Undergraduate Curriculum of Computer Department

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| --- | --- | --- | --- | --- | --- |
| **Years** | **code** | **Subjects** | **Hours/week** | | |
| **Theo** | **Lab.** | |
| **First** | **GS 101** | **Human Rights** | **2** | | **-** |
| **First** | **GE 102** | **Mathematics** | **4** | | **-** |
| **First** | **COE 103** | **Electronics I** | **3** | | **2** |
| **First** | **COE 104** | **Electrical Circuits** | **3** | | **2** |
| **First** | **COE 105** | **Fundamentals of Digital Systems** | **3** | | **2** |
| **First** | **COE 106** | **Computer Programming**  **Methodology** | **3** | | **2** |
| **First** | **COE107** | **Fundamentals of Computer**  **System** | **3** | | **2** |
| **First** | **GS 108** | **English Language** | **2** | | **-** |
|  |  |  |  | |  |
|  | | | | | |
| **Second** | **GS 201** | **Arabic** | **2** | | **-** |
| **Second** | **COE 202** | **Engineering Mathematics** | **4** | | **-** |
| **Second** | **COE 203** | **Electronic II** | **3** | | **2** |
| **Second** | **COE 204** | **Microprocessor & Microcomputer I** | **3** | | **2** |
| **Second** | **COE 205** | **Digital System Design** | **3** | | **2** |
| **Second** | **COE 206** | **Data Structures & Algorithms** | **2** | | **2** |
| **Second** | **COE 207** | **Communications** | **3** | | **2** |
| **Second** | **GS 208** | **English Language** | **2** | | **-** |
|  | | | | | |
| **Third** | **COE 301** | **Computer Architecture I** | **3** | | **-** |
| **Third** | **COE 302** | **Digital Control Systems** | **3** | | **2** |
| **Third** | **COE 303** | **Microprocessor & Microcomputer II** | **3** | | **2** |
| **Third** | **COE 304** | **Operating Systems** | **3** | | **-** |
| **Third** | **COE 305** | **Computer Networks** | **3** | | **2** |
| **Third** | **COE 306** | **Digital Signal Processing** | **2** | | **-** |
| **Third** | **COE 307** | **Database Systems** | **2** | | **2** |
| **Third** | **GS 308** | **English Language** | **2** | | **-** |
|  | | | | | |
| **Fourth** | **COE 401** | **Internet Technology** | **3** | | **2** |
| **Fourth** | **COE 402** | **Computer Architecture II** | **3** | | **-** |
| **Fourth** | **COE 403** | **Embedded Systems** | **3** | | **2** |
| **Fourth** | **COE 404** | **Computer Security** | **3** | | **-** |
| **Fourth** | **COE 405** | **Robotics & Artificial Intelligence** | **3** | | **-** |
| **Fourth** | **COE 406** | **Computer Vision & Pattern**  **Recognition** | **3** | | **-** |
| **Fourth** | **COE 407** | **Engineering Project** | **2** | | **2** |
| **Fourth** | **GS 408** | **English Language** | **2** | | **-** |