

University of Baghdad
Al-Khwarizmi College of Engineering
Biomedical Engineering Department

MSc Courses 2024-2025

First semester

| No | Subject | Hrs. per Week | | Units |
|--------------|---|---------------|----------|-----------|
| | | T | P | |
| 1 | Machine Learning | 2 | 0 | 2 |
| 2 | Advances in Biomedical Image Processing Techniques | 2 | 0 | 2 |
| 3 | Advanced Engineering Mathematics | 2 | 0 | 2 |
| 4 | Microelectronics circuit Design (swap) | 2 | 0 | 2 |
| 5 | Advances in Dynamics and Control of Human Movements | 2 | 0 | 2 |
| 6 | English | 2 | 0 | 2 |
| Total | | 12 | 0 | 12 |

Second semester

| No | Subject | Hrs. Per Week | | Units |
|--------------|--|---------------|----------|-----------|
| | | T | P | |
| 1 | Advances in Biomechanics | 2 | 0 | 2 |
| 2 | Selected Topics in Biomedical Instrumentations | 2 | 0 | 2 |
| 3 | Neural Interfaces | 2 | 0 | 2 |
| 4 | Elective (I) | 2 | 0 | 2 |
| 5 | Elective (II) | 2 | 0 | 2 |
| 6 | Research Methodologies | 2 | 0 | 2 |
| Total | | 12 | 0 | 12 |

| | |
|---|---------------------|
| Thesis in Biomedical Engineering | Units 12 |
|---|---------------------|

Total Units= Course 1 (12) + Course 2 (12) + thesis (12)= 36