

Refined Agriculture Data

→ English only + removed what I thought would not be needed

Schools, Universities, and Institutes

The universities and schools prioritize mathematical and scientific fields, then technical mathematics, with a minimum score requirement ranging from 11 to 14 (depending on the field and chosen program). Institutes require registration directly from their websites; no other information is provided. However, they do not require a high school diploma, so being a third-year high school student is sufficient.

Universities:

1. University of Adrar
2. University of Ain Temouchent
3. University of Batna 1
4. University of Bechar
5. University of Biskra
6. University of Blida 1
7. University of Bordj Bou Arréridj
8. University of Bouira
9. University of Boumerdes → Engineering, Applied Sciences, and Technology
10. University of Chlef
11. University of Djelfa
12. University of El Oued
13. University of El Tarf
14. University of Ghardaia

15. University of Guelma
16. University of Jijel
17. University of Khemis Miliana
18. University of Khenchela
19. University of Laghouat
20. University of M'sila
21. University of Mascara
22. University of Médéa
23. University of Mostaganem → Agricultural Sciences, Marine Sciences, Social Sciences, and Humanities
24. University of Oran 1 → Engineering, Science, and Technology
25. University of Ouargla
26. University of Relizane
27. University of Saïda
28. University of Sétif 1 → Medicine, Pharmacy, Natural Sciences, and Technology
29. University of Sidi Bel Abbès → Science, Technology, Economics, and Management Sciences
30. University of Skikda
31. University of Souk Ahras
32. University of Tébessa
33. University of Tiaret
34. University of Tissemsilt
35. University of Tizi Ouzou → Human and Social Sciences, Science, and Technology
36. University of Tlemcen → Humanities, Social Sciences, Science, and Technology

University Centers:

1. University Center of El Bayadh
2. University Center of Naâma

Schools:

1. Higher School of Food Science and Agri-Food Industries, Algiers
2. Higher School of Agriculture, Mostaganem
3. National Higher School of Agriculture, Algiers

Specializations after 2 years of a common core:

- Botany: Study of plants, their classification, physiology, and interactions with the environment.
 - Rural Economics: Analysis of economic aspects related to agriculture and rural development.
 - Forestry: Sustainable management of forests and forest resources.
 - Rural Engineering: Application of engineering principles to rural development, including agricultural hydraulics and machinery.
 - Animal Production: Management and optimization of livestock breeding.
 - Plant Production: Cultivation techniques and yield improvement for cultivated plants.
 - Soil Science: Study of soil properties and management for sustainable agriculture.
 - Food Technology: Processing agricultural products into safe, high-quality food.
 - Agricultural Zoology: Study of animals harmful or beneficial to crops.
4. Higher School of Biological Sciences, Oran
 5. National Higher School of Forestry, Khenchela
 6. National Higher School of Saharan Agriculture, Adrar

7. National Higher School of Saharan Agriculture, El Oued (these are very strict, and their websites are empty)
8. National Higher School of Biotechnology, Constantine
9. National Higher School of Marine Sciences and Coastal Management, Algiers

→ Taken from: <https://www.mesrs.dz/index.php/fr/2024/07/signature-numerique-de-la-circulaire-n01-du-14-juillet-2024-relative-a-la-preinscription-et-a-lorientation-des-titulaires-du-baccalaureat-au-titre-de-lannee-universitaire-2024/>

Institutes

→ Diploma training + skill improvement + practical internships

→ Duration of two to three years (technician or senior technician)

1. Specialized Technological Institute for Agropastoral Training in Djelfa – Agropastoralism
 - Combines agriculture and livestock farming, adapted to semi-arid areas for efficient use of natural resources.
2. Specialized Technological Institute for Perennial Crops Training in Ain Temouchent – Perennial Crops
 - Focused on managing long-lifecycle crops like fruit trees and vines.
3. Specialized Technological Institute for Animal Production Training in Guelma – Animal Production
 - Teaches breeding techniques to optimize the production of meat, milk, and other animal products.
4. Specialized Technological Institute for Large-Scale Crops Training in Sétif – Large-Scale Crops
 - Focused on growing cereals and other crops on a large scale.
5. Specialized Technological Institute for Saharan Agriculture Training in Timimoun – Saharan Agriculture
 - Agricultural practices adapted to arid Saharan conditions, including irrigation and desert soil management.

6. Specialized Technological Institute for Vegetable and Industrial Crops Training in Haraoua, Algiers – Vegetable and Industrial Crops
 - Training in vegetable production and crops for the food industry.
7. Specialized Technological Institute for Ornamental Horticulture and Landscaping Training in Algiers – Ornamental Horticulture and Landscaping
 - Teaches techniques for growing ornamental plants and designing green spaces.
8. Specialized Technological Institute for Polyculture Training in Médéa – Polyculture
 - Training in crop diversification for sustainable and profitable farming.
9. Specialized Technological Institute for Oasis Agriculture Training in Touggourt – Oasis Agriculture
 - Specialization in agricultural techniques specific to oases, including water and palm grove management.

→ Taken from: <https://psl.madr.gov.dz/formation/formation-diplomante/>

Hard, Soft Skills, and Potential Interests

Technical Skills (Hard Skills):

- **Animal Science Knowledge:** Deep understanding of animal biology, nutrition, reproduction, and health.
- **Livestock Techniques:** Mastery of modern breeding methods, including feeding, housing, reproduction management, and animal welfare.
- **Natural Resource Management:** Ability to sustainably manage pastures, farmland, and water resources to optimize production while preserving the environment.
- **Use of Agricultural Machinery:** Skill in using and maintaining equipment and agricultural machines essential for daily activities.

Behavioral Skills (Soft Skills):

- **Observation Skills:** Ability to quickly detect signs of disease or stress in animals, as well as anomalies in the production environment.
- **Rigor and Organization:** Aptitude for planning and executing daily tasks efficiently while adhering to protocols and standards.
- **Adaptability:** Capacity to adjust to technological changes, evolving weather conditions, and new agricultural regulations.
- **Teamwork:** Ability to collaborate with professionals like veterinarians, agronomists, and technicians to ensure smooth farm operations.
- **Communication:** Proficiency in conveying clear and precise information to colleagues, suppliers, and customers.

Preferences and Interests:

- **Passion for Animals:** Strong interest in the welfare and management of animals is essential.
- **Commitment to Sustainability:** Desire to contribute to environmentally responsible and sustainable farming practices.
- **Interest in Agricultural Technologies:** Enthusiasm for adopting and using new technologies to enhance agricultural efficiency and productivity.
- **Enjoyment of Outdoor Work:** Preference for working outside and being comfortable in various weather conditions.