

# The Fifth Annual Operational Plan for the Biological Science Program

Academic Year 1447H  
(2025–2026 AD)



سُبْحَانَ اللَّهِ  
الْعَلِيِّ  
الْعَظِيمِ

## Head of the Biology Department's Message

### In the Name of Allah

The Biology Department, represented by the Bachelor of Science in Biology Program, seeks to achieve excellence in performance and to become a distinguished scientific model by embedding quality values in the fields of education, scientific research, and community service, while keeping pace with the rapid developments and emerging trends at the local, regional, and global levels in the biological sciences. Accordingly, the development of the fifth operational plan of the Biology Program is based on the objectives and indicators of the fifth executive plan of the College of Science and Arts for the academic year 2025–2026, which aims to achieve and implement the fifth executive plan of the University's second strategic plan for 2025–2026. Through this plan, the program aims to consolidate academic and professional values, promote knowledge dissemination, foster a spirit of cooperation among students and staff within the college and the university, and institutionalize these values among faculty members and administrative staff.

### Department Head

**Dr. Saeed Mohamed Alasmari**

# Operational Plan References

1. The Fifth executive plan of the university 2025-2026. [Link](#)
2. The Fourth Executive Plan Report of the College of Science and Arts – Najran University (2024–2025). [Link](#)
3. The Fifth Executive Plan of the College of Science and Arts – Najran University 2025-2026. [Link](#)
4. Final report of the Fourth operational plan of the biological science program 2024-2025. [Link](#)
5. Key performance Indicators' report for the biological science program 2024-2025. [Link](#)
6. Najran University Guide to prepare the executive and operational plans. [Link](#)
7. The annual report for the year 2024-2025 to follow up the achievement of program`s goals and mission. [Link](#)
8. The annual report on student achievement of PLOs for the year 2024- 2025. [Link](#)
9. The annual reports on the stakeholders` surveys for the year 2024- 2025. [Link](#)
10. The annual program report for the year 2024- 2025. [Link](#)

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# Strategic Frameworks



# The College's Strategic Direction

## College Mission

- Providing high-quality educational outcomes, producing distinguished scientific research, and building partnerships that serve the community and meet its needs by providing an environment that keeps pace with modern technologies, supporting governance and human resource development.

## College Objectives

1. Developing the organizational and financial environment to provide stimulating and supportive learning resources for the development of students' skills.
2. Professional development of human resources to support the educational and research process and enhance opportunities for continuing education.
3. Providing high-quality academic programs that meet the requirements of development and the needs of the labor market.
4. Developing research production to support innovation and knowledge.
5. Enhancing social responsibility and building effective community partnerships with institutions.

## Values

1. **Responsibility:** Positive interaction towards the college and the community from the reality of a sense of patriotism.
2. **Honesty:** Perform tasks faithfully and fulfill rights and duties.
3. **Transparency:** Clarity in all activities, decisions and dealings.
4. **Excellence:** performance in an elaborate and innovative manner.
5. **Creativity:** Bringing new ideas, especially in ideas, while employing what has been created in the form of a product.
6. **Empowerment:** Providing opportunities for participation for all male and female college employees in decision-making.
7. **Belonging:** Devotion to the homeland and the promotion of its principles and values in the programs and activities of the college.
8. **Integrity:** Commitment to ethical and professional principles based on Islamic law.

# The Strategic Direction of the Biology Program

## Program Mission

Preparing qualified graduates with knowledge and skills in biological sciences, and supporting research activity that meet the requirements of the community and the labor market through an advanced educational program

## General Program Objectives

1. Prepare well-qualified graduates in biological sciences and related applications.
2. Provide an educational and academic environment that supports students' learning and enhances their skills.
3. Promote social responsibility through relevant research activities and community services.

## Detailed Program Objectives

1. Provide the students with the knowledge and concepts required for a deep understanding of the biological sciences.
2. Support the students with the required cognitive, practical, and communication skills for efficiently performing scientific and experimental tasks.
3. Promote the desirable professional ethics and values in practicing knowledge.
4. Provide enough qualified teaching staff with the necessary competence and experience.
5. Supply easy access to adequate teaching and learning resources.

6. Secure suitable and safe facilities and labs to practice biological experiments and tasks.
7. Enhance the sense of social responsibility by engaging the program's students and teaching staff in community service activities.
8. Enhance research productivity and quality.





# Consistency Matrix



## Consistency matrix between the department / college objectives

<p style="text-align: center;"><b>College</b></p> <p style="text-align: center;"><b>Department</b></p>	Providing the organizational and Financial environment to provide stimulating and supportive learning resources for the development of students' skills.	Professional development of human resources to support the educational and research activities and enhance continuing education opportunities	Enhance the research productivity to support innovation and the knowledge economy.	Provide high-quality academic programs that meet the requirements of development and labor market	Enhance the sense of social responsibility and established effective community partnerships with institutions
Providing the labor market with qualified biological science graduates who are able to continue learning to advance their skills				√	
Establishing a supportive environment for students to acquire practical and laboratory skills to guarantee the quality of educational outputs that satisfy the demands of the labor market.	√	√			
Enhancing and supporting research skills and activities to produce research that keeps up with scientific developments.			√		
Strengthening the community effectiveness of the program by providing awareness-raising activities, seminars and advisory services					√

## Consistency matrix between the Department / Program Missions

<p style="text-align: center;"><b>Department</b></p> <p style="text-align: center;"><b>Program</b></p>	<p style="text-align: center;">Prepare well-trained scientifically and technically qualified graduates</p>	<p style="text-align: center;">Promote research activities that satisfy the demands of society and the labor market by providing a supportive learning environment</p>	<p style="text-align: center;">Satisfy the demands of society and the labor market by providing a supportive learning environment.</p>
<p>Prepare qualified graduates with knowledge and skills in biological sciences</p>	√		
<p>Support the research activities</p>		√	
<p>Contribution to meet the demands of society and the labor market</p>			√

## Consistency matrix between the Department / Program Objectives

<p><b>Department</b></p> <p><b>Program</b></p>	<p>Providing the labor market with qualified biological science graduates who are able to continue learning to advance their skills.</p>	<p>Establishing a supportive environment for students to acquire practical and laboratory skills to guarantee the quality of educational outputs that satisfy the demands of the labor market.</p>	<p>Enhancing and supporting research skills and activities to produce research that keeps up with scientific developments.</p>	<p>Strengthening the community effectiveness of the program by providing awareness-raising activities, seminars and advisory services.</p>
<p>Prepare well-qualified graduates in biological sciences and related applications.</p>	<p>√</p>			
<p>Provide an educational and academic environment that supports students' learning and enhances their skills.</p>		<p>√</p>		
<p>Promote social responsibility through relevant research activities and community services.</p>			<p>√</p>	<p>√</p>



**The Operational Plan details for the Biological  
Science Program  
Academic Year 1447H (2025–2026 AD)**

Axis	The University's strategic objective	The College's strategic objective	College operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator or	Starting date	End date	Support	Performance/ achievement indicators
1. Institutional Sustainability	1.1 Developing a supportive organizational environment and institutional governance that fosters excellence and enhance the university's self-generated resources.	1.1.1 Developing the organizational and digital environment to provide motivating and supportive learning resources that enhance the skills of faculty members and students.	1.1.1.1 Governance of digital transformation and cybersecurity ensures continuous improvement of all technologies and the integration of technology into the college's work environment. (Extended)	Establishing a supportive environment for students to acquire practical and laboratory skills to guarantee the quality of educational outputs that satisfy the demands of the labor market.	Provide an educational and academic environment that supports students' learning and enhances their skills.	1. Needs assessment for virtual laboratories in the Biology Department. (OP-Bio-1)	- Determining the requirements necessary to equip virtual laboratories in the Biology Department  - Organizing training programs for faculty members on the mechanisms of using virtual laboratories.	Program Plans and Curricula Committee	Department head	First semester 1447 AH	End of second semester 1447 AH	University Vice Presidency for Educational Affairs	-Identifying the courses in which virtual laboratories can be implemented after completing the training.  -Number of training courses conducted for faculty members on the use and activation of virtual laboratories.  -Surveying beneficiaries' opinions regarding the implementation of virtual laboratories.
						2. Monitoring the updating and development of the program's	Updating the department's website.	Department Website Supervisor & the College Facilities				-Percentage of updates and additions to the program's website.  -Beneficiaries' evaluation of the	

Axis	The University's strategic objective	The College's strategic objective	College operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance/ achievement indicators
						website and completing the faculty members' pages on the site. (OP-Bio-2)		and Equipment Committee				Deanship of Digital Transformation and Knowledge Resources	program's website.
1.2. Developing the capacities of the university human resources	1.2.1 Enhance the professional development of the college human resources in the college, promote opportunities for continuous development and support academic excellence.	1.2.1.1 Promote the professional growth of all human resources	1.2.1.1 Promote the professional growth of all human resources	Enhancing and supporting research skills and activities to produce research that keeps pace with scientific developments		3. Enhancing the skills of faculty members in the program (OP-Bio-3)	Preparing and implementing a training plan to develop the professional skills of Biology Department staff.	College Skills Development Committee,	Department head	First semester 1447 AH	End of second semester 1447 AH	University Vice Presidency for Educational Affairs.	-Percentage of department members who received training courses in the fields of academic and teaching development (KPI-Bio-01)
						4. Promoting academic and research excellence among faculty members in the program. (OP-Bio-4).	Proposed regulations and criteria for academic and research excellence in the department.	Development and Quality Committee + Scientific Research and Continuing Education Committee.	Department head	First semester 1447 AH	End of second semester 1447 AH	Deanship of Graduate Studies and Scientific Research	-The number of faculty members in the Biology Program who are academically and research-distinguished.  -Percentage of department staff who have

Axis	The University's strategic objective	The College's strategic objective	College operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance/ achievement indicators
	<b>1.3. Enhancing the university's ranking in global classifications.</b>	<b>1.3.1 Developing the organizational and Financial environments to support student skill development.</b>	<b>1.3.1.1. Promoting a culture of global rankings.</b>			5. Enhancing the Biology Department's research level and scientific output in line with modern trends in research and development. <b>(OP-Bio-5)</b>	<p>Participating in scientific meetings (seminars and symposia) at the college level.</p> <p>Holding regular scientific meetings and seminars in the department to activate research activities.</p>	Scientific Research and Continuing Education Committee.	Department head	First semester 1447 AH	End of second semester 1447 AH	Deanship of Graduate Studies and Scientific Research	<p>completed specialized courses on publishing in high-ranked journals.</p> <p>-Percentage of beneficiaries' satisfaction with training courses related to research activities.</p>

Axis	The University's strategic objective	The College's strategic objective	College Operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance Benchmarks
2. Distinctive teaching and learning	2.1. Providing high-quality educational outcomes that meet national developments and labor market needs.	2.1.1 Providing high-quality educational outcomes that meet national developments and labor market needs.	2.1.1.1 Enhancing the quality of the educational process to align with labor market requirements.	Providing the labor market with qualified biological science graduates who are able to continue learning to advance their skills.	1. Prepare well-qualified graduates in biological sciences and related applications.	6. Aligning Biology courses with hybrid learning to support content, activities, assessments, and learning outcomes. (OP-Bio-6)	-Monitoring course quality improvement plans and aligning courses with Blackboard.  -Activating classroom activities via Blackboard, including forums, quizzes, and interactive lectures.	-Program Development and Quality Unit + Program Plans and Curriculum Committee	Department head	First semester 1447 AH	End of second semester 1447 AH	University Vice Presidency for Educational Affairs + Deanship of Digital Transformation and Knowledge Resources	-Student satisfaction with e-learning (85%)  -Percentage of department members who have received training courses to keep pace with the implementation of hybrid learning  -Percentage of courses electronically developed and implemented under the hybrid learning system within the study plans (10%)  -Percentage of activities activated through Blackboard (50%)

Axis	The University's strategic objective	The College's strategic objective	College Operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance Benchmarks
			<p><b>2.1.1.2 Strengthening the internal quality system to ensure program accreditation and academic excellence.</b></p>	<p>Establishing a supportive environment for students to acquire practical and laboratory skills to guarantee the quality of educational output that satisfy the demands of the labor market.</p>	<p>Provide an educational and academic environment that supports students' learning and enhances their skills.</p>	<p>7. Completing program accreditation requirements and preparing for evaluation visits. <b>(OP-Bio-7)</b></p> <p>8. Periodic monitoring to ensure continuous improvement in line with the university quality manual. <b>(OP-Bio-8)</b></p> <p>9. Developing innovative and interdisciplinary academic</p>	<p>- Training faculty and students for program evaluation site visits.</p>	<p>Program Development and Quality Unit</p>	<p>Department head</p>	<p>First semester 1447 AH</p>	<p>End of second semester 1447 AH</p>	<p>Deanship of Development and Quality</p>	<p>-Percentage of department members trained for program accreditation site visits.</p> <p>-Percentage of Biology Program members involved in college and university quality committees.</p> <p>- Percentage of Completion rate of Biology Program improvement plans aligned with the university quality manual.</p> <p>-Percentage of completion of developing innovative and interdisciplinary</p>

Axis	The University's strategic objective	The College's strategic objective	College Operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance Benchmarks
						programs in Biology that align with national and regional needs. <b>(OP-Bio-9)</b>	-Developing innovative and interdisciplinary academic programs in Biology.						y academic programs in Biology.
	<b>2.2 Improving a stimulating educational environment that fosters excellence and belonging.</b>	<b>2.2.1 Improving a stimulating educational environment that fosters excellence and belonging.</b>	<b>2.2.1.1 Enhancing the quality of facilities, equipment, and learning resources in line with standards.</b>			9. Completing infrastructure requirements and providing laboratory equipment. <b>(OP-Bio-10)</b>	-Updating the department laboratories to support the educational and research processes.  -Identifying the program's needs for laboratory tools and equipment.	- College Facilities and Equipment Committee	Department head	First semester 1447 AH	End of second semester 1447 AH	University Vice Presidency for Educational Affairs	- Beneficiaries' satisfaction with learning resources (OP-Bio-7)  - Percentage of completion of the program's laboratory infrastructure.  - Student satisfaction with the services provided (KPI-I-10).

Axis	The University's strategic objective	The College's strategic objective	College Operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance Benchmarks
			2.21.2 Strengthening communication with graduates to exchange knowledge and expertise.			11. Supporting communication with program graduates. (OP-Bio-11)	- Establishing and maintaining a database for program graduates.  -Organizing meetings with program students and those expected to graduate during the academic year.  -Surveying graduates' opinions.	-College Alumni Unit	Department head	First semester 1447 AH	End of second semester 1447 AH	Vice Dean for Educational Affairs	-Number of meetings conducted by the program with its graduates during the year.

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Axis	The University's strategic objective	The College's strategic objective	College Operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance Benchmarks
3. Competitive Scientific Research	3.1. Enhancing research productivity , knowledge investment, and supporting innovation.	3.1. 1 Enhancing research productivity, knowledge investment, and supporting innovation.	3.1.1. Creating a stimulating research environment that supports innovative research aligned with Saudi Vision 2030.	Enhancing and supporting research skills and activities to produce research that keeps up with scientific development.	Promote social responsibility through relevant research activities and community services.	12. Counting the research output of department members during the year. (OP-Bio-12)	<ul style="list-style-type: none"> <li>- Counting the research publications of faculty members in the department.</li> <li>-Listing faculty members applying for academic promotion.</li> </ul>	Program Scientific Research and Continuing Education Committee	Department head	First semeste 1447r AH	End of second semeste 1447r AH	Deanship of Graduate Studies and Scientific Research	<ul style="list-style-type: none"> <li>- Percentage of publications of Faculty members (KPI-P-9)</li> <li>- Rate of published research per faculty member (KPI-P-10)</li> <li>- Citations rate in refereed journals per faculty member (KPI-P-11)</li> <li>- Percentage of teaching staff participation in training activities (KPI-Bio-01)</li> </ul>

Axis	The University's strategic objective	The College's strategic objective	College Operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance Benchmarks
						13. Training and qualifying students expected to graduate in scientific research preparation and publication. <b>(OP-Bio-13)</b>	Number of Scientific meetings and seminars with qualifying students expected to graduate in scientific research preparation and publication.						-Satisfaction of graduating students with training courses on preparing and publishing scientific research.
	<b>3.2. Developing the scientific research system.</b>	<b>3.2.1 Developing the scientific research system.</b>	<b>3.2.1.1 Establishing graduate programs aligned with standards and labor market needs.</b>			14. Feasibility study on the possibility of establishing graduate programs. <b>(OP-Bio-14)</b>							-Surveying beneficiaries' opinions on establishing graduate programs.  - Assessing available resources for establishing graduate programs.

Axis	The University's strategic objective	The College's strategic objective	college Operational objective	Department strategic objective	Program strategic objective	Program operational objective	Executive Initiatives	Implementation administrator	Follow-up administrator	Starting date	End date	Support	Performance benchmarks
<b>4. Active community partnerships</b>	<b>4.1. Enhancing social responsibility among all university members.</b>	<b>4.1.1 Enhancing social responsibility and community partnerships.</b>	<b>4.1.1.1 Promoting social responsibility and celebrating national heritage.</b>	Strengthening the community effectiveness of the program by providing awareness-raising activities, seminars and advisory services	Promote social responsibility through relevant research activities and community services.	15. Enhancing Biology Program community partnerships aligned with community needs. <b>(OP-Bio-15)</b>	-Identifying relevant entities and institutions related to the specialization (environment, agriculture, water, health, and wildlife).	Program Community Service Committee	Department head	First semester <b>1447</b> AH	End of second semester <b>1447</b> AH	-Vice Presidency for Educational Affairs - Vice Presidency for Graduate Studies and Scientific Research	- Beneficiaries' satisfaction with community services (KPI-1-22). - Rate of community programs and initiatives (KPI-1-23).
		<b>4.2.1 Building effective community partnerships with institutions and organizations.</b>					<b>4.2.1.1 Contributing to building effective community partnerships with local sectors and associations.</b>						- Enhancing opportunities for field training and research projects for program students.

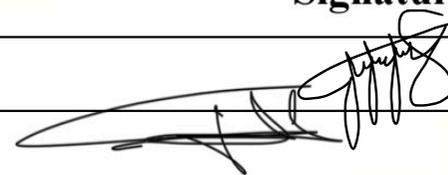
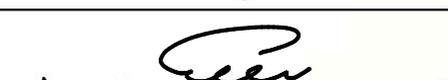


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**Plan Preparation Team**



## Operational Plan Preparation and Approval Team

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**Approved by: Council of Biology Department**

**No.: 14470618-1522-00011**

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# تمتلك مخدرات

