

**KOMPONEN KURSUS IJAZAH SARJANA MUDA SAINS KOMPUTER (KOMPUTERAN)  
(BPSS)**

**Kursus Teras Universiti (19 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
<b>Kursus Mata Pelajaran Pengajian Umum (MPU) (13 jam kredit)</b>			
1	MPU31072 / MPU31042	Penghayatan Etika dan Peradaban Bahasa Melayu Asas 1 (Pelajar Antarabangsa)	2
2	MPU33012/ MPU33022	Ilmu Wahyu dan Sains (Islam) / Moral dan Etika II (Bukan Islam)	2
3	MPU33032 / MPU33042	Ilmu Wahyu dan Kemasyarakatan (Islam)/ Perbandingan Agama II (Bukan Islam)	2
4	MPU31062	Falsafah dan Isu Semasa	2
5	MPU32092	Asas Pembudayaan Keusahawanan	2
6	KK* ****	Kokurikulum	3
<b>JUMLAH</b>			<b>13</b>

Bil	Kod	Kursus	Jam Kredit
<b>Kursus Wajib Universiti (6 jam kredit)</b>			
1	PBI10102	English for Communication I	2
2	PBI10202	English for Communication II*	2
3	PBI10***	Bahasa Asing	2
<b>JUMLAH</b>			<b>6</b>

**Kursus Teras (42 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSF12003	Problem Solving and Computer Programming	3
2	CSF12103	Computer Organization and Architecture	3
3	CSF12203	Human Machine Interaction	3
4	CSF12303	Software Engineering Methods	3
5	CSF30103	Social and Professional Ethics	3
6	CSF10103	Mathematics for Computer Science	3
7	CSF20303	Operating Systems	3
8	CSF12403	Object Oriented Programming	3
9	CSF20403	Network and Security Fundamentals	3
10	CSF10203	Fundamentals of Computer Systems	3
11	CSF20203	Algorithms Design and Analysis	3
12	CSF21503	Database	3
13	CSF20103	Discrete Structure and Application	3
14	CSF35503	Artificial Intelligence	3
<b>JUMLAH</b>			<b>42</b>

**Kursus Pengkhususan (30 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSD23503	Web Application Development	3
2	CSW30303	Internet Programming Framework	3
3	CSW23303	Mobile Computing	3
4	CSW33903	Web Services	3
5	CSW20103	Distributed Computing System	3
6	CSW34003	Cloud Computing	3
7	CSW34103	Business Intelligence	3
8	CSW20403	Internet of Things	3
9	CSW30203	Special Topics in Internet Computing	3
10	CSD23403	System Analysis and Design	3
<b>JUMLAH</b>			<b>30</b>

**Elektif Bebas (12 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
		Choose any four non-specialization courses of three	12
<b>JUMLAH</b>			<b>12</b>

**Projek Tahun Akhir (8 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSF35304	Final Year Project I*	4
2	CSF35404	Final Year Project II*	4
<b>JUMLAH</b>			<b>8</b>

\*Prasyarat :

- CSF35104 has taken all the core and specialization courses until Year 2
- CSF35204 is passed CSF35104

**Latihan Industri (12 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSF45512	Industrial Training*	12
<b>JUMLAH</b>			<b>12</b>

**STRUKTUR PENGAJIAN IJAZAH SARJANA MUDA SAINS KOMPUTER  
(BPSS)**

**Semester 1 (18 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	MPU31072 / MPU31042	Penghayatan Etika dan Peradaban Bahasa Melayu Asas 1 (Pelajar Antarabangsa)	2
2	MPU33012/ MPU33022	Ilmu Wahyu dan Sains (Islam) / Moral dan Etika II (Bukan Islam)	2
3	PBI10102	English for Communication I	2
4	CSF12003	Problem Solving and Computer Programming	3
5	CSF12103	Computer Organization and Architecture	3
6	CSF12203	Human Machine Interaction	3
7	CSF12303	Software Engineering Methods	3
<b>JUMLAH</b>			<b>18</b>

**Semester 2 (19 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	MPU33032 / MPU33042	Ilmu Wahyu dan Kemasyarakatan (Islam)/ Perbandingan Agama II (Bukan Islam)	2
2	MPU31062	Falsafah dan Isu Semasa	2
3	MPU32092	Asas Pembudayaan Keusahawanan	2
4	PBI10202	English for Communication II*	2
5	PBI10***	Bahasa Asing	2
6	KK* ****	Kokurikulum	3
7	CSF10203	Fundamentals of Computer Systems	3
8	CSF12403	Object Oriented Programming	3
<b>JUMLAH</b>			<b>19</b>

**Semester 3 (18 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSF20403	Network and Security Fundamentals	3
2	CSF20303	Operating Systems	3
3	CSF20103	Discrete Structure and Application	3
4	CSD23403	System Analysis and Design	3
5	CSF21503	Database	3
6	CSF10103	Mathematics for Computer Science	3
7			
<b>JUMLAH</b>			<b>18</b>

**Semester 4 (18 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSF20203	Algorithms Design and Analysis	3
2	CSD23503	Web Application Development	3
3	CSW20403	Internet of Things	3
4	CSW20103	Distributed Computing System	3
5	CSW23303	Mobile Computing	3
6		Free Module I	3
<b>JUMLAH</b>			<b>18</b>

**Semester 5 (19 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSF30103	Social and Professional Ethics	3
2	CSF35304	Final Year Project I*	4
3	CSW33903	Web Services	3
4	CSW34003	Cloud Computing	3
5	CSW30303	Internet Programming Framework	3
6		Free Module II	3
<b>JUMLAH</b>			<b>19</b>

**Semester 6 (19 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSF35503	Artificial Intelligence	3
2	CSF35404	Final Year Project II*	4
3	CSW34103	Business Intelligence	3
4	CSW30203	Special Topics in Internet Computing	3
5		Free Module III	3
6		Free Module IV	3
<b>JUMLAH</b>			<b>19</b>

**Semester 7 (12 jam kredit)**

Bil	Kod	Kursus	Jam Kredit
1	CSF45512	Industrial Training*	12
<b>JUMLAH</b>			<b>12</b>

\*Pre requisite :

- CSF40112 is passed all courses

Note:

Overall Credit Hours : **123**