

SKEMA PENGAJIAN/ STUDY SCHEME
BACELOR KEJURUTERAAN PERISIAN DENGAN KEPUJIAN/
BACHELOR OF SOFTWARE ENGINEERING WITH HONOURS (MUET Band 2.0 - 2.5)

| TAHUN 1/ 1ST YEAR | | | | | |
|--------------------------------------------|--------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|------------------------------------------------------------------------------------------|-----------|
| SEMESTER 1/ 1ST SEMESTER | | | SEMESTER 2/ 2ND SEMESTER | | |
| KODI/CODE | KURSUS/ COURSE | Kr | KODI/CODE | KURSUS/ COURSE | Kr |
| CSC3100 | Penyelesaian Masalah dan Konsep Pengaturcaraan/ <i>Problem Solving and Programming Concepts</i> | 2+1 | CSC3101 | Pengaturcaraan Berorientasikan Objek/ <i>Object-Oriented Programming</i> | 2+1 |
| CSC3003 | Struktur Diskret/ <i>Discrete Structures</i> | 3+0 | CSC3200 | Organisasi dan Seni Bina Komputer/ <i>Computer Organization and Architecture</i> | 3+0 |
| SKP2101* | Kenegaraan Malaysia/ <i>Malaysian Nationhood</i> | 3+0 | SSE3201 | Statistik bagi Sains Komputer/ <i>Statistics for Computer Science</i> | 3+0 |
| FEM2401** | Politik Malaysia dan Masyarakat/ <i>Malaysian Politics and Society</i> | 2+0 | | | |
| SKP3112* | Falsafah dan Isu Semasa/ <i>Philosophy and Current Issues</i> | 2+0 | SSE3301 | Kejuruteraan Keperluan Perisian/ <i>Software Requirements Engineering</i> | 3+0 |
| SKP3113** | Falsafah dan Isu Semasa Masyarakat Sivill/ <i>Philosophy and Current Issues in Civil Society</i> | 3+0 | | | |
| SKP3122* | Penghayatan Etika dan Peradaban/ <i>Internalization of Ethics and Civilization</i> | 2+0 | Elektif Bebas/ Free Electives | | 3* |
| LPM2100** | Bahasa Melayu Komunikasi/ <i>Malay Language Communication</i> | 2+0 | | | |
| PRT2009 | Pertanian dan Kehidupan/ <i>Agriculture and Life</i> | 1+1 | CEL 2102 | Effective Listening and Speaking | |
| | LAX (12 mata/ points) | | | LAX (6 mata/ points) | |
| | Ko-kurikulum/ Co-curriculum | 1 | | Ko-kurikulum/ Co-curriculum | 1 |
| | JUMLAH/ TOTAL | 16 | | JUMLAH/ TOTAL | 16 |
| TAHUN 2/ 2ND YEAR | | | | | |
| KODI/CODE | KURSUS/ COURSE | Kr | KODI/CODE | KURSUS/ COURSE | Kr |
| CSC3202 | Struktur Data dan Algoritma/ <i>Data Structures and Algorithms</i> | 3+0 | CSC3300 | Sistem Pengoperasian/ <i>Operating Systems</i> | 2+1 |
| CSC3400 | Prinsip Pangkalan Data/ <i>Database Principles</i> | 2+1 | SSE3305 | Pengujian Perisian/ <i>Software Testing</i> | 3+0 |
| SSE3302 | Seni Bina dan Reka Bentuk Perisian/ <i>Software Architecture and Design</i> | 3+0 | SSE3307 | Antara Muka Pengguna dan Pengalaman Pengguna / <i>User Interface and User Experience</i> | 3+0 |
| CNS3200 | Komunikasi dan Rangkaian Komputer/ <i>Computer Network and Communication</i> | 3+0 | SSE3308 | Pembangunan Aplikasi Web/ <i>Web Application Development</i> | 2+1 |
| LPE2401 | Pembacaan bagi Tujuan akademik/ <i>Reading for Academic Purposes</i> | 3+0 | SSE3401 | Pembangunan Aplikasi Bergerak/ <i>Mobile Application Development</i> | 2+1 |
| | Elektif Bebas/ Free Electives | 3* | LPE2301 | Interaksi dan Pembentangan Akademik / <i>Academic Interaction and Presentation</i> | 3+0 |
| | JUMLAH/ TOTAL | 18 | | JUMLAH/ TOTAL | 18 |
| TAHUN 3/ 3RD YEAR | | | | | |
| KODI/CODE | KURSUS/ COURSE | Kr | KODI/CODE | KURSUS/ COURSE | Kr |
| SSE3200 | Keusahawanan dalam Pengkomputeran/ <i>Entrepreneurship in Computing</i> | 2+1 | SSE4356 | Pembangunan Perisian Selamat/ <i>Secure Software Development</i> | 3+0 |
| SSE4201 | Metodologi Pembangunan Perisian/ <i>Software Development Methodology</i> | 3+0 | SSE3400 | Projek Kejuruteraan Perisian Berpasukan/ <i>Software Engineering Team Project</i> | 1+2 |
| SSE3310 | Pengurusan Projek Perisian/ <i>Software Project Management</i> | 3+0 | SSE4949A | Projek Bachelors/ <i>Bachelor Project</i> | 0+2 |
| SSE4351 | Penyelenggaraan dan Evolusi Perisian/ <i>Software Maintenance and Evolution</i> | 3+0 | | Elektif Bidang/ Field Electives | 3* |
| LPE2501 | Penulisan Akademik / <i>Academic Writing</i> | 3+0 | | Elektif Bebas/ Free Electives | 6* |
| | Elektif Bidang/ Field Electives | 3* | | CEL2105/CEL2106/CEL2107 | |
| | LAX (12 points) | | | | |
| | JUMLAH/ TOTAL | 18 | | JUMLAH/ TOTAL | 17 |
| TAHUN 4/ 4TH YEAR | | | | | |
| KODI/CODE | KURSUS/ COURSE | Kr | KODI/CODE | KURSUS/ COURSE | Kr |
| SSE4949B | Projek Bachelors/ <i>Bachelor Project</i> | 0+4 | SSE4901 | Latihan Industri/ <i>Industrial Training</i> | 0+12 |
| SSE4202 | Etika dalam Pengkomputeran/ <i>Ethics in Computing</i> | 3+0 | | | |
| | Elektif Bidang/ Field Electives | 6* | | | |
| | CEL2105/CEL2106/CEL2107 | | | | |
| | LAX (6 mata/ points) | | | | |
| | JUMLAH/ TOTAL | 13 | | JUMLAH/ TOTAL | 12 |

Nota:

* pelajar tempatan/local student, **pelajar antarabangsa/international student

*Pelajar perlu mengambil 12 jam kredit kursus Elektif Bidang bagi keperluan bergraduasi/

Students are required to take 12 credit hours of Field Elective courses for graduate requirements

*Pelajar perlu mengambil 12 jam kredit kursus Elektif Bebas bagi keperluan bergraduasi/

Students are required to take 12 credit hours of Free Elective courses for graduate requirements

LPE2401 tidak dikira dalam kredit bergraduasi/ *LPE2401 is not counted in graduation credits*



SKEMA PENGAJIAN/ STUDY SCHEME
BACELOR KEJURUTERAAN PERISIAN DENGAN KEPUJIAN/
BACHELOR OF SOFTWARE ENGINEERING WITH HONOURS (MUET Band 3.0 - 4.5)

| TAHUN 1/ 1 ST YEAR | | | | | |
|--------------------------------------|-------------------------------------------------------------------------------------------------|-----------|--------------------------------------|------------------------------------------------------------------------------------------|-----------|
| SEMESTER 1/ 1 ST SEMESTER | | | SEMESTER 2/ 2 ND SEMESTER | | |
| KOD/CODE | KURSUS/ COURSE | Kr | KOD/CODE | KURSUS/ COURSE | Kr |
| CSC3100 | Penyelesaian Masalah dan Konsep Pengaturcaraan/ <i>Problem Solving and Programming Concepts</i> | 2+1 | CSC3101 | Pengaturcaraan Berorientasikan Objek/ <i>Object-Oriented Programming</i> | 2+1 |
| CSC3003 | Struktur Diskret/ <i>Discrete Structures</i> | 3+0 | CSC3200 | Organisasi dan Seni Bina Komputer/ <i>Computer Organization and Architecture</i> | 3+0 |
| SKP2101* | Kenegaraan Malaysia/ <i>Malaysian Nationhood</i> | 3+0 | SSE3201 | Statistik bagi Sains Komputer/ <i>Statistics for Computer Science</i> | 3+0 |
| FEM2401** | Politik Malaysia Dan Masyarakat/ <i>Malaysian Politics and Society</i> | 2+0 | SSE3301 | Kejuruteraan Keperluan Perisian/ <i>Software Requirements Engineering</i> | 3+0 |
| SKP3112* | Falsafah dan Isu Semasa/ <i>Philosophy and Current Issues</i> | 2+0 | LPE2301 | Interaksi dan Pembentangan Akademik / <i>Academic Interaction and Presentation</i> | 3+0 |
| SKP3113** | Falsafah dan Isu Semasa Masyarakat Sipil/ <i>Philosophy and Current Issues in Civil Society</i> | 3+0 | | | |
| SKP3122* | Penghayatan Etika dan Peradaban/ <i>Internalization of Ethics and Civilization</i> | 2+0 | | | |
| LPM2100** | Bahasa Melayu Komunikasi/ <i>Malay Language Communication</i> | 2+0 | | | |
| PRT2009 | Pertanian dan Kehidupan/ <i>Agriculture and Life</i> | 1+1 | | Ko-kurikulum/ <i>Co-curriculum</i> | 1 |
| | Ko-kurikulum/ <i>Co-curriculum</i> | 1 | | | |
| | LAX (6 mata/ <i>points</i>) | | | | |
| | JUMLAH/ TOTAL | 16 | | JUMLAH/ TOTAL | 16 |
| TAHUN 2/ 2 ND YEAR | | | | | |
| KOD/CODE | KURSUS/ COURSE | Kr | KOD/CODE | KURSUS/ COURSE | Kr |
| CSC3202 | Struktur Data dan Algoritma/ <i>Data Structures and Algorithms</i> | 3+0 | CSC3300 | Sistem Pengoperasian/ <i>Operating Systems</i> | 2+1 |
| CSC3400 | Prinsip Pangkalan Data/ <i>Database Principles</i> | 2+1 | SSE3305 | Pengujian Perisian/ <i>Software Testing</i> | 3+0 |
| SSE3302 | Seni Bina dan Reka Bentuk Perisian/ <i>Software Architecture and Design</i> | 3+0 | SSE3307 | Antara Muka Pengguna dan Pengalaman Pengguna / <i>User Interface and User Experience</i> | 3+0 |
| CNS3200 | Komunikasi dan Rangkaian Komputer/ <i>Computer Network and Communication</i> | 3+0 | SSE3308 | Pembangunan Aplikasi Web/ <i>Web Application Development</i> | 2+1 |
| LPE2501 | Penulisan Akademik / <i>Academic Writing</i> | 3+0 | SSE3401 | Pembangunan Aplikasi Bergerak/ <i>Mobile Application Development</i> | 2+1 |
| | | | | Elektif Bidang/ <i>Field Electives</i> | 3* |
| | | | | LAX (6 mata/ <i>points</i>) | |
| | JUMLAH/ TOTAL | 15 | | JUMLAH/ TOTAL | 18 |
| TAHUN 3/ 3 RD YEAR | | | | | |
| KOD/CODE | KURSUS/ COURSE | Kr | KOD/CODE | KURSUS/ COURSE | Kr |
| SSE3200 | Keusahawanan dalam Pengkomputeran/ <i>Entrepreneurship in Computing</i> | 2+1 | SSE4356 | Pembangunan Perisian Selamat/ <i>Secure Software Development</i> | 3+0 |
| SSE4201 | Metodologi Pembangunan Perisian/ <i>Software Development Methodology</i> | 3+0 | SSE3400 | Projek Kejuruteraan Perisian Berpasukan/ <i>Software Engineering Team Project</i> | 1+2 |
| SSE3310 | Pengurusan Projek Perisian/ <i>Software Project Management</i> | 3+0 | SSE4949A | Projek Bachelors/ <i>Bachelor Project</i> | 0+2 |
| SSE4351 | Penyelenggaraan dan Evolusi Perisian/ <i>Software Maintenance and Evolution</i> | 3+0 | | Elektif Bidang/ <i>Field Electives</i> | 3* |
| | Elektif Bidang/ <i>Field Electives</i> | 3* | | Elektif Bebas/ <i>Free Electives</i> | 6* |
| | Elektif Bebas/ <i>Free Electives</i> | 3* | | CEL2105/CEL2106/ CEL2107 | |
| | CEL2105/CEL2106/ CEL2107 | | | | |
| | JUMLAH/ TOTAL | 18 | | JUMLAH/ TOTAL | 17 |
| TAHUN 4/ 4 TH YEAR | | | | | |
| KOD/CODE | KURSUS/ COURSE | Kr | KOD/CODE | KURSUS/ COURSE | Kr |
| SSE4949B | Projek Bachelors/ <i>Bachelor Project</i> | 0+4 | SSE4901 | Latihan Industri/ <i>Industrial Training</i> | 0+12 |
| SSE4202 | Etika dalam Pengkomputeran/ <i>Ethics in Computing</i> | 3+0 | | | |
| | Elektif Bidang/ <i>Field Electives</i> | 3* | | | |
| | Elektif Bebas/ <i>Free Electives</i> | 3* | | | |
| | LAX (12 mata/ <i>points</i>) | | | | |
| | JUMLAH/ TOTAL | 13 | | JUMLAH/ TOTAL | 12 |

Nota:

* pelajar tempatan/*local student*, **pelajar antarabangsa/*international student*

*Pelajar perlu mengambil 12 jam kredit kursus Elektif Bidang bagi keperluan bergraduatu/

Students are required to take 12 credit hours of Field Elective courses for graduate requirements

*Pelajar perlu mengambil 12 jam kredit kursus Elektif Bebas bagi keperluan bergraduatu/

Students are required to take 12 credit hours of Free Elective courses for graduate requirements



SKEMA PENGAJIAN/ STUDY SCHEME
BACHELOR KEJURUTERAAN PERISIAN DENGAN KEPUJIAN/
BACHELOR OF SOFTWARE ENGINEERING WITH HONOURS (MUET Band 5.0 – 5+)

| TAHUN 1/ 1 ST YEAR | | | | | |
|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------|--------------------------------------|------------------------------------------------------------------------------------------|----------------|
| SEMESTER 1/ 1 ST SEMESTER | | | SEMESTER 2/ 2 ND SEMESTER | | |
| KOD/CODE | KURSUS/ COURSE | Kr | KOD/CODE | KURSUS/ COURSE | Kr |
| CSC3100 | Penyelesaian Masalah dan Konsep Pengaturcaraan/ <i>Problem Solving and Programming Concepts</i> | 2+1 | CSC3101 | Pengaturcaraan Berorientasikan Objek/ <i>Object-Oriented Programming</i> | 2+1 |
| CSC3003 | Struktur Diskret/ <i>Discrete Structures</i> | 3+0 | CSC3200 | Organisasi dan Seni Bina Komputer/ <i>Computer Organization and Architecture</i> | 3+0 |
| SKP2101 | Kenegaraan Malaysia/ <i>Malaysian Nationhood</i> | 3+0 | SSE3201 | Statistik bagi Sains Komputer/ <i>Statistics for Computer Science</i> | 3+0 |
| FEM2401** | Politik Malaysia dan Masyarakat/ <i>Malaysian Politics and Society</i> | 2+0 | | | |
| SKP3112* | Falsafah dan Isu Semasa/ <i>Philosophy and Current Issues</i> | 2+0 | SSE3301 | Kejuruteraan Keperluan Perisian/ <i>Software Requirements Engineering</i> | 3+0 |
| SKP3113** | Falsafah dan Isu Semasa Masyarakat Sivil/ <i>Philosophy and Current Issues in Civil Society</i> | 3+0 | | | |
| SKP3122* | Penghayatan Etika dan Peradaban/ <i>Internalization of Ethics and Civilization</i> | 2+0 | | Elektif Bebas/ Free Elective | 3 [#] |
| LPM2100** | Bahasa Melayu Komunikasi/ <i>Malay Language Communication</i> | 2+0 | | | |
| PRT2009 | Pertanian dan Kehidupan/ <i>Agriculture and Life</i> | 1+1 | | CEL2103/2104 | |
| | LAX (6 mata/ points) | | | Ko-kurikulum/ Co-curriculum | 1 |
| | Ko-kurikulum/ Co-curriculum | 1 | | | |
| | JUMLAH/ TOTAL | 16 | | JUMLAH/ TOTAL | 16 |
| TAHUN 2/ 2 ND YEAR | | | | | |
| KOD/CODE | KURSUS/ COURSE | Kr | KOD/CODE | KURSUS/ COURSE | Kr |
| CSC3202 | Struktur Data dan Algoritma/ <i>Data Structures and Algorithms</i> | 3+0 | CSC3300 | Sistem Pengoperasian/ <i>Operating Systems</i> | 2+1 |
| CSC3400 | Prinsip Pangkalan Data/ <i>Database Principles</i> | 2+1 | SSE3305 | Pengujian Perisian/ <i>Software Testing</i> | 3+0 |
| SSE3302 | Seni Bina dan Reka Bentuk Perisian/ <i>Software Architecture and Design</i> | 3+0 | SSE3307 | Antara Muka Pengguna dan Pengalaman Pengguna / <i>User Interface and User Experience</i> | 3+0 |
| CNS3200 | Komunikasi dan Rangkaian Komputer/ <i>Computer Network and Communication</i> | 3+0 | SSE3308 | Pembangunan Aplikasi Web/ <i>Web Application Development</i> | 2+1 |
| LPE2402/LPE2502/Global Language | | 3+0 | SSE3401 | Pembangunan Aplikasi Bergerak/ <i>Mobile Application Development</i> | 2+1 |
| | Elektif Bebas/ Free Elective | 3 [#] | | Elektif Bidang/ Field Electives | 3 ⁺ |
| | LAX (6 mata/ points) | | | | |
| | JUMLAH/ TOTAL | 18 | | JUMLAH/ TOTAL | 18 |
| TAHUN 3/ 3 RD YEAR | | | | | |
| KOD/CODE | KURSUS/ COURSE | Kr | KOD/CODE | KURSUS/ COURSE | Kr |
| SSE3200 | Keusahawanan dalam Pengkomputeran/ <i>Entrepreneurship in Computing</i> | 2+1 | SSE4356 | Pembangunan Perisian Selamat/ <i>Secure Software Development</i> | 3+0 |
| SSE4201 | Metodologi Pembangunan Perisian/ <i>Software Development Methodology</i> | 3+0 | SSE3400 | Projek Kejuruteraan Perisian Berpasukan/ <i>Software Engineering Team Project</i> | 1+2 |
| SSE3310 | Pengurusan Projek Perisian/ <i>Software Project Management</i> | 3+0 | SSE4949A | Projek Bachelors/ <i>Bachelor Project</i> | 0+2 |
| SSE4351 | Penyelenggaraan dan Evolusi Perisian/ <i>Software Maintenance and Evolution</i> | 3+0 | | Elektif Bidang/ Field Electives | 6 ⁺ |
| LPE2402/LPE2502/Global Language | | 3+0 | | Elektif Bebas/ Free Electives | 3 [#] |
| | JUMLAH/ TOTAL | 15 | | JUMLAH/ TOTAL | 17 |
| TAHUN 4/ 4 TH YEAR | | | | | |
| KOD/CODE | KURSUS/ COURSE | Kr | KOD/CODE | KURSUS/ COURSE | Kr |
| SSE4949B | Projek Bachelors/ <i>Bachelor Project</i> | 0+4 | SSE4901 | Latihan Industri/ <i>Industrial Training</i> | 0+12 |
| SSE4202 | Etika dalam Pengkomputeran/ <i>Ethics in Computing</i> | 3+0 | | | |
| | Elektif Bidang/ Field Electives | 3 ⁺ | | | |
| | Elektif Bebas/ Free Electives | 3 [#] | | | |
| | LAX (6 mata/ points) | | | | |
| | JUMLAH/ TOTAL | 13 | | JUMLAH/ TOTAL | 12 |

Nota:

* pelajar tempatan/local student, **pelajar antarabangsa/international student

*Pelajar perlu mengambil 12 jam kredit kursus Elektif Bidang bagi keperluan bergraduasi/

Students are required to take 12 credit hours of Field Elective courses for graduate requirements

#Pelajar perlu mengambil 12 jam kredit kursus Elektif Bebas bagi keperluan bergraduasi/

Students are required to take 12 credit hours of Free Elective courses for graduate requirements

