

ADVANCED
BACHELOR OF
BIO-INFORMATICS
(DISTANCE LEARNING)

ADVANCED BACHELOR OF BIO-INFORMATICS COURSES IN ENGLISH

howest
we develop people

ADVANCED BACHELOR - BRUGES Belgium (Campus Brugge Station - Rijselstraat 5)

You learn to store, process and analyze molecular biological data and - in a next step - to automate the data analysis by means of programming and scripting. Moreover, you learn to develop web applications for molecular data analysis. Because our students get a profound basis of programming skills during the educational programme, they are the (missing) link between ICT experts and molecular biologists.

Your profile: your level of education corresponds to a completed bachelor's degree with a profound knowledge of molecular biology. For example: a Bachelor of Biomedical Laboratory Science. A background in Information Technology is not required! Our one-year programme aims to convert *wet-lab* technicians into *dry-lab* technicians.

Job opportunities

As a bioinformatics technician you are a versatile employee within scientific research, with job opportunities both in private and academic research centers, including (university) hospitals.

Assets

This unique educational programme was created at the request of (academic) research centers to provide the necessary *know-how* for technicians to function in a *dry-lab* environment.



Hint: it is possible to follow the Advanced Bachelor as a remote educational programme. The programme is the same, but spread over two academic years (30 ECTS/year). This programme starts every two years, the next edition starts in 2020.

More information:

mieke.demeyere@howest.be - bit@howest.be
www.howest.be/bioinformatics
www.facebook.com/HowestBLTenBIT
050 38 12 77

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ADVANCED BACHELOR OF BIO-INFORMATICS

	SEMESTER 1A	SEMESTER 1B	SEMESTER 2A	SEMESTER 2B
PROGRAMMING	Webtechnologies (5 ECTS)	Data analysis, visualization and biostatistics using R (5 ECTS)	Scripting (5 ECTS)	
INFORMATICS	Linux operatingsystems (5 ECTS)	Database technologies (5 ECTS)	Data mining (5 ECTS)	
BIOINFORMATICS	Comparative genomic analysis (5 ECTS)	Structural bioinformatics (5 ECTS)	High throughput analysis (5 ECTS)	
			Systems biology (5 ECTS)	
TRAINEESHIP				Traineeship in Belgium or abroad (10 ECTS)

The semesters are divided into two periods (A and B) of lessons (6 weeks), each of these periods is succeeded by exams.