|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mã số môn học** | **Tên môn học** | **Khối lượng (tín chỉ)** | **Phòng thí nghiệm** | **Ghi chú** |
| **Lý thuyết** | **Thực hành** | **Tổng số** |
| ***Phần 1: Kiến thức cơ sở và ngành (45 tín chỉ)*** |  |  |  |  |  |
| ***Môn học bắt buộc(15 tín chỉ)*** | **15** | **0** | **15** |  |  |
| PH1 | Special Study 1 | 3 | 0 | 3 |  |  |
|  PH2 | Special Study 2 | 3 | 0 | 3 |  |  |
|  PH3 | Literature review | 3 | 0 | 3 |  |  |
| PH5 | Molecular Cell Biology | 3 | 0 | 3 |  |  |
| PH4 | Bioethics | 3 | 0 | 3 |  |  |
| ***Môn học bổ sung tự chọn (30 tín chỉ)*** |  |  | **30** |  |  |
| PC5 | Research Methodology | 3 | 0 | 3 |  |  |
| BC3 | Applied Microbiology | 2 | 1 | 3 |  |  |
| PC4 | Advanced Biochemistry | 2 | 1 | 3 |  |  |
| BC2 | Molecular Immunology | 2 | 1 | 3 |  |  |
| AC1 | Genetic Engineering | 2 | 1 | 3 |  |  |
|  BT301IU | Medical genetics | 3 | 1 | 4 |  |  |
|  BT213IU | Medical Microbiology | 3 | 1 | 4 |  |  |
| BT212IU | Stem Cell Biology | 3 | 1 | 4 |  |  |
| BT214IU | Crop Biotechnology | 3 | 1 | 4 |  |  |
| BT215IU | Algal Biotechnology | 3 | 1 | 4 |  |  |
| BT201IU | Techniques in Plant Biotechnology  | 3 | 1 | 4 |  |  |
| BT219IU | Drug Design and Simulation | 3 | 1 | 4 |  |  |
| BC310IU | Pharmaceutical Chemistry | 3 | 1 | 4 |  |  |
| BT185IU | Pharmaceutical Biotechnology | 3 | 1 | 4 |  |  |
| BT165IU | Process BioTechnology | 3 | 1 | 4 |  |  |
| BTFT401IU | Dairy Product Technology | 3 | 1 | 4 |  |  |
| BTFT302IU | Food analysis | 3 | 1 | 4 |  |  |
| BT177IU | Marine Biotechnology | 3 | 1 | 4 |  |  |
| BT208IU | Environmental Biotechnology | 3 | 1 | 4 |  |  |
| BTAR302IU | Aquaculture Genetics and Selective Breeding | 3 | 1 | 4 |  |  |
| BE3 | Applied Bioinformatics | 0 | 2 | 2 |  |  |
| BE6 | Scientific paper writing | 3 | 0 | 3 |  |  |
| ***Phần 2: Đề tài nghiên cứu, luận văn (75 tín chỉ)***\*\*\* | **0** | **75** | **75** |  |  |
| Proposal research defence  | 0 | 15 | 15 |  |  |
| Progress research defence  | 0 | 15 | 15 |  |  |
| Thesis writing and Defence  | 0 | 45 | 45 |  |  |
| **TỔNG** |  |  | **120** |  |  |