



Engineering Training in Biotechnology

ENSTBB offers scientific and technical training in the field of production, purification and characterisation of high-added-value biomolecules. The programme also includes foreign language and management courses and is supported by cutting-edge research in the biotechnology of recombinant proteins for health purposes and in proteomics.

Life science engineering for tomorrow's healthcare solutions



PROGRAMME

- A programme based on theoretical and practical, scientific and technical training, so that ENSTBB engineers are prepared to work on any stage of a biotech process or synthetic biology project.
- ENSTBB engineers are also trained in management and can oversee an entire project, from technical process to budget development, while taking legislation and human resource management into account. In addition, students take part in entrepreneurial training throughout the three-year program.

INTRODUCTORY MODULES: 3RD YEAR

- Synthetic biology option: Joint "Chemistry and Bioengineering" specialisation with ENSCBP
- Possibility of obtaining a "Pharmaceutical Industry Management" Dual Degree in partnership with Grenoble School of Management
- Work-study professional training contract

PARTIAL LIST OF PROGRAMME COURSES

Biotechnology sciences and techniques

Fermentation engineering/Cell culture/Purification/Immunology/Genetic engineering/Genomics/Proteomics/Enzyme engineering/Synthetic biology

Engineering sciences

Physics/Process engineering/Instrumentation/Computer science/Bioinformatics/Biophysics/Protein NMR/Mathematics/Good manufacturing practices/Statistics

Acquisition of managerial skills

Languages/Management/Quality assurance/Human Resources/Economics/Sales-Marketing/Project management/Entrepreneurship program

EMPLOYMENT PROSPECTS: 1ST JOB

Innovation-driven careers

€40,000
average gross
annual
Starting salary
(Class of 2016)

5 weeks
average time
required to find
first job

CALENDAR

Sep Oct Nov Dec Jan Feb Mar Apr May June Jul Aug

1st year 1 to 2 months : **WORKER - OPERATOR internship**
Discover the professional world and the work of an engineer

2nd year 4 months : **PRACTICAL internship**
R&D, bioproduction, quality assurance...

3rd year 6 months : **FINAL PROJECT**

