

✔ Second Cycle Specializations

The second cycle at ESSBO provides a **three-year** advanced training program with three specialized tracks:

Molecular Biology: Delve into the world of nucleic acids, proteins, and genetic engineering.

Enzymatic Engineering: Master the art of enzymatic reactions and protein engineering.

Immunotechnology: Dive into the fascinating world of immunology, cellular signaling, and biomolecule engineering.

✔ Presentation of ESSBO

ESSBO is a leading institution in biotechnology and biological sciences, established by transforming the Preparatory School of Nature and Life Sciences through Executive Decree No. 304-17 on October 22, 2017. Its main objective is to provide top-notch training in molecular biology, enzymatic engineering, and immunotechnology, combining theoretical courses, practical workshops, and specialized institution internships.

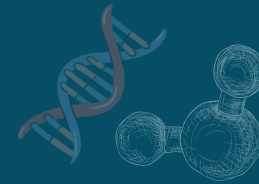
✔ Preparatory Classes

The preparatory classes at ESSBO are a **two-year** program aimed at preparing students for the school's entrance contest and equipping them with essential knowledge in biological sciences. ESSBO students are selected through an entrance contest based on their academic performance. Those from other schools or universities who have completed their first two years are required to take a written exam.



Workshops

Our workshops improve learning quality with a practical approach. They last 4 to 8 hours daily, focusing on applied work. Students work independently, presenting scientific reports to enhance analysis skills. Workshops deepen knowledge of biological molecules, secondary products, and molecular techniques.



ÉCOLE SUPÉRIEURE EN SCIENCES
BIOLOGIQUES D'ORAN

Higher School of Biological Sciences of Oran

A Gateway to Excellence in Biotechnology
and Biological Sciences...

Employability



Graduates of ESSBO have numerous career opportunities. Here are some examples:

- ✔ **Entrepreneurship:** They can establish ventures in biotechnology, agri-food, biomedicine, and industry, leveraging their biological sciences expertise for innovative products.
- ✔ **Analysis Engineer:** Graduates excel in medical, agri-food, environmental, and analytical labs, conducting research, implementing analysis methods, and ensuring quality control.
- ✔ **Teaching & Research:** obtaining a PhD to become teaching researchers in higher education institutions or conduct research in research centres..



What degree will be obtained at ESSBO?

At ESSBO, students can complete a **5-year** program and earn a **State Engineer degree** in one of three specializations: Molecular Biology, Enzymatic Engineering, or Immunotechnology. Additionally, they have the opportunity to pursue a 200-hour **Master's degree** program offered within the institution. According to decree 1275, starting from 2023, ESSBO students can propose entrepreneurial projects and earn a **startup/patent diploma** upon successful completion. This initiative aims to promote innovation and an entrepreneurial spirit among students, encouraging real-world applications of their knowledge.



Scientific Club

The ESSBO Scientific Club, "CREATIVE Minds," is a passionate community focused on biological sciences. It encourages creativity, innovation, and scientific awareness. Engaging workshops, events, and online activities unite students in shaping the future of biology and inspiring curious minds globally!

Facebook: @Club.scientifique.ESSBO



ESSBO Incubator

The ESSBO Incubator, established in 2022, supports innovative student projects in entrepreneurship. It offers comprehensive training, workshops, and certified mentorship, along with co-working space to encourage collaboration among startups. Accredited by the Ministry Delegate for Startups, it provides structured support through personalized pre-incubation and incubation programs, promoting business development.



Entrepreneurship House

The ESSBO Entrepreneurship House equips students with essential entrepreneurial knowledge and skills through workshops, courses, and collaboration with NESDA in the Oran region. It serves as a launching pad, providing targeted training, connecting students with key partners, and fostering business creation to contribute to the entrepreneurial ecosystem.

Contacts



+213-041-246-359



BP 1042 SAIM MOHAMED, Cité Emir Abdelkader (EX-INESSMO) 31000 Oran



essbo.oran@gmail.com



www.essb-oran.edu.dz



SCAN ME



Genomics Platform PLAGENOR



ESSBO Genomics Platform

Step into the fascinating world of genomic exploration at ESSBO Genomics Platform. Our state-of-the-art facility is wholly devoted to various kinds of genomic analysis. With advanced technology and the guidance of seasoned experts, we deliver precise and efficient genomic analyses.

Contact: genomicsplatform.essbo@gmail.com