

Courses offered in KAM School of Life Sciences (Biological Sciences BIOL)

Catalogue Year: 2021-2022

Core Courses					Elective Courses / Specializations (if any)				
Core Courses	Cr.H	Remarks/ Prerequisite (if any)	Offered in Semester Fall /Spring /Summer	Remarks/ cross-listed etc.	Elective Courses	Cr.H	Pre Req	Offered in Semester	Remarks/ cross-listed etc.
BIOL 201	3		SP / FALL		BIOL 212	3			ENVR 212 depends upon offering by parent department
BIOL 203	3		SP / FALL		BIOL 207	4			ENVR 323 depends upon offering by parent department
BIOL 221	4		SP / FALL		BIOL 327	3	BIOT 313		
BIOL 222	4		SP / FALL		BIOL 328	3			
BIOL 313	4								
BIOL 315	4		SP / FALL		BIOL 412	3	BIOL 201		
BIOL 323	3		SP / FALL		BIOL 413	3	BIOL 201 BIOT 313		
BIOL 403	3	BIOL 221	SP / FALL		BIOL 208	3	BIOT 313		
<p>NOTE: 29 credits of core courses</p> <p>Requirements of Major: 48 credits</p> <p>CGPA, or any other requirement...</p> <p>MCGPA should be 2.0 or more</p> <p>For BSc (Hons.) in Biological Sciences CGPA should be 2.0 or more</p> <p>Students doing major in Biological Sciences must take 8 credit hours of Chemistry courses (lab course) in consultation with the faculty advisor.</p> <p>To apply for Research and Internship in junior year minimum CGPA should be 2.75.</p> <p>Requirements of Minor:</p> <p>A minor in Biological Sciences is open to students in the following disciplines: Chemistry and Physics with a minimum CGPA of 2.5.</p> <p>Core courses required for minor are: BIOL 201, BIOL 203, BIOL 221, BIOL 222 and 3 courses of 300 or 400 level, from BIOL courses list available in the catalog.</p> <p>Cross-listed Courses:</p> <p>BIOL 212, BIOL 323, BIOL 404</p> <p>Courses for Gen.Education: (any recommendation)</p> <p>BIOL 105 / BIOL 102</p> <p>Courses for non-science students: BIOL 100</p>					BIOL 306	4	BIOL 315		
					BIOT 409	3			
					BIOT 415	4	BIOL 315		
					BIOL 319	4			
					BIOL 403	3			
					BIOT 498/499	6			Junior year in Summers
					<p>Note: Any 200 or above level course offered by the department will count as major elective.</p> <p>Total Credits: 19 credits for major elective</p>				

Mission Statement

To produce good quality academicians and scientists, and more importantly responsible citizens and good human beings.



Higher education opportunities:

Biological Sciences is a program with wide scope and prospects. Students majoring in this area can apply for postgraduate programs in the areas of botany, zoology, agriculture, microbiology, environmental sciences, food science, public health and other disciplines of life sciences.



Career Opportunities/Career Path:

Biological sciences majors can have employment opportunities in academia, industries and laboratories. They can work in diagnostic labs, marine scientist, laboratory analyst/assistant, environmental scientist, food and agriculture companies, as botanist or a zoologist.

They can get jobs in oil and chemical industry, pest control companies, fisheries, parks and horticulture, zoological parks and veterinary houses. Some of the government departments and organizations where biologists work include EPA, PCSIR, PARC, NIBGE, NIAB, WASA, EPD, and Waste management company.

Roadmap for Biological Sciences Majors

Catalog year: 2021-2022

Freshmen year					
Fall 2021 (1st Semester)			Spring 2022. (2nd Semester)		
Course	Credit Hr	Remarks/Status	Course	Credit Hr	Remarks/Status
*UNIV100	3		Any Gen.Edu Course	4	
*Any Gen.Edu Course	3		Any Gen.Edu Course	3	
Any Gen.Edu Course	3		Any Gen.Edu Course	3	
Any Gen.Edu Course	3		Gen.Edu Lab Course	4	
General education lab Course	4		Any Gen.Edu Course	3	
Sophomore year					
Fall...2022.... (3rd Semester)			Spring...2023.... (4th Semester)		
Any Gen.Edu Course	3		Any Gen.Edu Course	3	
Any Gen.Edu Course	3		Any Gen.Edu Course	3	
Any Gen.Edu Course	3		BIOL 222 (core)	3	
BIOL 201 (core)	3		BIOL 203 (core)	4	
BIOL 221 (core)	4		Free Elective	3	
Junior year					
Fall.....2023 (5th Semester)			Spring...2024.... (6th Semester)		
BIOL 313 (core)	4		BIOL 315 (core)	4	
BIOL 323 (core)	4		Major elective (200 or above level course)	3/4	
Major elective (200 or above level course)	3/4		Major elective (200 or above level course)	3/4	
Free Elective	3		Free Elective	3	
Free Elective	3		Free Elective	3	
Research and Internship					
Senior year					
Fall ...2024.... (7th Semester)			Spring ...2025....(8th Semester)		
BIOL 403 (core)	3		Major elective (200 or above level course)	3/4	
Major elective (200 or above level course)	3/4		Major elective (200 or above level course)	3/4	
Major elective (200 or above level course)	3/4		Free Elective	3	
Free Elective	3		Free Elective	3	
Total Credits:	124				