UCL Study programme

2013 - 2014

Minor in Engineering Sciences : biomedical

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Introduction

Admission

For the specific conditions of this program : refer to the French version

Information

Learning outcomes

The aim of the minor is to help students taking a baccalaureate in engineering science - civil engineering to gain an introduction into the multidisciplinary domain of biomedical engineering. Thanks to this introduction, which will require an introduction to the living world, future bachelors in engineering science - civil engineering will understand such concepts as the bioinstrument, biomaterial, artificial organs, medical imaging, modeling biological systems, etc, and will later be able to apply them to solving basic problems in the biomedical engineering field. In particular, students should be able to go on to study for a master's in the field of biomedical engineering.

Possible trainings at the end of the programme

The minor in biomedical engineering provides access to the future master's in biomedical civil engineering for students who have obtained the bachelor's qualification in engineering science - civil engineering.

Contacts

Curriculum Managment

Entite de la structure GBIO

Acronyme	**GBIO**
Dénomination	Commission de programme- Ingénieur civil biomédical
Adresse	Place du Levant, 3 bte L5.03.02
	1348 Louvain-la-Neuve
	Tél 010 47 25 86 - Fax 010 47 25 98
Secteur	Secteur des sciences et technologies (SST)
Faculté	Ecole Polytechnique de Louvain (EPL)
Commission de programme	Commission de programme- Ingénieur civil biomédical (GBIO)

Academic Supervisor : Renaud RONSSE

Jury

Président du Jury : **Piotr SOBIESKI**

Usefull Contacts

Secrétariat : **Isabelle DARGENT**

Detailled programme

PROGRAMME BY SUBJECT

O Mandatory	⊠ Optional
△ Courses not taught during 2013-2014	⊘ Periodic courses not taught during 2013-2014
⊕ Periodic courses taught during 2013-2014	⧺ Two years course

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Les étudiants qui auraient déjà suivi LMECA 1901 dans leur majeure le remplaceront par un des cours au choix de 5 crédits minimum de la majeure en biomédical

O Contenu de la mineure

						Year 2	Year 3
O LIEPR1004A	Biologie cellulaire et éléments d'histologie (partim A FSA)	N.	45h	4 Credits	2q	x	
O LIEPR1021	Cellular physiology	Marc Francaux (coord.), Norman Heglund	30h	3 Credits	1q		x
O LIEPR1022A	Systems Physiology	N.	30h	3 Credits	2q		x
O LIEPR1024	Fundementals of neurophysiology and neuropsychology in motor control and motor learning	Julie Duque, Marcus Missal (coord.)	45h	5 Credits	1q		x
O LFSAB1225	Introduction to biomedical engineering	Philippe Lefèvre	45h	5 Credits	2q	x	
O LMECA1901	Continuum mechanics.	Philippe Chatelain, Emilie Marchandise	30h+30h	5 Credits	1q		x
O LBIR1220A	Biochimie I (partim EPL)	Michel Ghislain, Yvan Larondelle	30h+15h	5 Credits	2q	x	x

Infos