

The Hashemite University
Faculty of Engineering
Study Plan for the Degree of Bachelor of Science in
Computer Engineering (CPE) 2023

First Year

First Semester

| Course # | Course Title | C.H |
|--------------|--------------------------------|-----------|
| 110108101 | Calculus (1) | 3 |
| 110102103 | General Physics Lab | 1 |
| 110103107 | Basics of General Chemistry | 3 |
| 110102101 | General Physics (1) | 3 |
| 2116011101 | Communication skills in Arabic | 3 |
| 2116021101 | Communication skills English | 3 |
| | | |
| Total | | 16 |

Second Semester

| Course # | Course Title | C.H |
|--------------|---------------------------------|-----------|
| 110101102 | Calculus (2) | 3 |
| 110103108 | Basics of General Chemistry Lab | 1 |
| 110400201 | Manual Engineering Drawing | 2 |
| 110400101 | Engineering Workshop | 1 |
| 110400102 | Computer Programming | 3 |
| 110102102 | General Physics (2) | 3 |
| 2214041117 | Military Science | 3 |
| | | |
| Total | | 16 |

Second Year

First Semester

| Course # | Course Title | C.H |
|--------------|------------------------------------|-----------|
| 110101152 | Discrete Math | 3 |
| 110408220 | Digital Logic | 3 |
| 110101203 | Ordinary Diff. Equations (1) | 3 |
| 110406229 | Electrical Circuits Fundamentals | 3 |
| 1704001303 | Numerical Analysis | 3 |
| 110400202 | Computer Aided Engineering Drawing | 1 |
| 2104081314 | Computer Applications Lab | 1 |
| | | |
| Total | | 17 |

Second Semester

| Course # | Course Title | C.H |
|--------------|------------------------------------|-----------|
| 110408213 | Data Structure | 3 |
| 110408221 | Digital Logic Lab | 1 |
| 110101201 | Calculus (3) | 3 |
| 110409260 | Fundamentals of Elect. Circuit Lab | 1 |
| 110409240 | Electronics (1) | 3 |
| 110403242 | Probability and Statistics | 3 |
| 2214041118 | National Culture | 3 |
| | | |
| Total | | 17 |

Third Year

First Semester

| Course # | Course Title | C.H |
|--------------|---|-----------|
| - | University Elective | 3 |
| 2104091322 | Signals and Systems | 3 |
| 110408327 | Digital Electronics and Integrated Circuits | 3 |
| 2304081326 | Embedded Systems | 3 |
| 110405331 | Automatic Control | 3 |
| 110408300 | Algorithms | 3 |
| | | |
| Total | | 18 |

Second Semester

| Course # | Course Title | C.H |
|--------------|--------------------------------------|-----------|
| 2308081333 | Microprocessors Lab | 1 |
| 2104031302 | Engineering Economics | 2 |
| | Embedded Systems Lab | 1 |
| 2304081326 | | |
| 2104081311 | Object Oriented Programming | 3 |
| 2304081330 | Computer Organization | 3 |
| 110408303 | Fundamentals of Communications | 3 |
| | | |
| 2104091352 | Electronic circuits Lab | 1 |
| 2114041123 | Leadership and Social Responsibility | 2 |
| | | |
| Total | | 16 |

Fourth Year

First Semester

| Course # | Course Title | C.H |
|--------------|--------------------------|-----------|
| - | University Elective | 3 |
| 2304081443 | Computer Architecture | 3 |
| 111002240 | Introduction to Database | 3 |
| 110408455 | Operating Systems | 3 |
| 110408450 | Computer Networks | 3 |
| 110418442 | Computer Maintenance Lab | 1 |
| Total | | 16 |

Second Semester

| Course # | Course Title | C.H |
|--------------|---------------------------------|-----------|
| 110408457 | Wireless Networks | 3 |
| 110408454 | Computer Networking Lab | 1 |
| 110408456 | Computer Security | 3 |
| 2114041124 | Entrepreneurship and Innovation | 2 |
| 110400203 | Ethics and Communication Skills | 3 |
| 2304081415 | Software Engineering | 3 |
| Total | | 15 |

Summer Semester

| Course # | Course Title | C.H |
|--------------|--------------------|----------|
| 2004081480 | Practical Training | 3 |
| Total | | 3 |

Fifth Year

First Semester

| Course # | Course Title | C.H |
|--------------|--|-----------|
| 110408591 | Graduation Project (1) | 1 |
| 2104081374 | Artificial Intelligence and Machine Learning | 3 |
| - | Elective(CPE) | 3 |
| - | Elective(CPE) | 3 |
| - | Elective(CPE) | 3 |
| Total | | 13 |

Second Semester

| Course # | Course Title | C.H |
|--------------|--------------------------|-----------|
| 110408592 | Graduation Project (2) | 2 |
| 2104081410 | Systems and Data Science | 3 |
| 2114041125 | Life Skills | 2 |
| - | Elective(CPE) | 3 |
| - | Elective(CPE) | 3 |
| Total | | 13 |