

Requirements		Credits hours
University requirements		12
Faculty requirements	Compulsory	47
	Optional	None
Department requirements	Compulsory	64
	Optional	9
Total		132

Study Plan Courses & Levels

1 st Level			Preparatory Year				
Courses Title		Course Code	Contact Hours			Credit	Prerequisites
			Theoretical	practical	Training		
1	MATH I	MATH 100	3			3	
2	General Chemistry	CHEM 101	3			3	
3	English I	ECS 001	15			5	
4	General Biology	BIO 101	3			3	
5	Learning, Thinking, and Research Skills	LTS 001	3			3	
Total			27			17	
2 nd Level			Preparatory Year				
Courses Title		Course Code	Contact Hours			Credit	Prerequisites
			Theoretical	practical	Training		
1	General Physics	PHYS 101	3			3	0
2	MATH II	MATH 101	3			3	MATH 100
3	English II	ELS 002	15			5	ECS 001
4	Computer Skills and Its application	CSC 001	3			3	
5	Communication Skills	COMM 001	2			2	
Total			26			16	
3 rd Level			Second Year				
Courses Title		Course Code	Contact Hours			Credit	Prerequisites
			Theoretical	practical	Training		
1	Fundamentals of inte Calculus	MATH 200	4	1		4	MATH 101
2	Basics of Mathematic	MATH251	3	1		3	MATH 101
3	Analytical Geometry	MATH261	3	-		3	MATH 101
4	Programming Langu	CSC 112	3	2		4	CSC 001
5	Language Skills	ARB 101	2	-		2	-----
6	Islamic Culture (1)	ISLS101	2	-		2	
Total			21			18	
4 th Level			Second Year				
Courses Title		Course Code	Contact Hours			Credit	Prerequisites
			Theoretical	practical	Training		
1	Advanced Calculus	MATH 203	4			4	MATH 200
2	Differential Equations	MATH 204	3	2		3	
3	Linear Algebra	MATH 241	3	-		3	MATH 251
4	General Statistics	STAT 201	4	-		4	
5	Writing Skills	ARB 201	2	-		2	ARB 101

6	Islamic Culture (2)	ISLS 201	2	-		2	ISLS101
Total			20			18	
5th Level			Third Year				
Courses Title		Course Code	Contact Hours			Credit	Prerequisites
			Theoretical	practical	Training		
1	Differential Equations 2	MATH 305	3			3	MATH 204
2	Real Analysis 1	MATH 311	3			3	MATH 251,
3	Probability theory (1)	STAT 311	3			3	STAT 201
4	Abstract Algebra 1	MATH 342	3			3	MATH 251
5	Islamic Culture (3)	ISLS 301	2	-		2	ISLS 201
Total			14			14	
6th Level			Third Year				
Courses Title		Course Code	Contact Hours			Credit	Prerequisites
			Theoretical	practical	Training		
1	Partial Differential Equations	MATH 406	3			3	MATH 305
2	Abstract Algebra 2	MATH 343	3			3	MATH 342
3	Introduction to Numerical Analysis	MATH 334	3			3	STAT 201 MATH 203,
4	Introduction to Operations Research	MATH 340	2			2	MATH 203
5	Optional Mathematics	MATH xxx	3			3	
Total			14			14	
7th Level			Fourth Year				
Courses Title		Course Code	Contact Hours			Credit	Prerequisites
			Theoretical	practical	Training		
1	Mathematics and Packages Programs	MATH 333	3			3	STAT 201 MATH 200
2	Integral Equations	MATH 408	3			3	MATH 305, MATH 311
3	Complex Analysis (1)	MATH 413	3			3	MATH 311
4	General Topology	MATH 464	3			3	MATH 251 MATH 311
5	History of Mathematics among the Arabs and Muslims	MATH 481	3			3	MATH 200
6	Optional Mathematics	MATH xxx	3			3	STAT 201
Total			18			18	
8th Level			Fourth Year				
Courses Title		Course Code	Contact Hours			Credit	Prerequisites
			Theoretical	practical	Training		
1	Discrete Mathematics	MATH 462	3			3	MATH 251
2	Differential Geometry	MATH 463	3			3	MATH 305 MATH 204
3	Functional Analysis	MATH 415	3			3	MATH 311
4	Optional Mathematics	MATH xxx	3			3	Passing level 6
5	** Research Project	MATH 491	6			3	MATH464
6	Islamic Culture (4)	ISLS 401	2	-		2	ISLS 301
Total			17			17	

Credit point system:

- Study system is on the basis of levels.
- The program consists of 8 levels (4 years).
- One level lasts for one semester.
- Total credit hours are 132 hour.
- One credit hour equivalent to one hour lecture or two tutorial/lab hours per week.