

Study Plan

Degree : Bachelor

Faculty : Inaya Medical Science College

Hrs : 136

Semester : 111

Dept : Biomedical Technology

Plan : Major

Edition : 1

Gender : Both

Major : BMT Biomedical Technology

Council Session :

Deanship Session :

Faculty Session :

Dept Session :

Council Date :

Deanship Date :

Faculty Date :

Dept Date :

Group Type : Compulsory 1

Group Type : Compulsory 1

| First Level | | | | | | | |
|--------------|---------------------------------|----|---|---|---|------------|-----------|
| Code | Course Name | HR | G | L | H | Requisites | Yrl |
| BIOS 101 | Biostatistics | 2 | | | | - | - |
| COMM 101 | Communication Skills | 1 | | | | - | - |
| ISLM 101 | Introduction To Islamic Culture | 2 | | | | - | - |
| COMP 101 | Computer For Health Sciences | 2 | | | | - | - |
| ARAB 101 | Arabic Language | 2 | | | | - | - |
| ENGL 101 | English Language(I) | 8 | | | | - | - |
| Total | | | | | | | 17 |

| Third Level | | | | | | | |
|--------------|----------------|----|---|---|---|----------------|-----------|
| Code | Course Name | HR | G | L | H | Requisites | Yrl |
| | Histology | | | | | ENGL 105 - / P | |
| BMS 232 | Physiology | 3 | | | | BIOL 101 - / P | - |
| BMS 234 | Medical Ethics | 2 | | | | ETH 101 - / P | - |
| Total | | | | | | | 17 |

| Second Level | | | | | | | |
|--------------|---------------------------|----|---|---|---|----------------|-----------|
| Code | Course Name | HR | G | L | H | Requisites | Yrl |
| BIOL 101 | Biology | 3 | | | | - | - |
| ETH 101 | Ethics In Health Care | 1 | | | | - | - |
| PHYS 101 | General Physics | 3 | | | | - | - |
| CHEM 101 | Introduction To Chemistry | 3 | | | | - | - |
| ENGL 102 | English Language (II) | 4 | | | | ENGL 101 - / P | - |
| ENGL 105 | Medical Terminology | 3 | | | | - | - |
| Total | | | | | | | 17 |

| Fourth Level | | | | | | | |
|--------------|---|----|---|---|---|--------------------------------|-----------|
| Code | Course Name | HR | G | L | H | Requisites | Yrl |
| BMT 242 | Biomedical Electronics | 4 | | | | BMT 231 - / P | - |
| BMT 243 | Biomedical Technology Design And Manufacturing(I) | 5 | | | | PHYS 101 - / P | - |
| BMT 244 | Human Physiology For Engineers(I) | 3 | | | | BMS 231 - / P BMS 232 - / P | - |
| BMT 245 | Polymeric Biomaterials Technology | 3 | | | | BMT 232 - / P | - |
| MATH 241 | Applied Mathematics | 2 | | | | MATH 231 - / P | - |
| Total | | | | | | | 17 |

| Third Level | | | | | | | |
|-------------|---|----|---|---|---|--|-----|
| Code | Course Name | HR | G | L | H | Requisites | Yrl |
| BMT 231 | Introduction To Biomedical Technology | 3 | | | | BIOL 101 - / P COMP 101 - / P ENGL 102 - / P | - |
| BMT 232 | Introduction To The Materials Science Of Biomaterials | 3 | | | | CHEM 101 - / P ENGL 102 - / P | - |
| MATH 231 | General Mathematics | 2 | | | | BIOS 101 - / P | - |
| BMS 231 | Anatomy, Embryology & | 4 | | | | BIOL 101 - / P | - |

| Fifth Level | | | | | | | |
|--------------|---|----|---|---|---|----------------|-----------|
| Code | Course Name | HR | G | L | H | Requisites | Yrl |
| BMT 351 | Biomedical Measurements | 2 | | | | BMT 242 - / P | - |
| BMT 352 | Analytical And Experimental Methods For Biomedical Engineerings | 3 | | | | BMT 242 - / P | - |
| BMT 353 | Biomedical Technology Design And Manufacturing(II) | 3 | | | | BMT 243 - / P | - |
| BMT 355 | Fundamentals Of Biomedical Instrumentation | 3 | | | | BMT 242 - / P | - |
| ISLM 103 | The Islamic Economic System | 2 | | | | ISLM 101 - / P | - |
| ARAB 103 | Writing In Arabic Language | 2 | | | | ARAB 101 - / P | - |
| Total | | | | | | | 15 |

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| Sixth Level | | | | | | | |
|--------------|--|----|---|---|---|---------------|-----------|
| Code | Course Name | HR | G | L | H | Requits | Yrl |
| BMT 361 | Analog And Digital Circuits Laboratory | 3 | | | | BMT 242 - / P | - |
| BMT 362 | Bioelectricity | 3 | | | | BMT 244 - / P | - |
| BMT 363 | Biomechanics | 3 | | | | BMT 244 - / P | - |
| BMT 364 | Biomedical Signal Processing | 3 | | | | BMT 351 - / P | - |
| BMT 365 | Biomedical Technology Senior Design | 2 | | | | BMT 353 - / P | - |
| BMT 366 | Human Physiology For Engineers(II) | 3 | | | | BMT 244 - / P | - |
| ISLM 102 | Islamic And Construction Of Society | 2 | | | | - | - |
| Total | | | | | | | 19 |

| Eighth Level | | | | | | | |
|--------------|---|----|---|---|---|---------------|-----------|
| Code | Course Name | HR | G | L | H | Requits | Yrl |
| 483 | Signal Processing | | | | | | |
| BMT 484 | Medical Device Design | 3 | | | | BMT 365 - / P | - |
| BMT 485 | Medical Imaging(II) | 2 | | | | BMT 476 - / P | - |
| ISLM 104 | Fundamental Of Islamic Political System | 2 | | | | - | - |
| Total | | | | | | | 16 |

| Seventh Level | | | | | | | |
|---------------|---|----|---|---|---|--------------------------------|-----------|
| Code | Course Name | HR | G | L | H | Requits | Yrl |
| BMT 471 | Linear Systems In Biomedical Technology | 3 | | | | BMT 361 - / P BMT 364 - / P | - |
| BMT 472 | Biomedical Microcontroller Applications | 4 | | | | BMT 361 - / P | - |
| BMT 473 | Tissue Technology | 2 | | | | BMT 232 - / P BMT 245 - / P | - |
| BMT 474 | Medical Instrumentation | 3 | | | | BMT 355 - / P BMT 361 - / P | - |
| BMT 475 | Research In Biomedical Technology | 3 | | | | BMT 365 - / P | - |
| BMT 476 | Medical Imaging(I) | 3 | | | | BMT 366 - / P | - |
| Total | | | | | | | 18 |

| Eighth Level | | | | | | | |
|--------------|---|----|---|---|---|--------------------------------|-----|
| Code | Course Name | HR | G | L | H | Requits | Yrl |
| BMT 481 | Special Topics In Biomedical Technology | 3 | | | | BMT 361 - / P | - |
| BMT 482 | Cardiovascular Biomechanics | 3 | | | | BMT 363 - / P BMT 366 - / P | - |
| BMT | Advanced Biomedical | 3 | | | | BMT 364 - / P | - |