

The required courses include:

University Required Courses (20 Credit Hours)		
University Core 1		
MPU 3122K/MPU 3112K : Tamadun Islam dan Tamadun Asia (TITAS) Hubungan Etnik-for malaysian students	UNGS 2060K : Malay Virtues, Heritage and Malaysian Society	LM 1030K : Bahasa Melayu I untuk Pelajar Antarabangsa
LM 1031K : Bahasa Melayu II untuk Pelajar Antarabangsa	LM 1040K : Bahasa Melayu I untuk Pelajar Antarabangsa (<i>Nusantara</i>)	LM 1041K : Bahasa Melayu II untuk Pelajar Antarabangsa (<i>Nusantara</i>) for non malaysian students
University Core 2		
UNGS 2011K : Creative Thinking and Problem Solving	CCHB/HS 1011K : Usrah 1 (BUDI)	CCHB/HS 1012K : Usrah 2 (BUDI)
CCLM 2051K : Leadership and Management	CCFM 2052K : Family Management and Parenting	SKILL : Skills Package 1 Skills Package 2
LE 4000K : English Academic Writing	TQ 1001K : Tilawah Al- Quran I TQ 2001K : Tilawah Al- Quran II	LQ 1008K :Quranic Language I LQ 2008K : Quranic Language II
University Core 3		
UNGS 2080K (UNGS 2050 + UNGS 2070) : Ethics and Fiqh of Contemporary Issues	UNGS 2090K(UNGS 2030 + UNGS 2040) : Islamic Worldview, Knowledge & Civilization	
University Core 4		
CCCD 1621K Usrah 3 (BUDI)	CCCD 1622K Usrah 4 (BUDI)	
Kulliyah Required Courses (9 Credit Hours)		
KOS 111 : Computers in Science	MGT 2010K : Principles & Practice of Management	KOS 1000 : Islam in science
Department Required Courses (40 Credit Hours)		
SPS 1103 : Mechanics	SPS 1278 : Calculus	SPS 1203 :Electricity and Magnetism I
SPS 1213 : Vibration, Waves and Optics	SPS 1202 : Experimental Physics I	SPS 1205 : Linear Algebra
SPS 2247 : Probability and Data Analysis	SPS 2103 : Modern Physics	SPS 2113 : Electronics
SPS 2281 : Mathematical Methods	SPS 2284 : Mathematical Analysis	SPS 2203 : Quantum Mechanics

SPS 2202 : Experimental Physic II	SPS 3216 : Vector Analysis	SPS 2282 : Advanced Mathematical Methods
SPS 2213 : Nuclear Physics and Radiation	SPS 3103 : Statistical Physics I	SPS 4103 : Solid State Physics
SPS 3123 : Optics	SPS 3203 : Quantum Mechanics II	SPS 4116 : Physics Project
SPS 4113 : Statistical Physics II	SPS 4113 : Statistical Physics II	SPS 3212 : Industrial Training
CONCENTRATION COURSES (15 Credit Hours)		
Instrumentation		
SPS 3230 : Introduction to Microprocessor	SPS 4130 : Instrumentation	SPS 4131 : Lasers and Its Uses
SPS 4230 : Applied Spectroscopy	SPS 4231 : Non-Destructive Testing	
Biophysics		
SPS 3220 : Biophysics I	SPS 4120 : Biophysics II	SPS 4121 : Biophysics III
SPS 4220 : Biomolecular Electronics and Instrumentation	SPS 4221 : Radiation Biophysics	
Computational Physics		
SPS 3210 : Scientific Computing	SPS 4110 : Computational Method in Physics I	SPS 4111 : Computational Method in Physics II
SPS 4210 : Computational Method in Physics III	SPS 4211 : Techniques for Computerized Experiments	