

**KOMPONEN KURSUS IJAZAH SARJANA MUDA SAINS KOMPUTER
(PEMBANGUNAN PERISIAN) (SMSKPP-DC11)
SESI 2023/2024**

Kursus Universiti (13 jam kredit)

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

Kursus Wajib Universiti (6 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	PBI10102	English for Communication I	2
2	PBI10202	English for Communication II*	2
3	PBI10***	Bahasa Asing	2
JUMLAH			6

Kursus Teras (42 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 10103	Mathematics for Computer Science	3
2	CSF 10203	Fundamentals of Computer Systems	3
3	CSF 12003	Problem Solving and Computer Programming	3
4	CSF 12103	Computer Organization and Architecture	3
5	CSF 12203	Human Machine Interaction	3
6	CSF 12303	Software Engineering Methods	3
7	CSF 12403	Object Oriented Programming	3
8	CSF 20103	Discrete Structure and Application	3
9	CSF 20203	Algorithms Design and Analysis	3
10	CSF 20303	Operating Systems	3
11	CSF 20403	Network and Security Fundamentals	3
12	CSF 21503	Database	3
13	CSF 30103	Social and Professional Ethics	3
14	CSF 35503	Artificial Intelligence	3
JUMLAH			42

Kursus Pengkhususan (33 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSD 20103	Mobile Application Framework	3
2	CSD 23403	System Analysis and Design	3
3	CSD 23503	Web Application Development	3
4	CSD 23603	Software Project Management	3
5	CSD 23703	Data Analytics	3
6	CSD 34003	Software Testing and Analysis	3
7	CSD 34103	Software Development Workshop	3
8	CSD 34203	Special Topics in Software Development	3
9	CSD 34303	Data Mining	3
10	CSD 34403	Advanced Database	3
11	ITF 30103	Information Security	3
JUMLAH			33

Projek Tahun Akhir (8 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 35304	Final Year Project I*	4
2	CSF 35404	Final Year Project II*	4
JUMLAH			8

*Prasyarat :

- CSF35304 has taken all the core and specialization courses until Year 2
- CSF35404 is passed CSF35304

Latihan Industri (12 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 45512	Industrial Training*	12
JUMLAH			12

**STRUKTUR PENGAJIAN IJAZAH SARJANA MUDA SAINS KOMPUTER
(PEMBANGUNAN PERISIAN) (SMSKPP-DC11)
SESI 2023/2024**

Semester 1 (18 jam kredit)			
Bil	Kod	Kursus	Jam Kredit
1	MPU31072 /	Penghayatan Etika dan Peradaban	2
	MPU31042	Bahasa Melayu Asas 1 (Pelajar Antarabangsa)	
2	MPU33012/	Ilmu Wahyu dan Sains (Islam) /	2
	MPU33022	Moral dan Etika II (Bukan Islam)	
3	PBI10102	English for Communication I	2
4	CSF 12003	Problem Solving and Computer Programming	3
5	CSF 12103	Computer Organization and Architecture	3
6	CSF 12203	Human Machine Interaction	3
7	CSF 12303	Software Engineering Methods	3
JUMLAH			18

Semester 2 (20 jam kredit)			
Bil	Kod	Kursus	Jam Kredit
1	MPU33032 /	Ilmu Wahyu dan Kemasyarakatan (Islam)/	2
	MPU33042	Perbandingan Agama II (Bukan Islam)	
2	MPU31062	Falsafah dan Isu Semasa	2
3	MPU32092	Asas Pembudayaan Keusahawanan	2
4	PBI10202	English for Communication II*	2
5	CSF 10103	Mathematics for Computer Science	3
6	CSF 10203	Fundamentals of Computer Systems	3
7	CSF 12403	Object Oriented Programming	3
8	KK* ****	Kokurikulum	3
JUMLAH			20

Semester 3 (18 jam kredit)			
Bil	Kod	Kursus	Jam Kredit
1	CSF 20403	Network and Security Fundamentals	3
2	CSF 20303	Operating Systems	3
3	CSF 20103	Discrete Structure and Application	3
4	CSD 23403	System Analysis and Design	3
5	CSF 21503	Database	3
6	CSD 23703	Data Analytics	3
JUMLAH			18

Semester 4 (20 jam kredit)			
Bil	Kod	Kursus	Jam Kredit
1	CSF 20203	Algorithms Design and Analysis	3
2	ITF 30103	Information Security	3
3	CSD 23603	Software Project Management	3
4	CSD 20103	Mobile Application Framework	3
5	CSD 23503	Web Application Development	3
6	PBI10***	Bahasa Asing	2
7		Free Module I	3
JUMLAH			20

Semester 5 (19 jam kredit)			
Bil	Kod	Kursus	Jam Kredit
1	CSF 30103	Social and Professional Ethics	3
2	CSF 35304	Final Year Project I*	4
3	CSD 34003	Software Testing and Analysis	3
4	CSD 34103	Software Development Workshop	3
5		Free Module II	3
6		Free Module III	3
JUMLAH			19

Semester 6 (19 jam kredit)			
Bil	Kod	Kursus	Jam Kredit
1	CSF 35503	Artificial Intelligence	3
2	CSF 35404	Final Year Project II*	4
3	CSD 34303	Data Mining	3
4	CSD 34203	Special Topics in Software Development	3
5	CSD 34403	Advanced Database	3
6		Free Module IV	3
JUMLAH			19

Elektif Bebas (12 jam kredit)

Bil	Kod	Kursus	Jam Kredit
		Choose any four non-specialization courses of three credit hours of courses offered by other academic programs either from FIK as well as from other faculties in UniSZA.	12
		JUMLAH	12

Semester 7 (12 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 45512	Industrial Training*	12
		JUMLAH	12

JUMLAH KESELURUHAN JAM KREDIT : 126