Academic Program Description Form

University Name: Tikrit University

Faculty/Institute: College of Agriculture

Scientific Department: Animal Production Department

Academic or Professional Program Name: Bachelor of Agricultural Sciences/Animal Production

Final Certificate Name: Bachelor of Agricultural Sciences/Animal Production

Academic System: Bologna

Description Preparation Date: 14/9/2025

File Completion Date: 14/9/2025

Signature:

Head of Department Name:

professor Dr.Tareq Khalaf Hasan Khalaf Aljumaily

Date: 14/9/2025

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Date: 14/9/2025

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Date: 14.9.2025

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Approval of the Dean

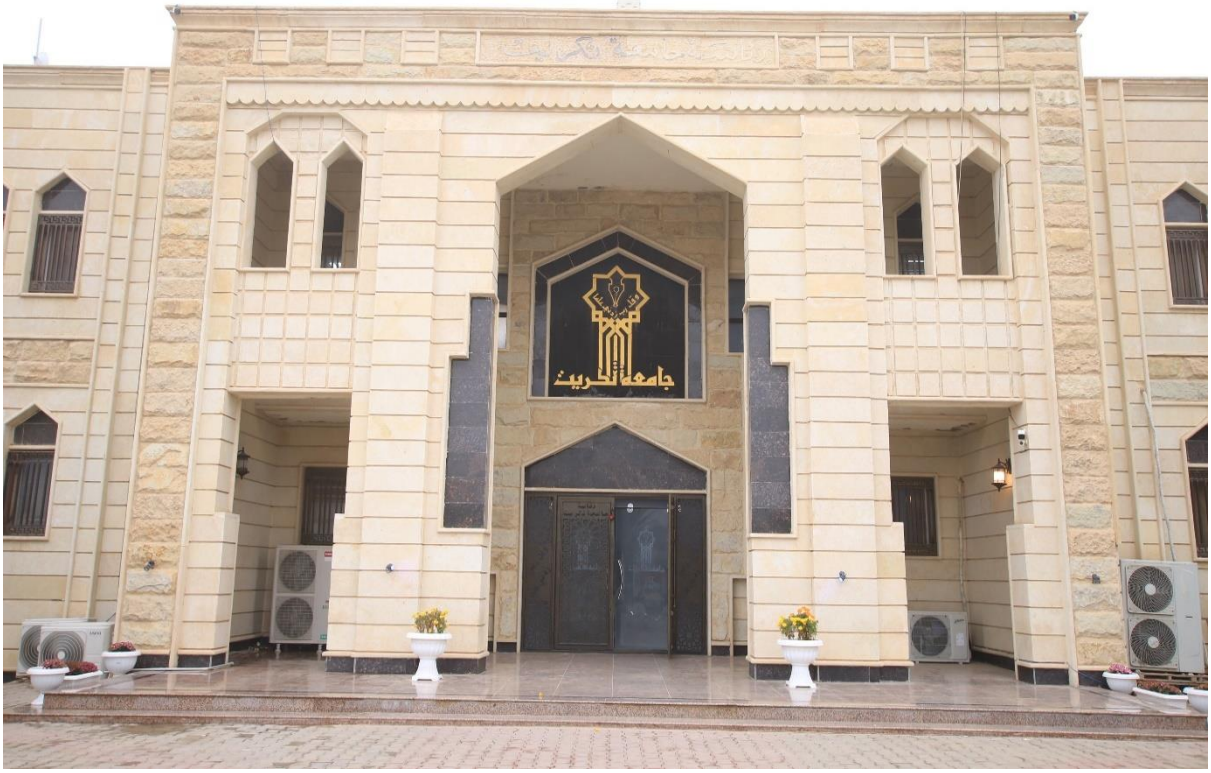
Dr. Sami Khader Saeed

14/9/2025

Undergraduate Degree Program Catalogue | 2025-2026 |

Tikrit UNIVERSITY
College of Agriculture

Bachelor's degree in Animal Production



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1. Mission & Vision Statement

Vision Statement

The Department of Animal Production aspires to achieve leadership in the animal sector, scientific research, and community service by preparing qualified personnel who possess the knowledge and applied skills necessary to develop the animal production sector and enhance food security by improving and increasing local output in line with the requirements of sustainable development and modern scientific developments.

Mission Statement

The Department of Animal Production seeks to be a leader in providing high-quality education in the fields of animal husbandry and improving its production by offering integrated scientific curricula and advanced practical training based on modern technologies and knowledge, and by encouraging applied scientific research, enabling graduates to meet the needs of the labor market and contribute effectively to the development of the animal sector and serve the community in a way that supports food security and achieves sustainable development.

2. Program Specification

Programme code:	ECO – EXT	**ECTS**	240
Duration:	4 levels, 8 Semesters	**Method of Attendance:**	Full Time

Levels of the Animal Production Program

The Bachelor of Science in Animal Production program aims to prepare graduates with progressively developed professional and academic competencies across four levels, as follows:

🔷 Level 1 (First Year): Foundation Level

Objective: To provide students with the general scientific foundations in agricultural and biological sciences.

Outcome:

•Understanding the basic principles of biology, chemistry, statistics, and computer science.

•Familiarity with the fundamental concepts of animal science and agricultural production.

•Acquiring basic skills in using scientific terminology and laboratory equipment.

•Building a general knowledge base to pursue specialization.

🔷 Level 2 (Second Year): Core Level

Objective: To build specialized knowledge in animal science, nutrition, and genetics.

Outcome:

•Familiarity with the principles of animal physiology, general genetics, and animal nutrition.

•The ability to interpret animal phenomena from a scientific perspective.

•Developing analytical skills in evaluating animal rations and feed ingredients. • Familiarity with scientific research methods and critical thinking.

🔷 Level Three (Third Year): Applied Level

Objective: To integrate theoretical knowledge with practical skills in the field of animal production.

Outcome:

•Applying scientific concepts in the management of animal farms and production projects.

•Conducting field scientific experiments in animal breeding, genetic improvement, and poultry production.

•Acquiring skills in analyzing production performance and proposing ways to improve it.

•Developing the ability to work collaboratively in research and field environments.

🔷 Level Four (Fourth Year): Professional and Research Level

Objective: To qualify the graduate to be a professional researcher and practitioner capable of serving both the academic and practical sectors.

Outcome:

•Conducting a graduation research project that addresses a real-world production problem.

•Mastering the skills of managing animal production projects and their economic evaluation.

•Applying animal welfare standards and environmental considerations in production.

•Possessing skills in scientific thinking, professional communication, and sustainable planning_____ .

Summary of Levels

Academic Year

Preparation Level

Type of Acquired Competency

First Year (Foundational - General)

Basic Knowledge in Agricultural Sciences

Second Year (Specialized - Basic)

Principles of Animal Physiology and Nutrition

Third Year (Applied)

Practical and Field Skills

Fourth Year (Professional and Research)

Advanced Scientific Competence and Professional Independence

3.Program Goals

The educational objectives of the program are as follows:

1. To provide students with scientific knowledge and skills in the fields of animal breeding, nutrition, management, and production improvement.

2. To prepare qualified personnel capable of handling and practically applying modern technologies in animal production.

3. To conduct applied scientific research that contributes to the development of the animal production sector at the local and regional levels.

4. To prepare graduates capable of entering the job market and encourage them to establish small, medium, and sustainable enterprises.

5. To develop curricula for all levels to align with the latest advancements in modern science and technology.

6. To serve the local community by holding scientific seminars aimed at raising awareness and developing the skills of breeders working in the animal sector.

7. To organize workshops and training courses for investors and farmers on a regular basis.

8. To enhance scientific cooperation between the department and state institutions and the private sector through graduate student research projects that aim to solve real problems facing the livestock sector.

9. To work on disseminating modern technologies that improve the quality and quantity of animal products.

4- Student Learning Outcomes

1- Comprehensive knowledge of economic concepts and theories related to agriculture, including market analysis, marketing strategies, agricultural policies, financial and monetary policies affecting agricultural finance, economic development in agriculture, and economic feasibility studies.
2- Understanding the principles and foundations of agricultural extension and its importance in developing the agricultural sector.
3- Understanding how to manage agricultural resources sustainably to improve productivity and efficiency.
4- Ability to design and implement effective agricultural extension programs based on the needs of farmers and rural communities.
5- Capability to conduct applied scientific studies that contribute to solving agricultural sector problems through data analysis and field research.
6- Ability to communicate effectively with farmers and various stakeholders in the agricultural sector, providing guidance and extension services.

5- Academic Staff

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6. Credits, Grading and GPA

Credits

Tikrit University follows Bologna Learning Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 240, 30 ECTS per semester. 1 ECTS is equivalent to 25 hrs student workload, including structured and unstructured workload.

Grading

Before the evaluation, the results are divided into two subgroups: pass and fail. Therefore, the results are independent of the students who failed a course. The grading system is defined as follows:

GRADING SCHEME				
Group	**Grade**		**Marks (%)**	**Definition**
Success Group (50 - 100)	A - Excellent		90 - 100	Outstanding Performance
	B - Very Good		80 - 89	Above average with some errors
	C - Good		70 - 79	Sound work with notable errors
	D - Satisfactory		60 - 69	Fair but with major shortcomings
	E - Sufficient		50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail		(45-49)	More work required but credit awarded
	F – Fail		(0-44)	Considerable amount of work required
Note:				
Number Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				

Calculation of the Cumulative Grade Point Average (CGPA)

The CGPA is calculated by the summation of each module score multiplied by its ECTS, all are divided by the program total ECTS.

CGPA of a 4-year B.Sc. degree:

CGPA = [(1st module score x ECTS) + (2nd module score x ECTS) + ……] / 24

7. Curriculum/Modules

Semester 1 | 30 ECTS

Code	Module Name in English	اسم المادة الدراسية	SSWL	USSWL	ECTS	Type	Pre-request
AGRAP01	Analytical chemistry	الكيمياء التحليلية	78	72	6.00	S	
AGRAP02	Basics of plant protection	اساسيات وقاية نبات	78	72	6.00	S	
AGRAP03	Principles of animal production	مبادئ انتاج حيواني	78	72	6.00	C	
AGRAP04	Plane surveying	مساحة مستوية	78	47	5.00	S	
UOT003	Computer Applications	تطبيقات حاسوب	63	12	3.00	B	
UOT002	English Language	اللغة الإنكليزية	33	17	2.00	B	
UOT004	Democracy and Human Rights	الديمقراطية وحقوق الانسان	33	17	2.00	B	

Semester 2 | 30 ECTS

Code	Module Name in English	اسم المادة الدراسية	SSWL	USSWL	ECTS	Type	Pre-request
AGRAP024	Organic Chemistry	كيمياء عضوية	78	72	6.00	S	
AGRAP05	Statistics	إحصاء	78	72	6.00	S	
AGRAP06	Principles of poultry	مبادئ طيور داجنة	78	72	6.00	C	
AGRAP07	Chemical Safety and Security	السلامة والامن الكيميائي	33	17	2.00	S	
AGRAP09	Zoology	حيوان عام	78	72	6.00	C	
UOT001	Arabic Language	اللغة العربية	33	17	2.00	B	
AGRAP17	Principles of Agricultural Economics	مبادئ اقتصاد زراعي	78	72	2.00	S	

Semester 3 | 30 ECTS

Code	Module Name in English	اسم المادة الدراسية	SSWL	USSWL	ECTS	Type	Pre-request
AGRAP11	Bio chemistry	كيمياء حيوية	78	97	7.00	S	
AGRAP12	Animal Production Mechanization	مكننة انتاج حيواني	78	72	6.00	S	
AGRAP13	Principles of Fish	مبادئ اسماك	78	97	7.00	C	
AGRAP14	Principles of Microbiology	مبادئ احياء مجهرية	78	47	6.00	C	
UOT007	Arabic Language 2	اللغة العربية 2	33	17	2.00	B	
UOT006	English Language 2	اللغة الإنكليزية 2	33	17	2.00	B	

Semester 4 | 30 ECTS

Code	Module Name in English	اسم المادة الدراسية	SSWL	USSWL	ECTS	Type	Pre-request
AGRAP15	Genetics	وراثة	78	72	6.00	C	
AGRAP16	Forage and pasture crops	محاصيل علف ومراعي	78	72	6.00	S	
AGRAP17	Animal product health	صحة منتجات حيوانية	78	72	7.00	C	
AGRAP18	Fish breeding and production	تربية وانتاج اسماك	78	47	6.00	C	
UOT005	Computer 2	حاسوب 2	78	72	3.00	B	
UOT008	Crimes of the Ba'ath Party	جرائم حزب البعث	33	17	2.00	B	

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