

Study Plan: BS in Mathematics

Year-I			
Term	Course Code	Course Title	Credits
Semester-1	ARAB 101	Academic Writing in Arabic	3
	CMPS 100B	Introduction to Technical Computing for the Sciences	3
	ENGL 101	Basic Academic English	3
	MATH 199	Calculus I	3
	SOCS 102	Omani Society	3
	Total Credit Hours		
Year-I			
Semester-2	CHEM 130	Chemical Principles I	3
	CHEM 130L	Introductory Chemistry Laboratory	1
	ENGL 102E	English for Engineering and Sciences I	3
	MATH 200	Calculus II	3
	PHYS 170	Fundamentals of Physics I	3
	PHYS 170L	Introductory Physics Laboratory	1
	MATH 120	Geometry and Trigonometry	3
	Total Credit Hours		
Total Credit Hours in Year-I: 32			
Year-II			
Term	Course Code	Course Title	Credits
Semester-3	ENGL 203E	English for Engineering and Sciences II	3
	MATH 205	Calculus III	3
	MATH 210	Differential Equations	3
	MATH 240	Mathematics Computer Applications I	3
	MATH 220	Linear Algebra I	3
	Total Credit Hours		
Year-II			
Semester-4	ENGL 204	Advanced English for Academic Purposes and Research	3
	ENTR 200	Entrepreneurship: Innovation & Creativity	3
	MATH 260	Numerical Analysis I	3
	MATH 250	Probability and Statistics	3
	Code	General Elective	3
	Total Credit Hours		
Total Credit Hours in Year-II: 30			

Year-III			
Term	Course Code	Course Title	Credits
Semester-5	MATH 365	Fourier Series and Partial Differential Equations	3
	ENGL 305	Advanced English Language and Communication Skills	3
	PHYS 210	Fundamental of Physics II	3
	PHYS 210L	Physics Lab II	1
	MATH 385	Set Theory	3
	Code	Major Elective	3
	Total Credit Hours		
Year-III			
Semester-6	CHEM 170	Chemical Principals II	3
	MATH 340	Real Analysis	3
	MATH 355	Statistical Inference	3
	Code	Major Elective	3
	Code	Major Elective	3
	Total Credit Hours		
Total Credit Hours in Year-III: 31			
Year-IV			
Term	Course Code	Course Title	Credits
Semester-7	MATH 415	Abstract Algebra I	3
	MATH 485	Project in Mathematics	3
	Code	Major Elective	3
	Code	Physical and Natural Sciences Elective	3
	Code	General Elective	3
	Total Credit Hours		
Year-IV			
Semester-8	MATH 470	Complex Analysis	3
	MATH 490	Mathematics Seminar	1
	MATH 435	Topology	3
	Code	Major Elective	3
	Code	Humanities and Social Science Elective	3
	Total Credit Hours		
Total Credit Hours in Year-IV: 28			