

Four Years Curriculum (Total: 121 Credits)

Year One

First Semester

Course Code	Course Title	Credit
CHEM 101	Introduction to Chemistry	3
ENGL 101	English Communication Skills I	3
MATH 101	Calculus I	3
PHYS 111	Fundamentals of Physics I	3
PHYS 112	Fundamentals of Physics I Lab	1
	Free Elective 1	3

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Second Semester

Course Code	Course Title	Credit
CHEM 103	General chemistry	3
CHEM 104	General Chemistry Lab	1
ENGL 102	English Communication Skills II	3
MATH 103	Calculus II	3
PHYS 113	Fundamentals of Physics II	3
PHYS 114	Fundamentals of Physics II Lab	1
	Free Elective 2	3

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Year Two

Third Semester

Course Code	Course Title	Credit
MATH 201	Calculus III	3
MATH 213	Set Theory	3
CSIS 206	Principles of Programming	3
ENGL 203	English Communication Skills III	3
LISP200	Library Use and Research methods	1
	Department Elective 1	3

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Fourth Semester

Course Code	Course Title	Credit
MATH 211	Linear Algebra I	3
MATH 341	Introduction to Probability & Statistics	3
MATH 271	Elementary Differential Equations	3
ENGL 204	Language, Society and Culture	3
	Free Elective 3	3

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Year Three**Fifth Semester**

Course Code	Course Title	Credit
MATH 321	Real Analysis	3
MATH 371	Partial Differential Equations	3
MATH 331	Numerical Analysis I	3
ISLM 101	Islamic Cultural Studies	3
	Free Elective 4	3

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Sixth Semester

Course Code	Course Title	Credit
MATH 323	General Topology	3
MATH 343	Statistics I	3
MATH 311	Linear Algebra II	3
SOCL 201	UAE Studies	3
	Free Elective 5	3

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Year Four**Seventh Semester**

Course Code	Course Title	Credit
MATH 325	Complex Analysis	3
ENTR 201	Entrepreneurship and Innovation	3
	Department Elective 2	3
	Free Elective 6	3
	Free Elective 7	3

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Eighth Semester

Course Code	Course Title	Credit
	Department Elective 3	3
	Department Elective 4	3
	Free Elective 8	3
	Free Elective 9	3

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