

## Faculty of Sciences



### SCB 11BA



#### Study objectives

The programme of this first year aims at the acquisition of basic knowledge in Sciences (Mathematics, Physics, Chemistry, Biology,...) as well as at the same transversal skills to be acquired from the bachelor's programmes in Biological, Chemical, Geographical and Bioengineering Sciences.

#### General presentation of the programme

The programme of the first quadrimester consists of compulsory courses, in common with the students of the first year of the bachelor's programmes in Biological, Chemical, Geographical and Bioengineering Sciences. During the course of the first and/or second quadrimester, the student will choose :

- either at least 3 credits from among the options offered during the first year of the bachelor's in Biological, Chemical or Geographical Sciences
- or a slightly more advanced course in Mathematics and Physics, without any additional options

#### Admission to the programme

The conditions and regular admission requirements are specified on the web page "Access to Studies" : <http://www.ucl.ac.be/etudes/libres/en/acces.html>

#### Positioning of the programme

##### Positioning of the programme within the University cursus

Successful completion of this first year entitles access, without the need for any complementary courses, to the 2nd year of the bachelor's of Biological and Chemical Sciences and of Bioengineering. The students who pass this first year of studies also have access, without any complementary courses, to the second year of the bachelor's of Geographical Sciences, provided they have followed the GEO1111 option. If this is not the case, they will add this course to the programme of their second year of studies.

#### Useful contacts

##### Programme management

CENB Conseil de l'enseignement en baccalauréat

##### Study Advisor

A. Lejeune

##### Exam Jury

President : Cl. Remacle

Secretary : A. Lejeune

#### Detailed content of standard programme

<u>BIO1111</u>	A) Cell biology and introduction to prokaryotes, protists and fungi; B) Plant biology; C) Animal biology[90h+45h] (11 credits) (in French)	Jean-Marie Kinet, André Lejeune, Jean-François Rees, Claude Remacle
<u>CHM1111</u>	General chemistry 1[60h+60h] (10 credits) (in French)	Michel Devillers, Bernard Tinant
<u>CHM1141</u>	Organic chemistry 1[30h+30h] (5 credits) (in French)	Istvan Marko
<u>BIR1130</u>	Introduction to Earth sciences[45h+30h] (6 credits) (in French)	Joseph Dufey, Philippe Sonnet
<u>ANG1861</u>	Reading and listening comprehension of scientific texts[6h] (2 credits) (in French)	Ahmed Adriouèche, Isabelle Druant, Annick Sonck

#### Activities according to choice

The students will choose :

either :

<u>MAT1111A</u>	Mathématiques générales 1[75h+60h] (11 credits) (in	Marielle Cherpion, Camille Debiève,
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	French)	Enrico Vitale
<u>PHY1113A</u>	General Physics 1[75h+75h] (12 credits) (in French)	Thierry Fichet, Jacques Lega
	<i>as well as at least three credits from among the following activities :</i>	
<u>GEO1111</u>	General geography[30h+30h] (5 credits) (in French)	Eric Lambin, Mark Rounsevell, Isabelle Thomas
<u>CHM1181</u>	Project[0h+45h] (3 credits) (in French)	N.
<u>GEO1181</u>	Project[0h+45h] (3 credits) (in French)	Jacques Charlier, Bas van Wesemael
<u>BIO1181</u>	Project[0h+45h] (3 credits) (in French)	Philippe Fonck, André Lejeune, Chantal Marchand, Jean-François Rees
<u>SC1181</u>	Computer tools and documentation research[15h+30h] (3 credits) (in French)	Daniel Peeters, Marie-Anne Van Hove
<b>or</b>		
<u>MAT1111</u>	General Mathematics[90h+60h] (13 credits) (in French)	Marielle Cherpion, Camille Debiève, Patrick Habets, Enrico Vitale
<u>PHY1113</u>	General Physics 1[75h+90h] (13 credits) (in French)	Thierry Fichet, Jacques Lega