

Four Years Curriculum (Total: 124 credits)

Year One

First Semester

Course Code	Course Title	Credit
BIOL 101	General Biology I	3
BIOL 102	General Biology I Lab	1
CHEM 101	Introduction to Chemistry	3
ENGL 101	English Communication Skills I	3
MATH 101	Calculus I	3
ISLM 101	Islamic Cultural Studies	3

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Second Semester

Course Code	Course Title	Credit
BIOL 103	General Biology II	3
BIOL 104	General Biology II Lab	1
CHEM 103	General Chemistry	3
CHEM 104	General Chemistry Lab	1
ENGL 102	English Communication Skills II	3
PHYS 111	Fundamentals of Physics I	3
PHYS 112	Fundamentals of Physics I Lab	1
LISP 200	Library Use and Research Methods	1

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Year Two

Third Semester

Course Code	Course Title	Credit
BIOL 213	Cell Biology	3
BIOL 214	Cell Biology Lab	1
CHEM 211	Organic Chemistry	3
CHEM 212	Organic Chemistry Lab	1
ENGL 203	English Communication Skills III	3
PHYS 113	Fundamentals of Physics II	3
PHYS 114	Fundamentals of Physics II Lab	1
CSIS 101	Computer Literacy	3

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Fourth Semester

Course Code	Course Title	Credit
BIOL 283	Genetics	3
BIOL 284	Genetics Lab	1
BIOL 207	General Ecology	3
ENGL 204	Language, Society and Culture	3
MATH 243	Statistics for Applied Sciences	3
CHEM 213	Organic Chemistry II	3

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Year Three**Fifth Semester Course Code**

Course Code	Course Title	Credit
BIOL 385	Molecular Biology	3
BIOL 351	Principles of Biochemistry	3
SOCL 201	UAE Studies	3
	Free Elective 1	3
	Department Elective 1	3
	Lab Elective 1	1

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Sixth Semester

Course Code	Course Title	Credit
BIOL 361	Microbiology	3
BIOL 362	Microbiology Lab	1
BIOL 345	Plant Physiology	3
BIOL 346	Plant Physiology Lab	1
CHEM 205	Analytical Chemistry I	3
	Free Elective 2	3

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Year Four**Seventh Semester**

Course Code	Course Title	Credit
ENTR 201	Entrepreneurship and Innovation	3
	Department Elective 2	3
	Department Elective 3	3
	Free Elective 3	3
	Free Elective 4	3

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Eighth Semester

Course Code	Course Title	Credit
	Department Elective 4	3
	Department Elective 5	3
	Lab Elective 2	1
	Free Elective 5	3
	Free Elective 6	3

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