

BIOTECH-GO Certificate

ERASMUS + Project 2016-1-BG01-KA202-023686

**Blended Learning in Bioinformatics - The SMEs Instrument for Biotech
Innovations**

BIOTECH-GO

PTM “General bioinformatics”

Profile of knowledge, skills and competences

On completion of the education/training pathway, the holder of the certificate is able to demonstrate:

Knowledge & Skills:

- Know basics of databases building;
- Understand sequence alignment data;
- Apply computational approaches to biological questions;
- Understand molecular evolution and apply mathematical modeling of biochemical systems;
- Use bioinformatics approaches: single sequence analysis and sequence characterization, pairwise alignment and DNA / protein sequence searching, multiple sequence alignment, sequence motif discovery in multiple alignments, phylogenetic analysis;
- Explore public biological databases.

Responsibility & Autonomy:

- Apply time and project management techniques;
- Show independence, self-motivation, curiosity and dedication;
- Synthesize information and compare results;
- Communicate scientific concepts and data;
- Express analytical reasoning and scientific creativity;
- Perform collaborative tasks and networking.

Official basis of the certificate	
Name and status of the body awarding the certificate	Grading scale / Pass requirements <ul style="list-style-type: none"> • On-line examination • Final grade out of 100. The full scale is used • Minimum passing grade to obtain the certificate: 60/ 100 • A final grade of 100/100 cum laude can also be obtained.
Level of the certificate EQF Level 6	International agreements
Credit points awarded 1.5	
Access to next level of education/training EQF 7 /MSc degree programmes/	