



Master of Science in **BIOMEDICAL SCIENCES**

**UNIVERSITA' DEGLI STUDI
DELL'INSUBRIA**


<https://www.uninsubria.it/magistrale-bms>



CAREER OPPORTUNITIES

- 1 Biomedical biologist, in charge of scientific communication, counseling and marketing in drug and biotech companies or companies producing or distributing scientific equipment and biomedical devices.
- 2 PhD/ post-graduate student, in national or international PhD programmes and University post-graduate courses; other schools of specialization.
- 3 Biologist in research laboratories, in public or private organizations (Academic, Research Hospitals, drug, biotech and cosmetic companies).
- 4 Biologist in laboratories for clinical and diagnostic analyses.

BIOMEDICAL SCIENCES

 All the courses will be held in English at the University of Campus of Busto Arsizio (VA).

The course aims preparing experts in cellular and molecular biology of the human organism.

The main focus is on the modern themes of research in biomedical sciences:

- Genetic, epigenetic, physiological and pharmacological control of the functions of the cells, organs and systems in the human body;
- Pharmacological approaches to prevention and therapy of diseases;
- Novel approaches to the diagnosis and monitoring of pathological conditions.

ADMISSION REQUIREMENTS

To apply for admission, students must hold a Bachelor's Degree (Laurea Triennale) in Biology or Biotechnology or an equivalent degree (which must be obtained by December 2021).

Candidates must attend a personal interview, in which their general background knowledge will be evaluated.

Candidates must attend a preliminary "Scientific English" course in September before the course start unless they provide a valid certification (B2 level).

English website: <https://www.uninsubria.eu/lauream/course/biomedical-sciences>

STUDY PROGRAMMES

DOUBLE DEGREE PROGRAMME

In partnership with Bonn-Rhein-Sieg (BRS) University

MSc at UNIVERSITY of INSUBRIA

At University of Insubria



COMMON COURSES

Cellular Biochemistry and Proteomics*
Pharmacology
-module 1: Pharmacology & Chemotherapy
Pathology
Epigenetic Control of Gene Expression*
Advanced Quantitative Genetics
-module 1: Human Genetics & Genomics
Advances in Biomedicine

*with laboratory

MSc SCIENCE at UNIVERSITY OF INSUBRIA

The possibility of choosing among a wide array elective courses allows the students to personalize their study plan with a major focus on oncology, neuroscience or on clinically-oriented topics.

Mandatory courses:

Pharmacology
-module 2: Neuropsychopharmacology*
Advanced and Quantitative Genetics
-module 2: Quantitative Genetics
Immunopathology

Elective courses:

Clinical Chemistry
Novel Anticancer Therapies
Cellular and Molecular Oncology
Clinical Microbiology & Virology
Neuroanatomy and Neurodevelopment
Pathophysiology of the Central Nervous System
Neurobiology and Therapy of Addiction
Bioethics
Principles of Nutraceuticals and Cancer Chemoprevention
Clinical Trials in Pharmacology
Systems Biology
Animal Models and Techniques in Biomedical Research

DOUBLE DEGREE PROGRAMME

A maximum of four students will be admitted to the Double Degree Programme and will also obtain a German Master of Science Degree. Admission depends on the performance in the 1° semester. Students will attend the 2° year at Bonn-Rhein-Sieg University with no additional fees; economic support will be provided by the Erasmus Plus programme.

Clinical Chemistry
Clinical Microbiology & Virology
Pathophysiology of the CNS
Advanced Clinical Immunology
Clinical Applications
-module 1: Monitoring Clinical Trials
-module 2: Medical Proteomics
Special Fields in Biology

Info at www.h-brs.de/en

