

KOMPONEN KURSUS IJAZAH SARJANA MUDA SAINS KOMPUTER
(KESELAMATAN RANGKAIAN KOMPUTER) (SMSKKRK)
SESI 2018/2019

Kursus Universiti (19 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	MPU31022	Tamadun Islam dan Tamaduan Asia (TITAS)	2
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	MPU31012	Hubungan Etnik	2
5	PBI10***	Bahasa Asing	2
6	PBI10102	English for Communication I	2
7	PBI10202	English for Communication II*	2
8	MPU32092	Asas Pembudayaan Keusahwanan	2
9	K** ****	Kokurikulum	3
Jumlah			19

*Prasyarat :

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PBI10202 is course PBI10102

Kursus Teras (42 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 11103	Problem Solving and Computer Programming	3
2	CSF 11203	Computer Organization and Architecture	3
3	CSF 11303	Human Machine Interaction	3
4	CSF 11403	Software Engineering Methods	3
5	CSF 11503	Social and Professional Ethics	3
6	CSF 11603	Discrete Mathematics	3
7	CSF 11703	Operating Systems	3
8	CSF 11803	Object Oriented Programming*	3
9	CSF 11903	Network and Security Fundamentals	3
10	CSF 21103	Probability and Statistical Data Analysis	3
11	CSF 21203	System Analysis and Design	3
12	CSF 21303	Database	3
13	CSF 21403	Data Structures and Algorithms	3
14	CSF 31103	Artificial Intelligence	3
Jumlah			42

*Prasyarat :

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CSF11803 is course CSF11103

Kursus Pengkhususan (24 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSA 23103	Security Management	3

2	CSA 23203	Network Technology Security and Communications	3
3	CSA 23303	Data Communication Workshop	3
4	CSA 33103	Network Analysis and Design	3
5	CSA 33203	Penetration Testing	3
6	CSA 33303	Cryptography*	3
7	CSA 33403	Parallel and Distributed Computing	3
8	CSA 33503	Computer Forensics	3
	Jumlah		24

*Prasyarat :

rat :

CSA 33303 adalah subjek CSF 11603

Kursus Elektif Program (6 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSA 23403	Data Compression	3
2	CSA 33603	Network Simulation and performance Modelling	3
3	CSA 33703	Digital Logic	3
4	CSA 33803	Network Management	3
5	CSA 33903	Intrusion Detection and Prevention System	3
6	CSA 43103	Network Operating System*	3
7	CSA 43203	Network Programming	3
8	CSA 43303	Wireless Communication and Mobile Network	3
	Jumlah		6

*Prasyarat :

rat :

CSA 43103 adalah subjek CSF 11703

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

Projek Tahun Akhir (8 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF35104	Final Year Project I*	4
2	CSF35204	Final Year Project II*	4
	Jumlah		8

*Prasyarat :

rat :

- 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
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1	CSF 47112	Industrial Training*	12
	Jumlah		12

*Prasyarat :

rat :

- CSF47112 is passed all courses

STRUKTUR PENGAJIAN IJAZAH SARJANA MUDA SAINS KOMPUTER
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Semester Pertama (17 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 11103	Problem Solving and Computer Programming	3
2	CSF 11203	Computer Organization and Architecture	3
3	CSF 11303	Human Machine Interaction	3
4	CSF 11403	Software Engineering Methods	3
5	CSF 11503	Social and Professional Ethics	3
6	PBI 10102	English for Communication I	2
Jumlah			17

Semester Kedua (20 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 11603	Discrete Mathematics	3
2	CSF 11703	Operating Systems	3
3	CSF 11803	Object Oriented Programming*	3
4	CSF 11903	Network and Security Fundamentals	3
5	PBI 10202	English For Communication II*	2
6	MPU31022	TITAS (Tamadun Islam & Tamadun Asia)	2
7	MPU33012/	Ilmu Wahyu dan Sains /	2
	MPU33022	Moral & Etika II (Bukan Islam)	
8	PBI 10***	Bahasa Asing	2
Jumlah			20

Semester Ketiga (20 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 21103	Probability and Statistical Data Analysis	3
2	CSF 21203	System Analysis and Design	3
3	CSF 21303	Database	3
4	CSA 23103	Security Management	3
5		Free Module Elective I	3
6	MPU31012	Hubungan Etnik	2
7	*****	Kokurikulum	3
Jumlah			20

Semester Keempat (19 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 21403	Data Structures and Algorithms	3
2	CSA 23203	Network Technology Security and Communications	3
3		Programme Elective I	3

4	CSA 23303	Data Communication Workshop	3
5	MPU32092	Asas Pembudayaan Keusahawanan	2
6	MPU33032 /	Ilmu Wahyu dan Kemasyarakatan (Islam) /	2
	MPU33042	Perbandingan Agama II (Bukan Islam)	
7		Free Module Elective II	3
	Jumlah		19

Semester Kelima (19 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSA 33103	Network Analysis and Design	3
2	CSA 33203	Penetration Testing	3
3	CSA 33303	Cryptography*	3
4	CSF 31103	Artificial Intelligence	3
5		Free Module Elective III	3
6	CSF35104	Final Year Project I*	4
	Jumlah		19

Semester Keenam (16 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSA 33403	Parallel and Distributed Computing	3
2	CSA 33503	Computer Forensics	3
3		Programme Elective II	3
4	CSF35204	Final Year Project II*	4
5		Free Module Elective IV	3
	Jumlah		16

Semester Ketujuh (12 jam kredit)

Bil	Kod	Kursus	Jam Kredit
1	CSF 47112	Industrial Training*	12
	Jumlah		12

Nota:

Jumlah keseluruhan jam kredit – 123