

|             |          |     | Republic of Iraq - Ministry of Higher Education and Scientific Research<br>Al-Ayen Iraqi University<br>Bachelor's Degree in Artificial Intelligence Engineering (First Cycle)<br>ooo<br>Program Curriculum (2023 - 2024) |                               |                           |          | جمهورية العراق - وزارة التعليم العالي والبحث العلمي<br>جامعة العين العراقية<br>بكالوريوس في هندسة الذكاء الاصطناعي (الدورة الأولى)<br>أربع سنوات (ثمانية فصول دراسية) - كل وحدة اوروبية = ٢٥ ساعة<br>المنهاج الدراسي للعام 2023-2024 |             |            |           |            |                |                |                 |               |      |                |                                |
|-------------|----------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-----------|------------|----------------|----------------|-----------------|---------------|------|----------------|--------------------------------|
| Level       | Semester | No. | Module Code                                                                                                                                                                                                              | Module Name in English        | اسم المادة الدراسية       | Language | SSWL (hr/w)                                                                                                                                                                                                                          |             |            |           |            | Exam<br>hr/sem | SSWL<br>hr/sem | USSWL<br>hr/sem | SWL<br>hr/sem | ECTS | Module<br>Type | Prerequisite<br>Module(s) Code |
|             |          |     |                                                                                                                                                                                                                          |                               |                           |          | CL (hr/w)                                                                                                                                                                                                                            | Lect (hr/w) | Lab (hr/w) | Pr (hr/w) | Tut (hr/w) | Semn (hr/w)    |                |                 |               |      |                |                                |
| FIRST YEAR  | One      | 1   | AUI111                                                                                                                                                                                                                   | English Language              | اللغة الانكليزية          | English  | 2                                                                                                                                                                                                                                    |             |            |           |            |                | 3              | 33              | 17            | 50   | 2.00           |                                |
|             |          | 2   | AUI112                                                                                                                                                                                                                   | Democracy and Human Rights    | الديمقراطية وحقوق الانسان | Arabic   | 2                                                                                                                                                                                                                                    |             |            |           |            |                | 3              | 33              | 17            | 50   | 2.00           |                                |
|             |          | 3   | COE113                                                                                                                                                                                                                   | Mathematics 1                 | الرياضيات 1               | English  | 3                                                                                                                                                                                                                                    | 1           |            |           |            | 1              | 3              | 78              | 47            | 125  | 5.00           |                                |
|             |          | 4   | AIE114                                                                                                                                                                                                                   | Electrical Circuits           | دوائر كهربائية            | English  | 2                                                                                                                                                                                                                                    | 1           | 2          |           |            | 1              | 3              | 93              | 57            | 150  | 6.00           |                                |
|             |          | 5   | COE115                                                                                                                                                                                                                   | Engineering Drawing           | رسم هندسي                 | English  | 1                                                                                                                                                                                                                                    |             | 2          |           |            | 1              | 3              | 63              | 37            | 100  | 4.00           |                                |
|             |          | 6   | AIE116                                                                                                                                                                                                                   | programming 1                 | برمجة 1                   | English  | 2                                                                                                                                                                                                                                    | 1           | 2          |           |            | 1              | 3              | 93              | 57            | 150  | 6.00           |                                |
|             |          | 7   | AIE117                                                                                                                                                                                                                   | Computer Introduction         | مقدمة الحاسوب             | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            |                | 3              | 63              | 62            | 125  | 5.00           |                                |
|             |          |     |                                                                                                                                                                                                                          |                               |                           | Total    | 14                                                                                                                                                                                                                                   | 3           | 8          | 0         | 4          | 0              | 21             | 456             | 294           | 750  | 30             |                                |
|             | Semester | No. | Module Code                                                                                                                                                                                                              | Module Name in English        | اسم المادة الدراسية       | Language | SSWL (hr/w)                                                                                                                                                                                                                          |             |            |           |            | Exam<br>hr/sem | SSWL<br>hr/sem | USSWL<br>hr/sem | SWL<br>hr/sem | ECTS | Module<br>Type | Prerequisite<br>Module(s) Code |
|             | Two      | 1   | COE121                                                                                                                                                                                                                   | Workshop Technology           | ورش هندسية                | English  | 2                                                                                                                                                                                                                                    |             |            |           |            |                | 3              | 33              | 17            | 50   | 2.00           |                                |
|             |          | 2   | COE122                                                                                                                                                                                                                   | Physics                       | الفيزياء                  | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            | 1              | 3              | 78              | 22            | 100  | 4.00           |                                |
|             |          | 3   | COE123                                                                                                                                                                                                                   | Mathematics 2                 | الرياضيات 2               | English  | 3                                                                                                                                                                                                                                    |             |            |           |            | 1              | 3              | 63              | 62            | 125  | 5.00           | الرياضيات 1                    |
|             |          | 4   | AIE124                                                                                                                                                                                                                   | Electronic Circuits           | دوائر الكترونية           | English  | 2                                                                                                                                                                                                                                    | 1           | 2          |           |            | 1              | 3              | 93              | 32            | 125  | 5.00           | دوائر كهربائية                 |
|             |          | 5   | AIE125                                                                                                                                                                                                                   | Digital Technologies          | تقنيات رقمية              | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            |                | 3              | 63              | 37            | 100  | 4.00           |                                |
|             |          | 6   | AIE126                                                                                                                                                                                                                   | programming 2                 | برمجة 2                   | English  | 2                                                                                                                                                                                                                                    | 1           | 2          |           |            | 1              | 3              | 93              | 32            | 125  | 5.00           | برمجة 1                        |
|             |          | 7   | AUI127                                                                                                                                                                                                                   | Arabic language               | اللغة العربية             | Arabic   | 2                                                                                                                                                                                                                                    |             |            |           |            |                | 3              | 33              | 17            | 50   | 2.00           |                                |
|             |          | 8   | AIE128                                                                                                                                                                                                                   | Introduction to AI            | مقدمة الذكاء الاصطناعي    | English  | 2                                                                                                                                                                                                                                    |             |            |           | 1          | 1              | 3              | 48              | 27            | 75   | 3.00           |                                |
|             |          |     |                                                                                                                                                                                                                          |                               |                           | Total    | 17                                                                                                                                                                                                                                   | 2           | 8          | 0         | 5          | 1              | 24             | 504             | 246           | 750  | 30.00          |                                |
| Level       | Semester | No. | Module Code                                                                                                                                                                                                              | Module Name in English        | اسم المادة الدراسية       | Language | SSWL (hr/w)                                                                                                                                                                                                                          |             |            |           |            | Exam<br>hr/sem | SSWL<br>hr/sem | USSWL<br>hr/sem | SWL<br>hr/sem | ECTS | Module<br>Type | Prerequisite<br>Module(s) Code |
| SECOND YEAR | Three    | 1   | AIE211                                                                                                                                                                                                                   | Data Structures 1             | هيكلية بيانات 1           | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            | 1              | 3              | 78              | 47            | 125  | 5.00           | B                              |
|             |          | 2   | COE212                                                                                                                                                                                                                   | Linear Algebra                | جبر خطي                   | English  | 2                                                                                                                                                                                                                                    |             |            |           |            | 1              | 3              | 63              | 62            | 125  | 5.00           | S                              |
|             |          | 3   | AIE213                                                                                                                                                                                                                   | Computer Networks             | شبكات الحاسوب             | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            |                | 3              | 63              | 37            | 100  | 4.00           | B                              |
|             |          | 4   | AIE214                                                                                                                                                                                                                   | Mechanics 1                   | ميكانيك 1                 | English  | 3                                                                                                                                                                                                                                    |             | 2          |           |            | 1              | 3              | 93              | 32            | 125  | 5.00           | B                              |
|             |          | 5   | AIE215                                                                                                                                                                                                                   | Databases                     | قواعد بيانات              | English  | 3                                                                                                                                                                                                                                    |             | 2          |           |            | 1              | 3              | 93              | 32            | 125  | 5.00           | C                              |
|             |          | 6   | AIE216                                                                                                                                                                                                                   | Electrical Power and Machines | قوى والالات               | English  | 3                                                                                                                                                                                                                                    |             |            |           |            | 1              | 3              | 63              | 37            | 100  | 4.00           | C                              |
|             |          | 7   | AUI217                                                                                                                                                                                                                   | Arabic Language               | اللغة العربية             | Arabic   | 2                                                                                                                                                                                                                                    |             | 0          |           |            |                | 3              | 33              | 17            | 50   | 2.00           | B                              |
|             |          |     |                                                                                                                                                                                                                          |                               |                           | Total    | 17                                                                                                                                                                                                                                   | 0           | 8          | 0         | 0          | 5              | 21             | 486             | 264           | 750  | 30.00          |                                |
|             | Semester | No. | Module Code                                                                                                                                                                                                              | Module Name in English        | اسم المادة الدراسية       | Language | SSWL (hr/w)                                                                                                                                                                                                                          |             |            |           |            | Exam<br>hr/sem | SSWL<br>hr/sem | USSWL<br>hr/sem | SWL<br>hr/sem | ECTS | Module<br>Type | Prerequisite<br>Module(s) Code |
|             | Four     | 1   | AIE221                                                                                                                                                                                                                   | Data Structures 2             | هيكلية بيانات 2           | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            | 1              | 3              | 78              | 72            | 150  | 6.00           | B                              |
|             |          | 2   | AUI222                                                                                                                                                                                                                   | Crimes of the Ba'ath Party    | جرائم حزب البعث           | Arabic   | 2                                                                                                                                                                                                                                    |             |            |           |            |                | 3              | 33              | 17            | 50   | 2.00           | B                              |
|             |          | 3   | AIE223                                                                                                                                                                                                                   | Mechanics 2                   | ميكانيك 2                 | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            | 1              | 3              | 78              | 47            | 125  | 5.00           | C                              |
|             |          | 4   | AIE324                                                                                                                                                                                                                   | Networks and Sensors          | مستشعرات وشبكات حساسة     | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            |                | 3              | 78              | 47            | 125  | 5.00           | C                              |
|             |          | 5   | AIE225                                                                                                                                                                                                                   | Instruments and Measurements  | اجهزة وقياسات             | English  | 2                                                                                                                                                                                                                                    |             | 2          |           |            | 1              | 3              | 78              | 47            | 125  | 5.00           | C                              |
|             |          | 6   | COE226                                                                                                                                                                                                                   | Statistics                    | احصاء                     | English  | 3                                                                                                                                                                                                                                    |             |            |           |            | 1              | 3              | 78              | 47            | 125  | 5.00           | B                              |
|             |          | 7   | AUI227                                                                                                                                                                                                                   | English Language              | اللغة الانكليزية          | English  | 2                                                                                                                                                                                                                                    |             |            |           |            |                | 3              | 33              | 17            | 50   | 2.00           | B                              |
|             |          |     |                                                                                                                                                                                                                          |                               |                           | Total    | 15                                                                                                                                                                                                                                   | 0           | 8          | 0         | 4          | 2              | 21             | 456             | 294           | 750  | 30.00          |                                |

