



Master Programs

# Chemical Engineering

2021 - 2022



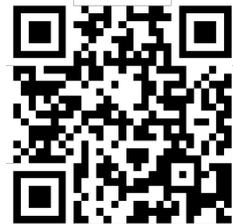
## **Biomaterials for tissue engineering**

Faculty of Engineering in Foreign Languages

The program directly addresses the staff working in the fields of materials engineering, regenerative medicine, development of prosthetic devices, biochemistry, pharmacy, and all those interested in the vast field of medical engineering and biomaterials for applications in tissue regeneration.

**Contact person:**

Conf. Dr. Eng. Alexandru Mihai GRUMEZESCU, Master Coordinator  
[agrumezescu@upb.ro](mailto:agrumezescu@upb.ro)



## **Advanced Materials Processing and Design**

Faculty of Engineering in Foreign Languages

The master program brings together basic and applied sciences disciplines. The structure of the study plan is especially developed to assure one semester of mainly basic disciplines while the most of the second semester of the first year is devoted to the main processing techniques to manufacture 0-3D materials according to their envisaged applications.

This program aims to combine chemistry, engineering, materials science with biomedical, environmental, energy, electric or electronic applications.

**Contact person:**

Prof. Dr. Eng. Anton FICAI, Master Coordinator  
[anton\\_ficai81@yahoo.com](mailto:anton_ficai81@yahoo.com)





## Smart Polymers and Biopolymers

Faculty of Chemical Engineering and Biotechnology

Smart Polymers and Biopolymers (SPB) program focuses on the companies demands from the industry of polymers and biopolymers. These refer to novel fabrication techniques for polymer products such as: advanced polymer membranes, special adhesives with higher lifetime, conductive materials with specific properties for each substrate, innovative processing methods for thermoplastics in automotive and electrochemical industry, polymeric nanomaterials with carbonic content etc.

**Contact person:**

Prof. Dr. Eng. Horia Iovu, Master Coordinator  
[horia.iovu@upb.ro](mailto:horia.iovu@upb.ro)



## Innovative Technologies for Secondary Raw

Faculty of Chemical Engineering and Biotechnology

This Master offers undergraduates in various fields of specialization: chemistry and chemical engineering, engineering sciences, economics, the opportunity to acquire professional skills, which will allow them access to economic and social life. with adequate training in the field of chemistry and chemical engineering and, in particular, innovative technologies for the identification of secondary sources of raw materials, for the sustainable development of society. Target group: technical / economic graduates.

**Contact person:**

Prof. Ovidiu OPREA, Master Coordinator

