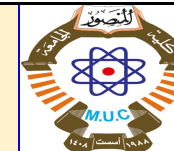





Republic of Iraq - Ministry of Higher Education and Scientific Research
 Al-Mansour University College
 Bachelor's degree in Medical Instrumentation Engineering Techniques (First cycle)
 Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr
 Program Curriculum (2023 - 2024)

جمهورية العراق - وزارة التعليم العالي والبحث العلمي
 كلية المنصور الجامعة
 بكالوريوس في هندسة تقنيات الاجهزة الطبية (الدورة الاولى)
 اربع سنوات (ثمانية فصول دراسية) - 240 وحدة اوروبية - كل وحدة اوروبية = 25 ساعة
 المنهاج الدراسي للعام 2023-2024



| Level | Semester | No. | Module Code | Module Name in English | اسم المادة الدراسية | Language | SSWL (hr/w) | | | | | | Exam hr/sem | SSWL hr/sem | USSW hr/sem | SWL hr/sem | ECTS | Module Type | Prerequisite Module(s) Code |
|-------|----------|-----|-------------|---|--------------------------------------|----------|-------------|-------------|------------|-----------|------------|-------------|-------------|-------------|-------------|------------|------|-------------|-----------------------------|
| | | | | | | | CL (hr/w) | Lect (hr/w) | Lab (hr/w) | Pr (hr/w) | Tut (hr/w) | Semn (hr/w) | | | | | | | |
| UGI | One | 1 | MIE11102 | Fundamentals of Electrical Engineering (DC) | مبادئ الهندسة الكهربائية (DC) | English | 2 | | 2 | | 1 | | 4 | 79 | 71 | 150 | 6.00 | C | |
| | | 2 | MIE11004 | Computer Applications (IC3) | تطبيقات الحاسوب (IC3) | English | 1 | | 2 | | | | 4 | 49 | 26 | 75 | 3.00 | B | |
| | | 3 | MIE11205 | Differential Mathematics | الرياضيات التفاضلية | English | 3 | | | | 2 | | 3 | 78 | 47 | 125 | 5.00 | S | |
| | | 4 | MIE11206 | Engineering Drawing | الرسم الهندسي | English | | | 4 | | | | 3 | 63 | 62 | 125 | 5.00 | S | |
| | | 5 | MUC11001 | Democracy and Human Rights | الديمقراطية و حقوق الانسان | Arabic | 2 | | | | | | 3 | 33 | 17 | 50 | 2.00 | B | |
| | | 6 | MUC11003 | English Language I | اللغة الانكليزية I | English | 1 | 1 | | | | | 3 | 33 | 17 | 50 | 2.00 | B | |
| | | 7 | MIE11207 | Medical Chemistry | الكيمياء الطبية | English | 3 | | 2 | | 1 | | 4 | 94 | 81 | 175 | 7.00 | S | |
| | | | | Total | | 12 | 1 | 10 | 0 | 4 | 0 | 24 | 429 | 321 | 750 | 30.00 | | | |
| UGI | Two | 1 | MIE12101 | Fundamentals of Electrical Engineering (AC) | مبادئ الهندسة الكهربائية (AC) | English | 2 | | 2 | | 1 | 4 | 79 | 71 | 150 | 6.00 | C | MIE11102 | |
| | | 2 | MIE12203 | Medical Physics | الفيزياء الطبية | English | 2 | | 2 | | | | 4 | 64 | 61 | 125 | 5.00 | S | |
| | | 3 | MIE12204 | Mechanics | الميكانيك | English | 2 | | | | 1 | | 3 | 48 | 52 | 100 | 4.00 | S | |
| | | 4 | MIE12205 | Integral Mathematics | الرياضيات التكاملية | English | 3 | | | | 2 | | 3 | 78 | 47 | 125 | 5.00 | S | MIE11205 |
| | | 5 | MIE12206 | Engineering Workshops | الورش الهندسية | English | | | 4 | | | | 3 | 63 | 62 | 125 | 5.00 | S | |
| | | 6 | MIE12207 | Computer Programming and Applications I | برمجة الحاسوب وتطبيقاته I | English | 1 | | 2 | | | | 4 | 49 | 26 | 75 | 3.00 | S | |
| | | 7 | MUC12002 | Arabic Language | اللغة العربية | Arabic | 2 | | | | | | 3 | 33 | 17 | 50 | 2.00 | B | |
| | | | | Total | | 12 | 0 | 10 | 0 | 3 | 1 | 24 | 414 | 336 | 750 | 30.00 | | | |
| UGI | Three | 1 | MIE21101 | Laboratory Medical Instrumentation I | الاجهزة الطبية المختبرية I | English | 2 | | 2 | 1 | 1 | 4 | 94 | 81 | 175 | 7.00 | C | | |
| | | 2 | MIE21102 | Electronics Circuits I | دوائر الكترونية I | English | 2 | | 2 | | 1 | 4 | 79 | 71 | 150 | 6.00 | C | MIE12101 | |
| | | 3 | MIE21103 | Electrical Machines | مكائن كهربائية | English | 2 | 1 | 2 | | | | 4 | 79 | 71 | 150 | 6.00 | C | MIE12101 |
| | | 4 | MIE21204 | Engineering Mathematics | الرياضيات الهندسية | English | 3 | | | | 2 | | 3 | 78 | 47 | 125 | 5.00 | S | MIE12205 |
| | | 5 | MIE21205 | Anatomy & Physiology | علم التشريح وعلم وظائف الاعضاء | English | 2 | | 2 | | | | 4 | 64 | 36 | 100 | 4.00 | S | |
| | | 6 | MUC 21004 | The crimes of the Ba'ath Regiem in Iraq | جرائم نظام البعث في العراق | Arabic | 2 | | | | | | 3 | 33 | 17 | 50 | 2.00 | B | |
| | | | | Total | | 13 | 1 | 8 | 1 | 3 | 1 | 22 | 427 | 323 | 750 | 30.00 | | | |
| UGII | Four | 1 | MIE22101 | Laboratory Medical Instrumentation II | الاجهزة الطبية المختبرية II | English | 2 | | 2 | 1 | 1 | 4 | 94 | 81 | 175 | 7.00 | C | MIE21101 | |
| | | 2 | MIE22102 | Electronics Circuits II | دوائر الكترونية II | English | 2 | | 2 | | 1 | 4 | 79 | 71 | 150 | 6.00 | C | MIE21102 | |
| | | 3 | MIE22103 | Digital Electronics | الإلكترونيات الرقمية | English | 2 | 1 | 2 | | | | 4 | 79 | 46 | 125 | 5.00 | C | MIE21102 |
| | | 4 | MIE22104 | Clinical Chemistry Instrumentation | اجهزة الكيمياء السريرية | English | 2 | | 2 | | | | 4 | 64 | 61 | 125 | 5.00 | C | |
| | | 5 | MIE22105 | Biomedical Transducers and Sensors | المحولات و المستشعرات الطبية الحيوية | English | 2 | | 2 | | | | 4 | 64 | 61 | 125 | 5.00 | C | MIE12101 |
| | | 6 | MUC22003 | English Language II | اللغة الانكليزية II | English | 1 | 1 | | | | | 3 | 33 | 17 | 50 | 2.00 | B | MUC11003 |
| | | | | Total | | 11 | 2 | 10 | 1 | 1 | 1 | 23 | 413 | 337 | 750 | 30.00 | | | |

Note: The student should complete 4 weeks of Summer Internships to fulfill the requirements of the Bachelor's degree

| Structured SWL (hr/w) type | CL | Class Lecture | Module type | B | Basic learning activities | SWL: | Student Workload |
|---|------|--------------------|-------------|---|--------------------------------------|--------|---|
| | Lab | Laboratory | | C | Core learning activity | SSWL: | Structured SWL |
| | Pr | Practical Training | | S | Support or related learning activity | USSWL: | Unstructured SWL |
| | Tut | Tutorial | | E | Elective learning activity | | |
| | Lect | Online lecture | | | | | |
| | Sem | Seminar | | | | | |
| Note: Columns O, Q and R are programmed, protected and should not be edited | | | | | | | |
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