

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department**



Academic Program Description Form

University Name: ... Al Qasim Green University.....

Faculty/Institute: College of Science.....

Scientific Department: Biology.....

**Academic or Professional Program Name: . Bachelor's
degree... Pathological Analysis Sciences..... Final**

**Certificate Name: Bachelor's degree... Biology
Sciences.....**

Academic System: courses

Description Preparation Date: 24/3/2024

File Completion Date:24 /3/2024

Signature:

Head of Department Name:

Date:

Signature:

Scientific Associate Name:

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature Approval:

.1 Program Vision

The College of Science seeks to prepare graduates in the field of Biology sciences to work in government departments and benefit from specialization in the practical and applied field.website.

.4 Program Accreditation

Nothing

.5 Other external influences

Nothing

.6 Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	43	121		
College Requirements	Yes			
Department Requirements	Yes			

Summer Training	Yes				
Other					
.7 Program Description					
Year/Level	Course Code	Course Name	Credit Hours		
2023-2024 /Second			2/theoretical	2/3practical	
		General insects	2	2	3
		Anatomy of a plant	2	2	3
		Microbiology (1)	2	2	3
		Invertebrates	2	2	3
		Plant groups	2	2	3
		Biochemistry (1)	2	2	3
		Computer (1)	2	2	3
		Classification of insects	2	2	3
		Parasites	2	2	3
		Microbiology (2)	2	2	3
		Biochemistry (2)	2	2	3
		English language	2	---	2
		Baath crimes	2	---	2
		Computer (2)	2	2	3
2023-2024 /Third			2/theoretical	2/3practical	2/theoretical
		Medical plants	2	2	3
		Cell	2	2	3
		Environment	2	2	3
		Histology	2	2	3
		General fungi	2	2	3
		Plant physiology	2	2	3
		Immunology	2	2	3
		Genetics	2	2	3
		Environmental pollution	2	2	3
		Microbiology physiology	2	2	3
		Classification of	2	2	3

		fungus			
		Animal physiology	2	2	3
		Microbiology soil and water	2	2	3
		English language	2	--	2
		Basics of hematology	2	2	3
2023-2024			2/theoretical	2/3practical	2/theoretical
/Fourth					1
		Molecular biology	2	2	3
		Endocrine glands	2	2	3
		Research project (1)	2	--	2
		Microbiology genetic	2	2	3
		English language	2	--	2
		Industrial Microbiology	2	2	3
		Development	2	--	2
		Antibiotics	2	2	3
		Viruses	2	2	3
		Chordates	2	2	3
		Research project (2)	2	--	2
		Medical fungi	2	2	3
		Pathogenic bacteria	2	2	3
		Food microbiology	2	2	3

.8 Expected learning outcomes of the program

Knowledge

Learning Outcomes 1

1- Enabling students to obtain knowledge and understanding of the intellectual and skill framework of the biology Department

A2 Enabling students to obtain knowledge and

	<p>understanding of the ethics of the biology profession and applied medical sciences</p> <p>A3 - Enabling students to obtain knowledge and understanding of pathogens</p> <p>A4 - Enabling students to obtain knowledge and understanding of pathogens and their transmission methods</p> <p>A5 - Enabling students to obtain knowledge and understanding of the physical, chemical and biological causes affecting humans</p> <p>A6 - Enabling students to obtain knowledge and understanding of microorganisms and the environment affecting human health</p>
Skills	
<ul style="list-style-type: none"> - Enabling students to solve problems related to biology. 	
Ethics	
<ul style="list-style-type: none"> - Developing students' abilities to share ideas 	

.9 Teaching and Learning Strategies

Providing students with the basics and additional topics in-depth with the previous learning outcomes of skills, to solve scientific problems at the scientific level in various fields of biology.

- Applying topics studied theoretically
- Asking students during practical lessons to conduct some scientific and research investigations under the supervision of their teachers

.10 Evaluation methods

Daily and monthly exams

- Weekly reviews and participation grades for academic topics
- Grades for weekly reports and activities
- Mid-term and final exams

.11 Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Professor	Biology	Microbiology			-	
Assistant Professor	Biology	Histology			-	
Assistant Professor	Biology	zoology			-	
Assistant Professor	Biology	Plant physiology			-	
Assistant Professor	Biology	Medical microbiology			-	
Assistant Professor	Arabic	Arabic poetry			-	
Assistant Professor	Biology	Parasites			-	
Assistant Professor	Chemistry sciences	Organic chemistry			-	

Assistant Professor	Biology	Animal physiology			-	
Teacher	Biology	Environment			-	
Assistant Professor	Physics Science	Medical physics			-	
Assistant Professor	Special law	Law personal conditions			-	
Teacher	Political science	Political science			-	
Teacher	Medical microbiology	Bacterial genetics			-	
Teacher	Mathematics	algebra			-	
Teacher	Physics Science	Medical physics			-	
Teacher	Microbiology	viruses			-	
Teacher	Arabic	Methods of teaching the Arabic language			-	
Teacher	Computer	Computer software			-	
Teacher	English	Teaching methods			-	
Teacher	Chemistry sciences	analytical chemistry			-	
Assistant teacher	Chemistry Science	Biochemistry			-	
Assistant teacher	Biology	Pathogenic bacteria			-	
Assistant teacher	Agricultural Sciences	Soil			-	
Assistant teacher	Agricultural Sciences	Anatomy of a plant			-	
Assistant teacher	Biology	Plant physiology			-	
Teacher	Biology	Zoology			-	
Assistant teacher	Biology	Microbiology			-	

Assistant teacher	Biology	Bacteria			-	
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Professional Development

Mentoring new faculty members

Briefly describes the process used to mentor new, visiting, full-time, and part-time faculty at the institution and department level.

Professional development of faculty members

Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

.12 Acceptance Criterion

Central admission according to the requirements of the Ministry of Higher Education and Scientific Research

.13 The most important sources of information about the program

The central library at the university and college

- Internet information network
- Experiences of Arab and international universities
- Current curriculum

.14 Program Development Plan

- Developing students' abilities in research and investigation through field visits to health institutions and educational laboratories, as well as projects related to biology.
- Encouragement to visit the library weekly
- Reviewing reference books, sources, and scientific journals in the field of specialization

Program Skills Outline

				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
2023-2024/Second		General insects	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Anatomy of a plant	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Microbiology (1)	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Invertebrates	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Plant groups	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Biochemistry (1)	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Computer (1)	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Classification of insects	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Parasites	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Microbiology (2)	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Biochemistry	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4

2023-2024/ 222		y (2)													
		English language	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Baath crimes	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Computer (2)	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
			A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	
2023-2024/ third		Medical plants	Optional	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Cell	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Environment	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Histology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		General fungi	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Plant physiology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Immunology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Genetics	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Environmental pollution	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Microbiology physiology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		Classification of fungus	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4

	Animal physiology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Microbiology soil and water	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	English language	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Basics of hematology	Optional	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
2023-2024/fourth		Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Molecular biology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Endocrine glands	Optional	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Research project (1)	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Microbiology genetic	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	English language	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Industrial Microbiology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Development	Optional	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Antibiotics	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Viruses	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Chordates	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4

		Research project (2)	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3
		Medical fungi	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3
		Pathogenic bacteria	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3
		Food microbiology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3
		Research project (2)	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

