

Study Plan

Degree : Bachelor

Faculty : Science and Humanity Studie

Hrs : 184

Semester : 441

Dept : Mathematics (MOI:English)

Plan : Major

Edition : 6

Gender : Both

Major : 40MATF Mathematics (MOI:English)

Council Session :

Deanship Session :

Faculty Session :

Dept Session :

Council Date :

Deanship Date :

Faculty Date :

Dept Date :

Group Type : 1 إجبارية 1

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First							
Code	Course Name	HR	G	L	H	Requisits	Yrl
IC 101	Introduction of Islamic Culture	2				-	-
MATH 1050	Differential calculus	4				-	-
ENGL 1210	Reading Skills	5				-	-
ENGL 1220	Writing Skills	5				-	-
Total							16

Second							
Code	Course Name	HR	G	L	H	Requisits	Yrl
ARAB101	Language Skills	2				-	-
MATH 1060	Integral calculus	4				MATH 1050 - / P	-
ENGL 1230	Conversation and listening skills	5				-	-
CT 1400	Computer Skills	3				-	-
Total							14

Third							
Code	Course Name	HR	G	L	H	Requisits	Yrl
PHYS 1010	General physics(I)	5				-	-
MC 1400	Communication Skills	2				-	-
ENG 1604	English for Technical Purposes	5				-	-
ENG 1606	English for Academic Purposes	4				-	-
Total							16

Forth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
STAT 2010	Fundamentals of Statistics and Probabilities	4				MATH 1060 - / P	-
PHYS 2180	General Physics for mathematical student (2)	5				PHYS 1010 - / P	-
MATH 2240	Algebra and analytic geometry	4				MATH 1060 - / P	-
MATH 2311	Infinite Series and Calculus Applications	4				MATH 1060 - / P	-

Forth						
Total						17

Fifth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
IC 102	The Islam and Society Building	2				-	-
STAT 2040	Statistical Methods	4				STAT 2010 - / P	-
MATH 2250	Linear Algebra- I	4				MATH 2240 - / P	-
MATH 2290	Mechanics	4				MATH 1060 - / P	-
MATH 2301	visual programming of mathematical Problems	4				CT 1400 - / P	-
Total							18

Sixth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
IC 103	The Foundation Of the Economic System in Islam	2				-	-
MATH 2321	Actuarial Mathematics - I	4				MATH 1060 - / P	-
MATH 2455	Group Theory	4				MATH 2240 - / P	-
STAT 3280	Statistical Packages	4				STAT 2040 - / P	-
Total							14

Seventh							
Code	Course Name	HR	G	L	H	Requisits	Yrl
IC 104	Foundations of the political system in Islam	2				-	-
MATH 3280	Linear Algebra-II	4				MATH 2250 - / P	-
MATH 3320	Calculus-III, Multivariable Calculus	4				MATH 1060 - / P	-
MATH 3330	Ordinary Differential Equations-I	4				MATH 2311 - / P	-
Total							14

Eighth							
Code	Course Name	HR	G	L	H	Requisits	Yrl

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Group Type : 1 إجبارية

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Eighth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
MATH 3340	Ordinary Differential Equations-II	4				MATH 3320 - / P MATH 3330 - / P	-
MATH 3350	Vector Analysis	4				MATH 3320 - / P	-
MATH 3370	Numerical Analysis	4				MATH 2250 - / P	-
MATH 3460	Real Analysis- I	4				MATH 3320 - / P MATH 3330 - / P	-
Total							16

Code	Course Name	HR	G	L	H	Requisits	Yrl
MATH4820	Geadaution Project	3			155	-	-
Total							7

Category :

Group Type : 1 إختيارية (4)

Ninth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
MATH 3510	Mathematical Packages	4				MATH 2301 - / P MATH 3330 - / P	-
MATH 4455	Rings & fields	4				MATH 2455 - / P	-
Total							8

Code	Course Name	HR	G	L	H	Requisits	Yrl
PHYS 2140	Classical Mechanics (1)	4				PHYS 1010 - / P	-
STAT 2150	Probability	4				STAT 2040 - / P	-
PHYS 2230	Advanced Physics	4				PHYS 1010 - / P	-
MATH 2300	Visual Programming	4				MATH 2301 - / P	-
PHYS 2410	Thermodynamics (1)	4				MATH 1060 - / P PHYS 1010 - / P	-
IS 2511	Fundamentals of Database Systems	4				MATH 2301 - / P	-
Total							24

Category :

Group Type : 1 إختيارية (20)

Tenth							
Code	Course Name	HR	G	L	H	Requisits	Yrl
ARAB103	Arabic Editing	2				-	-
MATH 4590	Field Training	2			134	-	-
MATH 4620	Professional Ethics in Mathematics	2				MATH 3460 - / P	-
Total							6

Code	Course Name	HR	G	L	H	Requisits	Yrl
MATH 4410	Analytical Mechanics	4				MATH 2290 - / P MATH 4360 - / P	-
Total							4

Code	Course Name	HR	G	L	H	Requisits	Yrl
MATH 4360	Introduction to Partial Differential Equations	4				MATH 3320 - / P MATH 3330 - / P	-
MATH 4430	Introduction to Topology	4				MATH 3460 - / P	-
Total							8

Code	Course Name	HR	G	L	H	Requisits	Yrl
MATH 3240	Actuarial Mathematics -II	4				MATH 2321 - / P	-
MATH 3260	Mathematical Programming	4				MATH 2250 - / P	-
MATH 3270	Numbers Theory	4				MATH 2311 - / P	-
MATH 4380	Nonlinear dynamics	4				MATH 3320 - / P MATH 3340 - / P	-
MATH	Differential Geometry	4				MATH 3320 - / P	-

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Category :

Group Type : 1 إختيارية (20)

Code	Course Name	HR	G	L	H	Requisites	Yrl
4390						MATH 3330 - / P	
MATH 4400	Fluid Mechanics	4				MATH 2290 - / P MATH 4360 - / P	-
MATH 4420	Introduction to Functional Analysis	4				MATH 3280 - / P MATH 3460 - / P	-
MATH 4470	Real Analysis - 2	4				MATH 3460 - / P	-
MATH 4480	Principles of Automatic Control	4				MATH 2250 - / P MATH 3320 - / P MATH 3340 - / P	-
MATH 4490	Applications of Continuum Mechanics	4				MATH 3350 - / P MATH 4360 - / P	-
MATH 4500	Numerical Methods for Partial Differential Equations	4				MATH 3370 - / P MATH 4360 - / P	-
MATH 4520	Calculation of Varitoions	4				MATH 3320 - / P MATH 3330 - / P	-
MATH 4540	Computational Geometry	4				MATH 3320 - / P MATH 3340 - / P	-
MATH 4550	Wavelet and Signal Processing	4				MATH 3280 - / P MATH 3340 - / P	-
MATH 4560	Dynamics of the Rigid Body	4				MATH 2290 - / P MATH 3330 - / P	-
MATH 4570	Quantum Mechanics	4				MATH 3340 - / P MATH 4360 - / P MATH 4410 - / P	-
MATH 4580	Special Functions	4				MATH 3340 - / P	-
Total							68

Code	Course Name	HR	G	L	H	Requisites	Yrl
MATH 4530	Methods of Optimization	4				MATH 3260 - / P MATH 3320 - / P	-

Total							4
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Free Hrs :	6
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