# Bachelor of Information Technology (Hons) in Software Engineering

| No | Subject Classification | Subject Code | Credit Value | Prerequisite |
|---|---|---|---|---|
| 1. | Compulsory Modules | | -- | |
| 2. | Core/Major/Concentration | | 75 | |
| | **Common Core** | | **30** | |
| | Information Systems Management | BTIS1003 | 3 | |
| | System Analysis and Design | BTIS2003 | 3 | |
| | Database Systems | BTIS2013 | 3 | |
| | System Security and Control | BTIS2023 | 3 | |
| | Discrete Mathematics | BTMH1013 | 3 | |
| | Quantitative Methods | BTMH1023 | 3 | BTMH2003 |
| | Java Programming I | BTPR1003 | 3 | |
| | Internet Applications | BTPR1013 | 3 | |
| | Java Programming II | BTPR1103 | 3 | BTPR1003 |
| | Data Structure and Algorithm | BTPR2003 | 3 | BTPR1003 |
| | **Specialization + Industrial Training** | | **45** | |
| | Industrial Training | BTID3006 | 6 | |
| | Project Management | BTIS2033 | 3 | |
| | Computer Organization and Architecture | BTIS2043 | 3 | |
| | Introduction to Networks and Communication Systems | BTIS2053 | 3 | |
| | Operating System | BTIS3013 | 3 | |
| | Practical Project I | BTIS3023 | 3 | BTIS2003 BTIS2013 BTPR1003 |
| | Practical Project II | BTIS3123 | 3 | BTIS3023 |
| | Human Computer Interaction | BTPR2013 | 3 | |
| | Object-Oriented Programming | BTPR2023 | 3 | BTPR1103 |
| | Web Database Systems | BTPR3003 | 3 | BTPR1013 |
| | Software Engineering | BTSE2003 | 3 | |
| | Software Quality | BTSE2013 | 3 | BTSE2003 |
| | Software Testing | BTSE2023 | 3 | BTSE2003 |
| | Software Modeling and Analysis | BTSE3003 | 3 | |
| 3. | Optional/Elective Courses/Modules | | 15 | |
| | English for Specific Purpose: Business English | BEBE2003 | 3 | |
| | Advanced Networks and Communications | BTIS3153 | 3 | BTIS2053 |
| | Entrepreneurship | BBMK3113 | 3 | BBMN1013 |
| | Principle of Management | BBMN1013 | 3 | |
| | Introduction to Advertising | BMIA1043 | 3 | |
| | Organisation Communication | BMOC2083 | 3 | |
| | Principles of Public Relations | BMPR1053 | 3 | |
| | Rapid Development Tools | BTIS2063 | 3 | |

|  | IT and People | BTIS3033 | 3 | |
|---|---|---|---|---|
| | Artificial Intelligence | BTIS3043 | 3 | |
| | Introduction to Calculus | BTMH1003 | 3 | |
| | Introduction to Probability and Statistics | BTMH2003 | 3 | BTMH1003 |
| | Multimedia Design | BTPR2033 | 3 | |
| 4. | Minor Courses/Modules | | -- | |
| 5. | Industrial Training | | -- | |
| 6. | Practicum | | -- | |
| 7. | MQA Compulsory | | -- | |
| 8. | College Compuslory | | 10 | |
| | #Fundamental English | UMPU3013 | NCS | |
| | Advanced English | UMPU3023 | 3 | |
| | @Chinese | UMPU3043 | 3 | |
| | Learning Skills | UMPU3053 | 3 | |
| | Physical Education | UMPU3061 | 1 | |
| 9. | Common Electives | | -- | |
| 10. | English Requirement | | -- | |
| 11. | MPU U1 | | 6 | |
| | **International Student** | | 6 | |
| | Bahasa Melayu Komunikasi 2 | BMPU3143 | 3 | |
| | Pengajian Malaysia 3 | BMPU3173 | 3 | |
| | **Local Student** | | 6 | |
| | Hubungan Etnik | BMPU3113 | 3 | |
| | Tamadun Islam & Tamadun Asia | BMPU3123 | 3 | |
| 12. | MPU U2 | | 6 | |
| | *Bahasa Kebangsaan A | BMPU3213 | 3* | |
| | **Artistics** | | 3 | |
| | Aesthetics Studies | AMPU3223 | 3 | |
| | Chinese Calligraphy | AMPU3243 | 3 | |
| | Film,Culture and Literature | AMPU3253 | 3 | |
| | Kepimpinan | AMPU3263 | 3 | |
| | **Classical Books Reading** | | 3 | |
| | Great Books Reading | GMPU3213 | 3 | |
| 13. | MPU U3 | | 9 | |
| | **Humanities and Sciences** | | 3 | |
| | Critical Thinking Skills | HMPU3313 | 3 | |
| | Environmental Change and Sustainable Development | HMPU3323 | 3 | |
| | Science,Technology and Society | HMPU3343 | 3 | |
| | Japanese Level 1 | HMPU3353 | 3 | |
| | Korean Level 1 | HMPU3363 | 3 | |
| | Japanese Level 2 | HMPU3373 | 3 | |
| | Korean Level 2 | HMPU3383 | 3 | |
| | **Multi-society and Culture** | | 3 | |
| | Cross Cultural Translation & Interpretation:Between Chinese,English & Malay | MMPU3313 | 3 | |
| | Introduction to Southeast Asia | MMPU3323 | 3 | |

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| Malaysia's Multi-ethnic and cultural Society | MMPU3333 | 3 |
| **Cultivation** | | **3** |
| Happiness | CMPU3313 | 3 |
| Introduction to Buddhism | CMPU3323 | 3 |
| Introduction to Islam | CMPU3333 | 3 |
| Introduction to World Religion | CMPU3343 | 3 |
| 14. MPU U4 | | 2 |
| Life 30 | LMPU3412 | 2 |
| 15. Final Year Project | | -- |

**Remark**

1. # Students who fail English placement test are compulsory to take Fundamental English as a college compulsory course. The grade of the subject is not included in the calculation of CGPA.

2. @ Chinese (UMPU3043) is opened to students who have background in Chinese education. Students who have no background in Chinese education are compulsory to take Basic Chinese (UMPU3033).

3. * Students who did not score BM with credits in SPM need to take Bahasa Kebangsaan A in U2.

| No | Subject Classification | Credit |
|---|---|---|
| 1 | Compulsory Modules | -- |
| 2 | Core/Major/Concentration | 75 |
| 3 | Optional/Elective Courses/Modules | 15 |
| 4 | Minor Courses/Modules | -- |
| 5 | Industrial Training | -- |
| 6 | Practicum | -- |
| 7 | MQA Compulsory | -- |
| 8 | College Compuslory | 10 |
| 9 | Common Electives | -- |
| 10 | English Requirement | -- |
| 11 | MPU U1 | 6 |
| 12 | MPU U2 | 6 |
| 13 | MPU U3 | 9 |
| 14 | MPU U4 | 2 |
| 15 | Final Year Project | -- |

Minimum graduation credits : 123

# *Please contact Academic Affairs & Registration Office if you have any question.