

**1) STRUKTUR PENAWARAN KURIKULUM BAHARU IJAZAH SARJANA MUDA SAINS
KOMPUTER (PEMBANGUNAN PERISIAN) DENGAN KEPUJIAN 2017/2018**

Tahun	Semester	Kod baharu	Kursus	Kredit	Jenis	Prasyarat
1	1	CSF 11103	Problem Solving and Computer Programming	3	Teras	
		CSF 11203	Computer Organization and Architecture	3	Teras	
		CSF 11303	Human Machine Interaction	3	Teras	
		CSF 11403	Software Engineering Methods	3	Teras	
		CSF 11503	Social and Professional Ethics	3	Teras	
		PBI I0102	English for Communication I	2	Universiti	
		KK* ****	Ko Kurikulum	3	Universiti	
			Jumlah	20		
	2	CSF 11603	Discrete Mathematics	3	Teras	
		CSF 11703	Operating Systems	3	Teras	
		CSF 11803	Object Oriented Programming	3	Teras	CSB 11103 Problem Solving And Computer Programming
		CSF 11903	Network and Security Fundamentals	3	Teras	
		MPU33012 / MPU33022	Ilmu Wahyu dan Sains / Moral & Etika II (Bukan Islam)	2	Universiti	
		MPU31022	TITAS (Tamadun Islam & Tamadun Asia)	2	Universiti	
PBI 10***		Bahasa Arab/Bahasa Asing	2	Universiti		
PBI 10202		English For Communication II*	2	Universiti	PBI 10102 English for Communication I	
		Jumlah	20			
2	1	CSF 21103	Probability and Statistical Data Analysis	3	Teras	
		CSF 21203	System Analysis and Design	3	Teras	
		CSF 21303	Database	3	Teras	
		CSD 23103	Web Application Development	3	Pengkhususan	
			Free Module Elective I	3	Elektif Bebas	
		MPU31012	Hubungan Etnik	2	Universiti	
			Jumlah	17		
	2	CSF 21403	Data Structures and Algorithms	3	Teras	
		CSD 23203	Requirements Engineering and Software Design	3	Pengkhususan	
		CSD 23303	Software Project Management	3	Pengkhususan	
MPU32092		Asas Pembudayaan Keusahawanan	2	Universiti		

		MPU33032 / MPU33042	Ilmu Wahyu dan Kemasyarakatan /Perbandingan Agama II (Bukan Islam)	2	Universiti	
			Programme Elective I	3	Elektif Program	
			Free Module Elective II	3	Elektif Bebas	
			Jumlah	19		
3	1	CSD 33103	Software Testing and Analysis	3	Pengkhususan	
		CSD 33203	Software Development Workshop	3	Pengkhususan	
		CSD 33303	Compiler Development	3	Pengkhususan	
		CSF 31103	Artificial Intelligence	3	Teras	
			Free Module Elective III	3	Elektif Bebas	
		CSF35104	Final Year Project I	4	PI	Pernah mengambil subjek teras dan pengkhususan sehingga Tahun 2
			Jumlah	19		
	2	CSD 33403	Formal Methods	3	Pengkhususan	
		CSD 33503	Data Mining	3	Pengkhususan	
			Programme Elective II	3	Elektif Program	
		CSF 35204	Final Year Project II	4	PTA	Lulus CSF35104 Final Year Project I
			Free Module Elective III	3	Elektif Bebas	
			Jumlah	16		
4	1	CSF 47112	Industrial Training	12	LI	Lulus semua subjek
			JUMLAH BESAR	123		

SENARAI KURSUS ELEKTIF

Bil	Kod Kursus	Nama Kursus	Jam Kredit	Jenis	Prasyarat
1	CSD 33603	Special Topics in Software Development	3	Elektif Program	
2	CSD 33703	Digital Image Processing	3	Elektif Program	
3	CSD 33803	Advanced Database	3	Elektif Program	
	CSD 33903	Artificial Neural Networks	3	Elektif Program	

**2) STRUKTUR PENAWARAN KURIKULUM BAHARU IJAZAH SARJANA MUDA SAINS
KOMPUTER (KESELAMATAN RANGKAIAN KOMPUTER) DENGAN KEPUJIAN 2017/2018**

Tahun	Semester	Kod Kursus	Kursus	Kredit	Jenis	Prasyarat	
1	1	CSF 11103	Problem Solving and Computer Programming	3	Teras		
		CSF 11203	Computer Organization and Architecture	3	Teras		
		CSF 11303	Human Machine Interaction	3	Teras		
		CSF 11403	Software Engineering Methods	3	Teras		
		CSF 11503	Social and Professional Ethics	3	Teras		
		PBI 10102	English for Communication I	2	Universiti		
			Ko-Kurikulum	3	Universiti		
			Jumlah	20			
	2	2	CSF 11603	Discrete Mathematics	3	Teras	
			CSF 11703	Operating Systems	3	Teras	
			CSF 11803	Object Oriented Programming	3	Teras	CSF 11103 Problem Solving And Computer Programming
			CSF 11903	Network and Security Fundamentals	3	Teras	
			MPU33012 / MPU33022	Ilmu Wahyu dan Sains / Moral & Etika II (Bukan Islam)	2	Universiti	
			MPU31022	TITAS (Tamadun Islam & Tamadun Asia)	2	Universiti	
			PBI 10***	Bahasa Arab/Bahasa Asing	2	Universiti	
			PBI 10202	English For Communication II*	2		PBI 10102 English for Communication I
				Jumlah	20		
	2	1	CSF 21103	Probability and Statistical Data Analysis	3	Teras	
			CSF 21203	System Analysis and Design	3	Teras	
CSF 21303			Database	3	Teras		
CSA 23103			Security Management	3	Pengkhususan		
			Free Module Elective I	3	Elektif Bebas		
MPU31012			Hubungan Etnik	2	Universiti		
			Jumlah	17			
2		2	CSF 21403	Data Structures and Algorithms	3	Teras	
			CSA 23203	Network Technology Security and Communications	3	Pengkhususan	
			CSA 23303	Data Communication Workshop	3	Pengkhususan	
				Programme Elective I	3	Elektif Program	

		MPU32092	Asas Pembudayaan Keusahawanan	2	Universiti	
		MPU33032 / MPU33042	Ilmu Wahyu dan Kemasyarakatan /Perbandingan Agama II (Bukan Islam)	2	Universiti	
			Free Module Elective II	3	Elektif Bebas	
			Jumlah	19		
3	1	CSA 33103	Network Analysis and Design	3	Pengkhususan	
		CSA 33203	Penetration Testing	3	Pengkhususan	
		CSA 33303	Cryptography	3	Pengkhususan	CSB11603 Discrete Mathematics
		CSF 31103	Artificial Intelligence	3	Teras	
			Free Module Elective III	3	Elektif Bebas	
		CSF35104	Final Year Project I	4	PTA	Pernah mengambil subjek teras dan pengkhususan sehingga Tahun 2
			Jumlah	19		
	2	CSA 33403	Parallel and Distributed Computing	3	Pengkhususan	
		CSA 33503	Computer Forensics	3	Pengkhususan	
			Programme Elective II	3	Elektif Program	
		CSF 35204	Final Year Project II	4	PTA	Lulus CSF 35104 Final Year Project I
			Free Module Elective IV	3	Elektif Bebas	
			Jumlah	16		
4	1	CSF 47112	Industrial Training	12	LI	Lulus semua subjek
			JUMLAH BESAR	123		

SENARAI KURSUS ELEKTIF

Bil	Kod Kursus	Nama Kursus	Jam Kredit	Jenis	Prasyarat
1	CSA 33503	Data Compression	3	Elektif Program	
2	CSA 33603	Network Simulation and performance Modelling	3	Elektif Program	
3	CSA 33703	Digital Logic	3	Elektif Program	
4	CSA 33803	Network Management	3	Elektif Program	
5	CSA 33903	Intrusion Detection and Prevention System	3	Elektif Program	
6	CSA 43103	Network Operating System	3	Elektif Program	CSB 11803 Operating System
7	CSA 43203	Network Programming	3	Elektif Program	
8	CSA 43303	Wireless Communication and Mobile Network	3	Elektif Program	

**3) STRUKTUR PENAWARAN KURIKULUM BAHARU IJAZAH SARJANA MUDA SAINS
KOMPUTER (KOMPUTERAN INTERNET) DENGAN KEPUJIAN 2017/2018**

Tahun	Semester	Kod Baharu	Kursus	Kredit	Jenis	Prasyarat	
1	1	CSF 11103	Problem Solving and Computer Programming	3	Teras		
		CSF 11203	Computer Organization and Architecture	3	Teras		
		CSF 11303	Human Machine Interaction	3	Teras		
		CSF 11403	Software Engineering Methods	3	Teras		
		CSF 11503	Social and Professional Ethics	3	Teras		
		PBI 10102	English for Communication I	2	Universiti		
		KK* ****	Ko-Kurikulum	3	Universiti		
			Jumlah	20			
	2		CSF 11603	Discrete Mathematics	3	Teras	
			CSF 11703	Operating Systems	3	Teras	
			CSF 11803	Object Oriented Programming	3	Teras	CSB 11103 Problem Solving And Computer Programming
			CSF 11903	Network and Security Fundamentals	3	Teras	
			MPU33012 / MPU33022	Ilmu Wahyu dan Sains / Moral & Etika II (Bukan Islam)	2	Universiti	
			MPU31022	TITAS (Tamadun Islam & Tamadun Asia)	2	Universiti	
PBI 10***			Bahasa Arab/Bahasa Asing	2	Universiti		
PBI 10202			English For Communication II*	2	Universiti	PBI 10102 English for Communication I	
		Jumlah	20				
2	1	CSF 21103	Probability and Statistical Data Analysis	3	Teras		
		CSF 21203	System Analysis and Design	3	Teras		
		CSF 21303	Database	3	Teras		
		CSD 23103	Web Application Development	3	Pengkhususan		
			Free Module Elective I	3	Elektif Bebas		
		MPU31012	Hubungan Etnik	2	Universiti		
			Jumlah	17			
	2		CSF 21403	Data Structures and Algorithms	3	Teras	
			CSW 23103	Internet Architecture and Programming	3	Pengkhususan	
				Programme Elective I	3	Elektif Program	
CSW 23203			Mobile Computing	3	Pengkhususan		

		MPU32092	Asas Pembudayaan Keusahawanan	2	Universiti	
		MPU33032 / MPU33042	Ilmu Wahyu dan Kemasyarakatan /Perbandingan Agama II (Bukan Islam)	2	Universiti	
			Free Module Elective II	3	Elektif Bebas	
			Jumlah	19		
3	1	CSW 33103	Web Services	3	Pengkhususan	
		CSW 33203	Distributed Computing System	3	Pengkhususan	
		CSW 33303	Cloud Computing	3	Pengkhususan	
		CSF 31103	Artificial Intelligence	3	Teras	
			Free Module Elective III	3	Elektif Bebas	
		CSF 35104	Final Year Project I	4	PTA	Pernah mengambil subjek teras dan pengkhususan sehingga Tahun 2
			Jumlah	19		
	2	CSW 33403	e-Commerce	3	Pengkhususan	
		CSW 33503	Business Intelligence	3	Pengkhususan	
			Programme Elective II	3	Elektif Program	
		CSF 35204	Final Year Project II	4	PTA	Lulus CSF 35104 Final Year Project I
			Free Module Elective IV	3		
			Jumlah	16		
4	1	CSF 47112	Latihan Industri	12	LI	Lulus semua subjek
			JUMLAH BESAR	123		

SENARAI KURSUS ELEKTIF

Bil	Kod Kursus	Nama Kursus	Jam Kredit	Jenis	Prasyarat
1	CSW 33503	Internet Based System Development	3	Elektif Program	
2	CSW 33603	Online Multimedia Technologies	3	Elektif Program	
3	CSW 33703	Internet of Things	3	Elektif Program	

4) STRUKTUR PENAWARAN KURIKULUM BAHARU IJAZAH SARJANA MUDA TEKNOLOGI
MAKLUMAT (INFORMATIK MEDIA) DENGAN KEPUJIAN 2017/2018

Year	Semester	Kod Kursus	Kursus	Kredit	Jenis	Prasyarat	
1	1	PBI 10102	English For Communication I	2	Univ		
		KK* *****	Ko-kurikulum	3	Elektif Bebas		
		CSF 11203	Computer Organisation and Architecture	3	Teras		
		CSF 11103	Problem Solving and Computer Programming	3	Teras		
		CSF 11503	Social and Professional Ethics	3	Teras		
		CSF 11303	Human Machine Interaction	3	Teras		
		ITM 13103	Art and Design	3	Pengkhususan		
	Jumlah			20			
	2	1	MPU33012	Ilmu Wahyu dan Sains	2	Univ	
			MPU 33022	Moral & Etika II (Bukan Islam)		Univ	
		PBI 10***	Bahasa Arab / Bahasa Asing	2	Univ		
		MPU 31022	TITAS (Tamadun Islam & Tamadun Asia)	2	Univ		
		PBI 10202	English For Communication II	2	Univ	PBI 10102 English for Communication I	
		CSF 11603	Discrete Mathematics	3	Teras		
		CSF 11803	Object Oriented Programming	3	Teras		
		ITF 11203	Data Communication and Networking	3	Teras		
		ITF 11103	Information Technology and Its Applications	3	Teras		
		Jumlah			20		
	2	1	MPU31012	Hubungan Etnik	2	Univ	
CSF 21103			Probability and Statistical Data Analysis	3	Teras		
CSF 21303			Database	3	Teras		
CSF 21203			System Analysis and Design	3	Teras		
ITF 21103			Information Security	3	Teras		
CSD 23103			Web Application Development	3	Teras		
			Elective I	3	Elektif Program		
Jumlah			20				
2		2	MPU33032	Ilmu Wahyu dan Kemasyarakatan	2	Univ	
			MPU33042	Perbandingan Agama II (Bukan Islam)		Univ	

		MPU32092	Asas Pembudayaan Keusahawanan	2	Univ	
		CSD 23303	Software Project Management	3	Teras	
		ITM 23103	Storytelling and Storyboard	3	Pengkhususan	
		ITM 23203	Image Editing	3	Pengkhususan	
		ITM 23303	2D and 3D Modeling	3	Pengkhususan	
			Elective II	3	Elektif Program	
			Jumlah	19		
3	1	CSF 35104	Final Year Project I	4	PTA	Telah mengambil semua kursus teras dan pengkhususan sehingga tahun 2
		ITM 33103	Digital Media Publishing	3	Pengkhususan	
		ITM 33203	2D and 3D Animation	3	Pengkhususan	ITM 23303 2D and 3D Modelling
		ITM 33303	Digital Audio and Video Technology	3	Pengkhususan	
			Free Module I	3	Elektif Bebas	
			Free Module II	3	Elektif Bebas	
			Jumlah	19		
	2	CSF 35204	Final Year Project II	4	PTA	Telah lulus Final Year Project 1
		ITM 33403	Multimedia Application Development	3	Pengkhususan	
			Free Module III	3	Elektif Bebas	
			Free Module IV	3	Elektif Bebas	
			Jumlah	13		
	4	1	CSF 47112	Industrial Training	12	Latihan Industri
			Jumlah	12		
		ELEKTIF				
		ITM 23403	Photography Techniques and Technology	3	Elektif Program	Tiada
		ITM 23503	Virtual Reality Technology	3	Elektif Program	Tiada
		ITM 23603	Interactive Media in Industry	3	Elektif Program	Tiada
		ITM 23703	Computer Games Development	3	Elektif Program	Tiada