People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research

Study in Algeria

Welcome to University of Mustapha Stambouli - Mascara

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University of Mustapha Stambouli - Mascara

University of Mustapha Stambouli in Mascara was founded in 1986 as a National Institute of Higher Education (INES), specializing in agriculture.

The University went through four phases, from 1986 to 2009 :

- 1986 : The National Institute of Higher Education in Agriculture was established by Decree No. 86-173 of August 5, 1986. Approximately 93 students were enrolled, and approximately 143 students graduated in agriculture over the course of five years .
- 1992 : The institute has been promoted to a university center by Decree No. 92-302 of July 7, 1992, by opening new specializations in economics and technology.
- 2006 : The university center was reorganized by Executive Decree No. 06-273 of August 16, 2006, by the opening of new specializations in the humanities and social sciences, as well as in Natural sciences and life , in addition to technological specializations.
- 2009 : The university center was upgraded to a university comprising five faculties pursuant to Executive Decree No. 09-12 dated January 4, 2009 .

The university currently comprises seven faculties divided into 24 pedagogical departments. It also includes three university poles with a capacity of 24,600 pedagogical seats .

Faculty Of Sciences Of Nature And Life

Field of Natural and Life Sciences

Bachelor's degree

Agricultural sciences
- Animal production
- Plant production
- Plant protection

Biological sciences
- Biochemical analysis
- Microbiology

Food science
- Food, nutrition and pathology

Ecology and environment
- Ecology and environment

Master

Agricultural sciences
- Perennial crops
- Applied Phytopharmacy
- Animal protection and nutrition
- Plant protection

Food science and biotechnology
- Nutrition and dietetics, product quality and food safety
- Microbial biotechnology

Biological sciences
- Applied biochemistry

State Engineer in Agricultural Sciences

Field of Earth and Universe Sciences

Bachelor's degree

Geology
Applied geology: Hydrogeology

Master

Geology
Hydrogeology

The most important subjects taught in college

First year Licence : General and organic chemistry, cell biology, solution chemistry and thermochemistry, animal biology, plant biology, etc.

Second year Licence : Zoology, genetics, biochemistry, botany, bacteriology, biochemistry, agronomy, etc.

Third year Licence : Nutrition and pathology, food biochemistry and regulation, buildings, hygiene, and prevention

First Year Master : Methods of controlling surfactants in products, digestive physiology in farm animals,...

Second Year Master : Production techniques and breeding systems, investment in animal production, feed production and preservation, nutritional qualities of foods .

First year of State Engineering : Animal Biology, Biochemistry, Cytology and Histology, Plant Biology, ...

Second year of State Engineering : Biochemistry, Animal Biosystems, Plant Physiology, Plant Biosystems,

Faculty of Exact Sciences

Field of Computer Science and Mathematics

Bachelor's degree

Computer Science
Computer systems
Mathematics
Mathematics

Master

Computer Science
Computer systems engineering
Information systems and web technology
Networks and distributed systems
Mathematics
Mathematical analysis and applications
Géométrie différentielle et applications

Field of Materials Sciences

Bachelor's degree

Chemistry
Fundamental chemistry
Chemistry of materials
Physics
Basic physics

Master

Chemistry
Macromolecular chemistry
Catalysis
Physics
Materials Physics
Energy physics and renewable energy

State Engineer

Computer Science : Artificial intelligence

The most important subjects taught in college

Bachelor's degree

Mathematics and Computer Science: Analysis, Algebra, Algorithms and Data Structures, Information Technology and Communications, Physics, Advanced Information Systems, Information Systems, Computer Engineering, Geographic Information Systems, ...

Material Sciences : Physics, Chemistry, Mathematics, Vibrations, Waves and Optics, Green Chemistry, Applied Sciences, Organic Synthesis, Electronic Energy Transfer, ...

Master

Mathematics and Computer Science: Numerical Analysis, Matrix Theory, Algorithms and Data Structures, Information and Communication Technology, Advanced Information Systems, Information Systems, Computer Engineering, Geographic Information Systems,..... .

Material Sciences : Physics, Chemistry, Mathematics, Vibrations, Waves and Optics, Green Chemistry, Applied Sciences, Organic Synthesis, Electronic Energy Transfer, ...

State Engineer

First year: Algorithms and material structure, mathematical analysis, algebra, computer architecture and its applications, , ...

Second year : File structure and data structures, object-oriented programming, algorithms and complexity, , ...

Third year : Database engineering and management, linear and dynamic programming, basics of artificial intelligence, ...

Faculty of siences and technology

Field of Science and Technology

Bachelor's degree

Electromechanics
Electromechanics

Mechanical engineering
Mechanical construction
Energy
Materials engineering

Electronics
Electronics

Civil engineering
Civil engineering

Hydraulics
Hydraulics

Bachelor's degree

Biomedical engineering
Biomedical engineering

Telecommunications
Telecommunications

Public works
Public works

Automatic
Automatic

Process engineering
Process engineering

Electrical engineering
Electrical engineering

State Engineer

Process Engineering

Chemical Process Engineering

Electrical engineering

Electrical energy networks and sources

Mechanical Engineering
Electronics , Civil Engineering
Process Engineering

Master

Mechanical Engineering
Mechanical Construction
Energy
Materials Engineering

Electronics
Embedded Systems Electronics

Civil Engineering
Materials in Civil
Structural

Hydraulics
Hydraulic Structures
Hydraulic Resources

Biomedical Engineering
Biomedical Instrumentation

Master

Telecommunications
Networks and Telecommunications
Telecommunications Systems

Public Works
Roads and Engineering Works

Automatic
Automatic and Systems

Process Engineering
Chemical Engineering
Pharmaceutical Engineering
Environmental Process Engineering

Electronics
Electronic Networks

The most important subjects taught in college

Bachelor's degree	**First year :** Mathematics, Physics, Composition of Matter, Thermodynamics **Second year :** Waves and Vibrations, Mechanical Constructions, Mineralogical Chemistry **Third year :** Hydrogeology, Irrigation Facilities, Programmable Controllers, Power Electronics
Master's degree	**First year :** Multivariable linear systems, physical and chemical wastewater treatment. **Second year :** Theoretical foundations and biological wastewater treatment, wireless and mobile networks.
State Engineer	**First year :** Analysis, algebra, computer architecture and applications, probability and statistics, etc. **Second year :** Computer-aided design, resistance of materials, basic electronics, basic electricity **Third year :** Material transfer, basics of industrial organic chemistry, industrial mineral chemistry

The most important subjects taught in the classical system training branches

Medecine

First year

Health, Society and Humanities , Histology , Blood Physiology, Biochemistry , ……

Second year

Cardiorespiratory System, Basic Immunology , Nervous System and Sense Organs, ……

veterinary

First year

Zoology , Genetics , Cellular physiology , Chemistry Ethnology , ……

Architecture

First year

History of Architecture, space Engineering, Mathematics, Construction Physics, Project Theory , …..

As for the training programs for specializations (Doctor of Medicine, Veterinarian, State Engineer and Architect) for the third, fourth and fifth years, they will be included in the platform later, considering that these branches are still in their infancy.