Course Title** | **Course code** | **EtCTS** | **Cr.Hr** | **Required date** |
| Medical Microbiology | MeLSM3161 | Medical Bacteriology I | MeLS3161 | 5 | 3 | 13 |
| Medical Bacteriology II | MeLS3162 | 7 | 4 | 16 |
| Medical Mycology | MeLS3163 | 5 | 3 | 13 |
| Medical Virology | MeLS3164 | 5 | 3 | 12 |
| Public Health Microbiology | MeLS3165 | 3 | 2 | 7 |
| Clinical Practicum III | MeLSM3171 | Practicum III | MeLS3171 | 5 | 2 | 15 |
| **Total** |  | | | **30** | **17** | **76** |

**Year III, Semester II**

**Year IV, Semester I**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Module code** | **Course Title** | **Course code** | **EtCTS** | **Cr.Hr** | **Required date** |
| Clinical Chemistry | MeLSM4181 | Clinical Chemistry I | MeLS4181 | 7 | 4 | 16 |
| Clinical Chemistry II | MeLS4182 | 7 | 4 | 16 |
| Urine and Body Fluid Analysis | MeLS4183 | 7 | 4 | 16 |
| Toxicology | MeLS4184 | 3 | 2 | 7 |
| Clinical Practicum III | MeLSM4191 | Practicum IV | MeLS4191 | 7 | 2 | 16 |
| SRP & RLA |  | Student Research Proposal | MeLS4211 | 2 | 1 | 5 |
| **Total** |  |  |  | **33** | **17** | **76** |

**\*Grade for this course will be pending for semester II**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Module code** | **Course Title** | **Course code** | **EtCTS** | **Cr.Hr** | **Required date** |
| Health Service Management And Quality Assurance | MeLSM4201 | Health Service management | ComH4201 | 3 | 2 | 7 |
| Health laboratory management | MeLS4202 | 3 | 2 | 7 |
| Quality Assurance in MLS | MeLS4203 | 3 | 2 | 7 |
| SRP And RLA | MeLSM4211 | Student Research Project | MeLS4212 | 3 | 2 | 7 |
| Advanced and research lab attachment | MeLS4213 | 3 | 2 | 7 |
| CBE | ComHM4224 | CBTP | ComH4221 | 5 | 2 | 3 weeks |
| TTP | ComH4222 | 7 | 2 | 8 weeks |
| Comprehensive Exam | MeLSM4231 | Comprehensive Exam |  | P/F | P/F | 7 |
|  |  |  |  | 27 | 14 |  |

**Year IV, Semester II**