Life Sciences: Biological Sciences & Nanotechnology Track
Course Progression 2020-2021

Alfaisal University — جامعة الفيصل

YEAR 1

Fall (19)	Spring (19)
General Biology I BIO 101 (3+1)	General Biology II BIO 112 (3+1)
General Chemistry I CHM 101 (3+1)	General Chemistry II CHM 112 (3+1)
Calculus I MAT 105 (3)	Calculus II MAT 116 (3)
Introduction to Comp. Sci. CSC 101 (3)	Humanity Course Elective (3)
Freshmen English I ENG 101 (3)	Freshmen English II ENG 112 (3)
Islamic Studies I ISL 101 (2)	Islamic Studies II ISL 112 (2)

YEAR 2

Fall (17)	Spring (20)
Mech. & Waves for Life Science PHU 205 (3+1)	Electro. & Optics for LS PHU 216 (3+1)
Organic Chemistry I CHM 211 (3+1)	Organic Chemistry II CHM 212 (3+1)
Microbiology BIO 223 (3+1)	Human Physio. & Anat. BIO 224 (3+1)
Probability & Statistics STA 211 (3)	Environ. Sci. & Sustainability ENV 205 (3)
Arabic Language I ARB 101 (2)	Arabic Language II ARB 112 (2)
	Free Elective Course (3)

YEAR 3

Fall (17)	Spring (18)
Research Methodology LSR 302 (3)	Instrumental Analysis CHM 310 (3+1)
Biochemistry I BIO 346 (3+1)	Biochemistry II BIO 358 (3+1)
Molecular Biology I BIO 345 (3+1)	Molecular Biology II BIO 357 (3+1)
Advanced Program Elective I (3)	Advanced Program Elective III (3)
Advanced Program Elective II (3)	Advanced Program Elective IV (3)
Life Sciences Summer Internship LSR 390 (0)	

YEAR 4

Fall (12)	Spring (12)
Human Genetics BIO 405 (3)	Biotechnology BIO 440 (3)
Nanomaterials & Nanotechnology BSN 430 (3)	Free Elective Course (3)
Life Science Research Project I LSR 421 (3)	Life Science Research Project II LSR 422 (3)
Life Science Special Topics LST 421 (3)	Integrative LS Research Seminar LSR 423 (3)

Graduation

Gen. Education Requirements and electives Credit Hours (23), Courses (9)	College Requirements Credit Hours (25), Courses (7)	Program Requirements Credit Hours (44), Courses (12)	Advanced Program Electives Credit Hours (12), Courses (4)	Track Requirements Credit Hours (18), Courses (5)	Special Topics, Internship, Research, and Seminar Credit Hours (12), Courses (5)	Total (134)