

ACTU1PM

2014 - 2015

Preparatory year for Master in Actuarial Science

At Louvain-la-Neuve - 39 credits - 1 year - Day schedule - In frenchDissertation/Graduation Project : **NO** - Internship : **NO**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **NO**Organized by: **Faculté des sciences (SC)**Programme code: **actu1pm****Table of contents**

Introduction	2
Teaching profile	3
- Learning outcomes	3
- Detailed programme	3
- Programme by subject	3
Information	5
- Admission	5
- Evaluation	6
- Possible trainings at the end of the programme	6
- Contacts	6

ACTU1PM - Introduction

Introduction

ACTU1PM - Teaching profile

Learning outcomes

L'année d'études préparatoire au master en sciences actuarielles (ACTU1PM) vise à préparer un étudiant ne possédant pas les bases requises en mathématiques, calcul des probabilités et statistique méthodologique et appliquée à entreprendre les études du master en sciences actuarielles, à finalité spécialisée. Outre les cours de base, il propose d'approfondir les connaissances de l'étudiant en statistique appliquée, finance et calcul des probabilités utiles à l'actuaire. Les activités proposées comprennent des cours théoriques, des séances d'exercices et des travaux pratiques.

ACTU1PM Detailed programme

Programme by subject

Ce programme type pourra être aménagé par le Président du Jury en fonction du parcours antérieur de l'étudiant.

⌘ *Cours de mathématiques de base (10 credits)*

⌘ LINGE1114	Mathematics I: analysis	Cécile Coyette	30h+30h	5 Credits	1q
⌘ LINGE1121	Mathematics II: algebra and matrix calculus	Tom Claeys	30h+30h	5 Credits	2q

⌘ *Cours de calcul des probabilités et de statistique (12 credits)*

⌘ LINGE1113	Probability	Johan Segers	30h+15h	4 Credits	2q
⌘ LINGE1214	Further Statistics	Christian Hafner	30h+15h	4 Credits	1q
⌘ LINGE1222	Multivariate Statistical Analysis	Johan Segers	30h+15h	4 Credits	2q

⌘ *Cours de finance (10 credits)*

⌘ LFSA1290	Introduction to financial and accounting management	Thomas Lambert (compensates Gerrit Sarens), Gerrit Sarens	30h+15h	5 Credits	2q
⌘ LLSMG2001	Finance	Giorgio Tesolin	30h	5 Credits	1q

⌘ *Cours d'informatique (4 credits)*

⌘ LINGE1225	Algorithms and Programming in Economics and Management	Marco Saerens	22.5h+22.5h	4 Credits	1q
-------------	--	---------------	-------------	-----------	----

⌘ **Cours de langue (3 crédits)**

⌘ LANGL1330	English intermediate level - 1st part	Catherine Avery (compensates Charlotte Peters), Timothy Byrne, Estelle Dagneaux, Eléonore de broux, Aurélie Deneumoustier, Fanny Desterbecq, Marie Duelz, Dominique François, Marielle Henriet, Carlo Lefevre, Sandrine Mulkers (coord.), Charlotte Peters, Marc Piwnik (coord.), Nevin Serbest, Colleen Starrs, Anne-Julie Toubeau, Albert Verhaegen	30h	3 Credits	1 ou 2q
-------------	---------------------------------------	---	-----	-----------	------------

ACTU1PM - Information

Admission

(Decree of March 31st 2004 defining higher education, favoring its integration in the European framework of higher education and refinancing universities)

The admission requirements must be met prior to enrolment in the university.

The mentioned information may of modification for 2014-2015

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail

General conditions

Access to the preparatory year on the basis of a bridging programme: see <https://uclouvain.be/fr/etudier/passerelles/recherchez-vos-passerelles.html>

students may be required to take extra courses representing a maximum of 60 additional credits. Where the extra workload exceeds 15 credits, this training is considered to be a preparatory year of study. Access to the preparatory year on the basis of **accreditation of prior learning and skills acquired through personal or professional experience** :

Article 53 of the Decree of 30 March 2004 stipulates that: "Notwithstanding article 51, without prejudice to article 60, and in accordance with a decision by the academic authorities, for the purpose of granting access to Master's studies, the competent Examination Board may accredit prior learning and skills acquired by students through their personal or professional experience. This useful experience must correspond to at least five years of activities, excluding years of higher education study that were not passed. At the end of an assessment procedure organized by the academic authorities, the Examination Board will decide whether a student has sufficient knowledge and skills to successfully pursue Master's studies."

Access to the preparatory year on the basis of accreditation of 180 ECTS credits by the Admissions Board (personalized admission based on application) for students who have a degree from a Belgian university or qualifications obtained abroad (which do not give access to this particular year on the basis of the abovementioned general conditions).

—
In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail

Specific Admission Requirements

Le programme est accessible, après appréciation par le jury, aux étudiants dont l'admission au master en sciences actuarielles n'est pas automatique, notamment :

Aux diplômés de la Communauté française de Belgique en:

- Bacheliers/Masters en sciences économiques et de gestion,
- Bacheliers/Masters en sciences informatiques

Aux diplômés délivrés par des universités hors de la Communauté française de Belgique en:

- Bachelier/Master ingénieur de gestion ;
- Bachelier/Master en sciences de l'ingénieur, orientation ingénieur civil ;
- Bachelier/Master en sciences mathématiques ;
- Bachelier/Master en sciences physiques ;
- Master en statistique

Evaluation

Erreur de transformation xhtml vers fo pour 'evaluation' erreur=org.xml.sax.SAXParseException; lineNumber: 274; columnNumber: 12; Des guillemets ouvrants sont attendus pour l'attribut "{1}" associé à un type d'élément "class".

Possible trainings at the end of the programme

Positionnement du programme:

La réussite de l'année préparatoire ouvre l'accès au master en sciences actuarielles

Contacts

Curriculum Managment

Entite de la structure LSBA

Acronyme	LSBA
Dénomination	Louvain School of Statistics, Biostatistics and Actuarial Sciences
Adresse	Voie du Roman Pays, 20 bte L1.04.01 1348 Louvain-la-Neuve Tél 010/474314 - Fax 010/473032
Site web	https://www.uclouvain.be/lbsa
Secteur	Secteur des sciences et technologies (SST)
Faculté	Faculté des sciences (SC)
Commission de programme	Louvain School of Statistics, Biostatistics and Actuarial Sciences (LSBA)

Academic Supervisor : [Michel Denuit](#)

Jury

Président : **Pierre Devolder**

Secrétaire : **Michel Denuit**

Usefull Contacts

Secrétariat des étudiants : **Sophie Malali**

