Master in Pharmacy

This programme is taught in french.

Job opportunities
- Chemist in high street or hospital pharmacy
- Chemist in pharmaceutical industries
- Analyst
- Expert at the federal agency for medicines and health product or or the Ministry of Health and Welfare
- Chemists in private or public insurance company
- Chemist in high street or hospital pharmacy
- Chemist in pharmaceutical industries
- Analyst
- Expert at the federal agency for medicines and health product or or the Ministry of Health and Welfare
- Chemists in private or public insurance company

Programme objectives
The Master in Pharmacy is the final step leading to the qualification of pharmacist, which allows graduates to work in the profession. Since pharmacy offers many different opportunities, the course is not only tailored to the internationally recognised training standards for high street and hospital pharmacy, which is a traditional path for pharmacy graduates, but also covers a range of other activities which provide career opportunities, such as jobs in the pharmaceutical industry, analytical laboratories, (clinical biology, food/nutrition, toxicology, etc.), clinical pharmacy or scientific research in the fields of biomedical and pharmaceutical sciences. Their training means that pharmacists are really the only specialists in medicinal products working for patients and their health. Their theoretical and practical knowledge is highly appreciated since it focuses on promoting and protecting human health in line with particularly strict quality standards. As the person responsible for medicines which people take, from their design through to their use, pharmacists are thorough, careful scientists. They have particularly good analytical skills in their areas of competence and are perfectly integrated into modern society, which has high health care demands and is concerned about cost and accessibility issues.

Benefits of the training
The course provides a mix of high quality training and learning for a multi-faceted job which is rapidly changing. The division into two options means that students can gear the final stages of their courses towards activities and placements which will prepare them for existing opportunities while still covering a comprehensive range of subjects. The Faculty of Pharmacy attaches a great deal of importance to pharmacy itself, as a result of the many practicing pharmacists who teach there. At the same time, it is open to other disciplines from the fields of health science, including medicine.

Practical training, up-to-date teaching practices with project-based learning and role-playing seminar to concretely learn the role of chemist.

Teaching methods
Lectures, seminar, laboratory and project-based learning

Progression per curriculum unit
The concept of a year of studies gives way to a system of accumulation of credits based on the student’s individual programme. The cycle programme is offered in units of 60 credits. The units of 60 credits are proposed as an “ideal” course of study for students enrolled in this programme.

at profil d’enseignement [http://sam-docs.ulb.ac.be/referentiels/201819/J/M-PHARS.pdf]
Cours obligatoires

MEDI-J401  Toxicologie  Véronique MATHIEU (Coordinator)
5 credits [lecture: 36h, tutorial classes: 12h]  French

MEDI-J402  Biochimie médicale et éléments d'hématologie  Frédéric COTTON (Coordinator)
5 credits [lecture: 54h, tutorial classes: 6h]  French

PHAR-J401  Etude des médicaments : médicaments organiques 2  Pierre VAN ANTWERPEN (Coordinator)
5 credits [lecture: 60h]  French

PHAR-J402  Nutrition humaine  Carine DE VRIESE (Coordinator)
5 credits [lecture: 36h, practical work: 24h]  French

PHAR-J404  Technologie pharmaceutique - Pharmacie galénique et magistrale partie 2  Karim AMIGHI (Coordinator)
5 credits [lecture: 48h]  French

PHAR-J412  Technologie pharmaceutique - Pharmacie galénique et magistrale partie 1  Karim AMIGHI (Coordinator)
10 credits [lecture: 36h, practical work: 60h]  French

PHAR-J413  Etude des médicaments : médicaments organiques 2  Pierre VAN ANTWERPEN (Coordinator)
5 credits [practical work: 60h]  French

PHAR-J430  Etude des médicaments : pharmacologie spéciale et pharmacothérapie  Ingrid LANGER (Coordinator)
5 credits [lecture: 48h]  French

An alternative chosen from the two following

Module projet pharmaceutique transdisciplinaire

PHAR-J414  Approche pratique de la biochimie médicale et de la toxicologie clinique expériementale  Frédéric COTTON (Coordinator) and Véronique MATHIEU
5 credits [practical work: 60h]  French

TRAN-J412  Projet pharmaceutique transdisciplinaire  Pierre VAN ANTWERPEN (Coordinator), Karim AMIGHI, Frédéric COTTON, Carine DE VRIESE, François DUFRAISNE, Jonathan GOOLE, Ingrid LANGER and Véronique MATHIEU
10 credits [tutorial classes: 60h, practical work: 48h, personal assignments: 48h]  French

or

Module projet de recherche

TRAN-J413  Projet de recherche  Stéphanie POCHET (Coordinator), Jean-Michel KAUFFMANN and Pierre VAN ANTWERPEN
15 credits [practical work: 108h, personal assignments: 48h]  French
# Tronc commun

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Coordinator(s)</th>
<th>Credits</th>
<th>Lectures</th>
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<tbody>
<tr>
<td>PHAR-J501</td>
<td>Législation, déontologie et éthique pharmaceutique</td>
<td>Carine DE VRIESE (Coordinator)</td>
<td>5</td>
<td>36h</td>
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<td>PHAR-J502</td>
<td>Pharmacie clinique, conseil et suivi pharmaceutique</td>
<td>Carine DE VRIESE (Coordinator)</td>
<td>5</td>
<td>36h</td>
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<td>PHAR-J526</td>
<td>Stage officinal (6 mois)</td>
<td>Carine DE VRIESE (Coordinator)</td>
<td>25</td>
<td>228h</td>
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An alternative chosen from the four following:

# Cours obligatoires

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<tr>
<td>MEMO-J520</td>
<td>Mémoire et stage complémentaire (1,5 mois) - Officine</td>
<td>François DUFASNE (Coordinator), Véronique MATHIEU and Franck MEYER</td>
<td>15</td>
<td>288h</td>
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<tr>
<td>PHAR-J900</td>
<td>Cours à option officine</td>
<td>Karim AMIGHI (Coordinator), Francis CORAZZA, Frédéric COTTON, Carine DE VRIESE, Gilles JOURQUIN, Véronique MATHIEU, Dominique PARENT, Caroline STEVIGNY, Pierre VAN ANTWERPEN and Marc VAN NUFELEN</td>
<td>10</td>
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<tr>
<td>MEMO-J521</td>
<td>Mémoire et stage complémentaire (1,5 mois) - Développement du médicament</td>
<td>François DUFASNE (Coordinator), Véronique MATHIEU and Franck MEYER</td>
<td>15</td>
<td>288h</td>
<td>0</td>
<td>French</td>
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<tr>
<td>PHAR-J901</td>
<td>Cours à option développement</td>
<td>Karim AMIGHI (Coordinator), Frédéric COTTON, Jacques DUBOIS, François DUFASNE, Cédric Delporte, Véronique FONTAINE, Gilles JOURQUIN, Jean-Michel KAUFFMANN, Véronique MATHIEU, Pierre VAN ANTWERPEN, Marc VAN NUFELEN and Nathalie WAUTHOZ</td>
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<td>48h</td>
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<tr>
<td>PHAR-J533</td>
<td>Mémoire et stage à l’étranger (3 mois)</td>
<td>François DUFASNE (Coordinator), Véronique MATHIEU and Franck MEYER</td>
<td>25</td>
<td>400h</td>
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<td>French</td>
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<tbody>
<tr>
<td>PHAR-J534</td>
<td>Mémoire et stage de recherche (3 mois)</td>
<td>François DUFASNE (Coordinator), Véronique MATHIEU and Franck MEYER</td>
<td>25</td>
<td>400h</td>
<td>0</td>
<td>French</td>
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Cours obligatoires

MEDI-J401  
Toxicologie  
Véronique MATHIEU (Coordinator)  
5 credits [lecture: 36h, tutorial classes: 12h]  
French

MEDI-J402  
Biochimie médicale et éléments d'hématologie  
Frédéric COTTON (Coordinator)  
5 credits [lecture: 54h, tutorial classes: 6h]  
French

PHAR-J401  
Etude des médicaments : médicaments organiques 2  
Pierre VAN ANTWERPEN (Coordinator)  
5 credits [lecture: 60h]  
French

PHAR-J402  
Nutrition humaine  
Carine DE VRIESE (Coordinator)  
5 credits [lecture: 54h, tutorial classes: 6h]  
French

PHAR-J404  
Technologie pharmaceutique - Pharmacie galénique et magistrale partie 2  
Karim AMIGHI (Coordinator)  
5 credits [lecture: 48h]  
French

PHAR-J412  
Technologie pharmaceutique - Pharmacie galénique et magistrale partie 1  
Karim AMIGHI (Coordinator)  
10 credits [lecture: 36h, practical work: 60h]  
French

PHAR-J413  
Etude des médicaments : médicaments organiques 2  
Pierre VAN ANTWERPEN (Coordinator)  
5 credits [practical work: 60h]  
French

PHAR-J430  
Etude des médicaments : pharmacologie spéciale et pharmacothérapie  
Ingrid LANGER (Coordinator)  
5 credits [lecture: 48h]  
French

An alternative chosen from the two following

Module projet pharmaceutique transdisciplinaire

PHAR-J414  
Approche pratique de la biochimie médicale et de la toxicologie clinique expérimentale  
Frédéric COTTON (Coordinator) and Véronique MATHIEU  
5 credits [practical work: 60h]  
French

TRAN-J412  
Projet pharmaceutique transdisciplinaire  
Pierre VAN ANTWERPEN (Coordinator), Karim AMIGHI, Frédéric COTTON, Carine DE VRIESE, François DURASNE, Jonathan GOOLE, Ingrid LANGER and Véronique MATHIEU  
10 credits [tutorial classes: 60h, practical work: 48h, personal assignments: 48h]  
French

or

Module projet de recherche

TRAN-J413  
Projet de recherche  
Stéphanie POCHET (Coordinator), Jean-Michel KAUFFMANN and Pierre VAN ANTWERPEN  
15 credits [practical work: 108h, personal assignments: 48h]  
French

Tronc commun

PHAR-J501  
Législation, déontologie et éthique pharmaceutique  
Carine DE VRIESE (Coordinator)  
5 credits [lecture: 36h]  
French
An alternative chosen from the four following

Cours obligatoires

MEMO-J520  Mémoire et stage complémentaire (1,5 mois) - Officine  François DURASNE (Coordinator), Véronique MATHIEU and Franck MEYER
  • 15 credits [personal assignments: 288h]  French

PHAR-J900  Cours à option officine  Karim AMIGHI (Coordinator), Francis CORAZZA, Frédéric COTTON, Carine DE VRIESE, Gilles JOURQUIN, Véronique MATHIEU, Dominique PARENT, Caroline STEVIGNY, Pierre VAN ANTWERPEN and Marc VAN NUFELEN
  • 10 credits [lecture: 54h, tutorial classes: 54h, practical work: 12h]  French

Cours obligatoires

MEMO-J521  Mémoire et stage complémentaire (1,5 mois) - Développement du médicament  François DURASNE (Coordinator), Véronique MATHIEU and Franck MEYER
  • 15 credits [personal assignments: 288h]  French

PHAR-J901  Cours à option développement  Karim AMIGHI (Coordinator), Frédéric COTTON, Jacques DUBOIS, François DURASNE, Cédric Delporte, Véronique FONTAINE, Gilles JOURQUIN, Jean-Michel KAUFFMANN, Véronique MATHIEU, Pierre VAN ANTWERPEN, Marc VAN NUFELEN and Nathalie WAUTHOZ
  • 10 credits [lecture: 48h, tutorial classes: 48h, practical work: 24h]  French

Cours obligatoires

PHAR-J533  Mémoire et stage à l'étranger (3 mois)  François DURASNE (Coordinator), Véronique MATHIEU and Franck MEYER
  • 25 credits [mfe/tfe: 400h]  French

Cours obligatoires

PHAR-J534  Mémoire et stage de recherche (3 mois)  François DURASNE (Coordinator), Véronique MATHIEU and Franck MEYER
  • 25 credits [mfe/tfe: 400h]  French