

**SKEMA PENGAJIAN  
DENGAN ELEKTIF  
KUMPULAN II /  
*STUDY SCHEME WITH  
ELECTIVE GROUP II :***

- **SAINS KOMPUTER DAN  
TEKNOLOGI MAKLUMAT /  
*COMPUTER SCIENCE AND  
INFORMATION TECHNOLOGY***
- **EKONOMI / *ECONOMIC***
- **PERAKAUNAN / *ACCOUNTING***
- **PENGURUSAN PERNIAGAAN /  
*BUSINESS MANAGEMENT***
- **FIZIK / *PHYSIC***
- **KIMIA / *CHEMISTRY***

## SKEMA PENGAJIAN / STUDY SCHEME

### TAHUN 1 / 1ST YEAR

#### SEMESTER 1/ 1<sup>ST</sup> SEMESTER

KOD KURSUS/ COURSE CODE	NAMA KURSUS/ COURSE NAME	Kr	K	A/T
MTH3100	Kalkulus/ <i>Calculus</i>	3	3	0
MTH3200	Aljabar/ <i>Algebra</i>	3	3	0
	Elektif Kumpulan II/ <i>Group II Elective</i>	3/4		
SKP2203	Tamadun Islam dan Tamadun Asia/ <i>Islamic Civilization and Asian Civilization</i>	2	2	0
SKP2101	Kenegaraan Malaysia/ <i>Malaysian Nationhood</i>	3	3	0
PRT2008	Pertanian dan Manusia/ <i>Agriculture and Man</i>	2	2	0
	<b>JUMLAH/ TOTAL</b>	<b>16/17</b>		

#### SEMESTER 2/ 2<sup>ND</sup> SEMESTER

KOD KURSUS/ COURSE CODE	NAMA KURSUS/ COURSE NAME	Kr	K	A/T
MTH3401	Kebarangkalian dan Statistik I/ <i>Probability and Statistics I</i>	3	3	0
MTH3101	Kalkulus Lanjutan/ <i>Advanced Calculus</i>	3	3	0
	Elektif Kumpulan II/ <i>Group II Elective</i>	3/4		
SKP2204	Hubungan Etnik/ <i>Ethnic Relations</i>	2	2	0
BBI2423	<i>Academic Interaction and Presentation</i>	3	2	1
MGM3180	Asas Keusahawanan/ <i>Basic Entrepreneurship</i>	3	2	1
QKXXX	Ko-kurikulum/ <i>Co-curriculum</i>	1	0	1
	<b>JUMLAH/ TOTAL</b>	<b>18/19</b>		

**TAHUN 2 / 2<sup>ND</sup> YEAR**

**SEMESTER 1/ 1<sup>ST</sup> SEMESTER**

KOD KURSUS/ COURSE CODE	NAMA KURSUS/ COURSE NAME	Kr	K	A/T
MTH3102	Persamaan Pembezaan/ <i>Differential Equations</i>	3	3	0
MTH3201	Aljabar Linear/ <i>Linear Algebra</i>	3	3	0
MTH3402	Kebarangkalian dan Statistik II/ <i>Probability and Statistics II</i>	3	3	0
MTH3701	Matematik Kewangan/ <i>Financial Mathematics</i>	3	3	0
	Elektif Kumpulan II/ <i>Group II Elective</i>	3		
BBI2424	<i>Academic Writing</i>	3	2	1
QKK2101	Bakti Siswa	1	0	1
<b>JUMLAH/ TOTAL</b>		<b>19</b>		

**SEMESTER 2/ 2<sup>ND</sup> SEMESTER**

KOD KURSUS/ COURSE CODE	NAMA KURSUS/ COURSE NAME	Kr	K	A/T
MTH3103	Analisis Vektor/ <i>Vector Analysis</i>	3	3	0
MTH3202	Pengenalan kepada Aljabar Moden/ <i>Introduction to Modern Algebra</i>	3	3	0
MTH3301	Analisis Nyata/ <i>Real Analysis</i>	3	3	0
MTH3500	Pengaturcaraan Komputer dalam Matematik/ <i>Computer Programming in Mathematics</i>	4	3	1
KOM3403	Pengucapan Awam/ <i>Public Oration</i>	3	3	0
FCE3204	Kemahiran Berfikir/ <i>Thinking Skills</i>	2	2	0
<b>JUMLAH/ TOTAL</b>		<b>18</b>	<b>17</b>	<b>1</b>

**TAHUN 3 / 3<sup>RD</sup> YEAR**

**SEMESTER 1/ 1<sup>ST</sup> SEMESTER**

KOD KURSUS/ COURSE CODE	NAMA KURSUS/ COURSE NAME	Kr	K	A/T
MTH3104	Kaedah Matematik/ <i>Mathematical Methods</i>	3	3	0
MTH3302	Analisis Kompleks/ <i>Complex Analysis</i>	3	3	0
MTH3501	Analisis Berangka/ <i>Numerical Analysis</i>	3	3	0
MTH3602	Pengaturcaraan Bermatematik/ <i>Mathematical Programming</i>	3	3	0
MTH3901	Proses Penyelidikan dalam Matematik dan Statistik/ <i>Research Processes in Mathematics and Statistics</i>	3	1	2
	Elektif Kumpulan III/ <i>Group III Elective</i>	3		
	<b>JUMLAH/ TOTAL</b>	<b>18</b>		

**SEMESTER 2/ 2<sup>ND</sup> SEMESTER**

KOD KURSUS/ COURSE CODE	NAMA KURSUS/ COURSE NAME	Kr	K	A/T
MTH4959A	Disertasi Bacelor/ <i>Bachelor Dissertation</i>	3	0	3
MTH3406	Kawalan Kualiti Berstatistik/ <i>Statistical Quality Control</i>	3	3	0
MTH4xxx	Elektif Kumpulan I/ <i>Group I Elective</i>	6		
	Elektif Kumpulan II/ <i>Group II Elective</i>	3		
	<b>JUMLAH/ TOTAL</b>	<b>15</b>		

**TAHUN 4 / 4<sup>TH</sup> YEAR**

**SEMESTER 1/ 1<sup>ST</sup> SEMESTER**

KOD KURSUS/ COURSE CODE	NAMA KURSUS/ COURSE NAME	Kr	K	A/T
MTH4959B	Disertasi Bacelor/ <i>Bachelor Dissertation</i>	3	0	3
MTH 4xxx	Elektif Kumpulan I/ <i>Group I Elective</i>	6		
	Elektif Kumpulan IV/ <i>Group IV Elective</i>	3/5		
	<b>JUMLAH/ TOTAL</b>	<b>12/14</b>		

**SEMESTER 2/ 2<sup>ND</sup> SEMESTER**

KOD KURSUS/ COURSE CODE	NAMA KURSUS/ COURSE NAME	Kr	K	A/T
MTH4903	Latihan Industri/ <i>Industrial Training</i>	8	0	8
	<b>JUMLAH/ TOTAL</b>	<b>8</b>		

**SKEMA PENGAJIAN  
DENGAN ELEKTIF  
KUMPULAN II /  
*STUDY SCHEME WITH  
ELECTIVE GROUP II :***

- **STATISTIK / STATISTICS**

## SKEMA PENGAJIAN / STUDY SCHEME

### TAHUN 1 / 1ST YEAR

#### SEMESTER 1 / 1<sup>ST</sup> SEMESTER

KOD KURSUS / COURSE CODE	NAMA KURSUS / COURSE NAME	Kr	K	A / T
MTH3100	Kalkulus / <i>Calculus</i>	3	3	0
MTH3200	Aljabar / <i>Algebra</i>	3	3	0
	Elektif Kumpulan IV / <i>Group IV Electives</i>	3		
SKP2203	Tamadun Islam dan Tamadun Asia / <i>Islamic Civilization and Asian Civilization</i>	2	2	0
SKP2101	Kenegaraan Malaysia / <i>Malaysian Nationhood</i>	3	3	0
PRT2008	Pertanian dan Manusia / <i>Agriculture and Man</i>	2	2	0
	<b>JUMLAH / TOTAL</b>	<b>16</b>		

#### SEMESTER 2 / 2<sup>ND</sup> SEMESTER

KOD KURSUS / COURSE CODE	NAMA KURSUS / COURSE NAME	Kr	K	A / T
MTH3401	Kebarangkalian dan Statistik I / <i>Probability and Statistics I</i>	3	3	0
MTH3101	Kalkulus Lanjutan / <i>Advanced Calculus</i>	3	3	0
KOM3403	Pengucapan Awam / <i>Public Oration</i>	3	3	0
SKP2204	Hubungan Etnik / <i>Ethnic Relations</i>	2	2	0
BBI2423	<i>Academic Interaction and Presentation</i>	3	2	1
MGM3180	Asas Keusahawanan / <i>Basic Enterpreneurship</i>	3	2	1
QKXXX	Ko-kurikulum / <i>Co-curriculum</i>	1	0	1
	<b>JUMLAH / TOTAL</b>	<b>18</b>		

**TAHUN 2/ 2<sup>ND</sup> YEAR**

**SEMESTER 1 / 1<sup>ST</sup> SEMESTER**

KOD KURSUS / COURSE CODE	NAMA KURSUS / COURSE NAME	Kr	K	A / T
MTH3102	Persamaan Pembezaan / <i>Differential Equations</i>	3	3	0
MTH3201	Aljabar Linear / <i>Linear Algebra</i>	3	3	0
MTH3402	Kebarangkalian dan Statistik II / <i>Probability and Statistics II</i>	3	3	0
MTH3701	Matematik Kewangan / <i>Financial Mathematics</i>	3	3	0
	Elektif Kumpulan III / <i>Group III Elective</i>	3		
BBI2424	<i>Academic Writing</i>	3	2	1
QKK2101	Bakti Siswa	1	0	1
<b>JUMLAH / TOTAL</b>		<b>19</b>		

**SEMESTER 2 / 2<sup>ND</sup> SEMESTER**

KOD KURSUS / COURSE CODE	NAMA KURSUS / COURSE NAME	Kr	K	A / T
MTH3103	Analisis Vektor / <i>Vector Analysis</i>	3	3	0
MTH3202	Pengenalan kepada Aljabar Moden / <i>Introduction to Modern Algebra</i>	3	3	0
MTH3301	Analisis Nyata / <i>Real Analysis</i>	3	3	0
MTH3403	Rekabentuk Ujikaji / <i>Experimental Design</i>	3	3	0
MTH3405	Penggunaan Pakej Statistik Terpilih / <i>Applications of Selected Statistical Package</i>	3	2	1
MTH3500	Pengaturcaraan Komputer dalam Matematik / <i>Computer Programming in Mathematics</i>	4	3	1
<b>JUMLAH/ TOTAL</b>		<b>19</b>		

**TAHUN 3 / 3<sup>RD</sup> YEAR**

**SEMESTER 1 / 1<sup>ST</sup> SEMESTER**

KOD KURSUS / COURSE CODE	NAMA KURSUS / COURSE NAME	Kr	K	A / T
MTH3104	Kaedah Matematik / <i>Mathematical Methods</i>	3	3	0
MTH3302	Analisis Kompleks / <i>Complex Analysis</i>	3	3	0
MTH3409	Statistik Berkomputasi / <i>Computational Statistics</i>	3	2	1
MTH3501	Analisis Berangka / <i>Numerical Analysis</i>	3	3	0
MTH3602	Pengaturcaraan Bermatematik / <i>Mathematical Programming</i>	3	3	0
MTH3901	Proses Penyelidikan dalam Matematik dan Statistik / <i>Research Processes in Mathematics and Statistics</i>	3	1	2
<b>JUMLAH / TOTAL</b>		<b>18</b>		

**SEMESTER 2 / 2<sup>ND</sup> SEMESTER**

KOD KURSUS / COURSE CODE	NAMA KURSUS / COURSE NAME	Kr	K	A / T
MTH4959A	Disertasi Bachelor / <i>Bachelor Dissertation</i>	3	0	3
MTH3406	Kawalan Kualiti Berstatistik / <i>Statistical Quality Control</i>	3	3	0
MTH4xxx	Elektif Kumpulan I / <i>Group I Electives</i>	3		
MTH4xxx	Elektif Kumpulan I / <i>Group I Electives</i>	3		
	Elektif Kumpulan IV / <i>Group IV Elective</i>	3		
<b>JUMLAH / TOTAL</b>		<b>15</b>		



**TAHUN 4 / 4<sup>TH</sup> YEAR****SEMESTER 1 / 1<sup>ST</sup> SEMESTER**

KOD KURSUS / COURSE CODE	NAMA KURSUS / COURSE NAME	Kr	K	A / T
MTH4959B	Disertasi Bachelo / <i>Bachelor Dissertation</i>	3	0	3
MTH 4xxx	Elektif Kumpulan I / <i>Group I Electives</i>	3		
MTH 4xxx	Elektif Kumpulan I / <i>Group I Electives</i>	3		
MTH4401	Teknik Pensampelan / <i>Sampling Techniques</i>	3		
atau / or	atau / or			
MTH4407	Kaedah Interaktif Berkomputasi dalam Analisis Data / <i>Interactive Computational Methods in Data Analysis</i>			
FCE3204	Kemahiran Berfikir / <i>Thinking Skills</i>	2	2	0
<b>JUMLAH / TOTAL</b>		<b>14</b>		

**SEMESTER 2 / 2<sup>ND</sup> SEMESTER**

KOD KURSUS / COURSE CODE	NAMA KURSUS / COURSE NAME	Kr	K	A / T
MTH4903	Latihan Industri / <i>Industrial Training</i>	8	0	8
<b>JUMLAH / TOTAL</b>		<b>8</b>		