

**药学学科 学术学位硕士研究生（留学生）
培养方案**

**Degree Requirements for Academic Master's Program
School of Pharmacy (International Students)
(代码/ 1007 授 医学 学位)**

(Program code: 1007 Degree Medical)

一、培养目标 Goals and objectives

Our master's program goal is to prepare students for careers as ___ in a variety of roles and settings. The master's program objectives are for students to demonstrate knowledge and skills related to:

- 1.熟悉中国概况，遵守中国法律法规，具有良好的道德品质，具有较强的科学精神、事业心和奉献精神，学风严谨。Be familiar with the overview of China, abide by Chinese laws and regulations and have good moral character. In addition, be of a strong scientific spirit, a dedication and contribution spirit, and rigorous style of study.
- 2.较系统掌握本学科坚实的基础理论和专业知识，了解本学科国内外发展动态及相关学科知识。Master the solid basic theory and professional knowledge of this subject. Understand the development trend of this subject at home and abroad as well as related knowledge.
3. 培养严谨求实的科学态度和作风，掌握科学研究的基本方法与技能，具备一定的从事本学科科学研究的能力。Be of a rigorous and realistic attitude for scientific research. Master the basic scientific research methods and skills and be able to engage in the scientific research of this subject.

二、主要研究方向 Main Research Fields

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|----------------------------|--|
| 1.药物化学/Medicinal Chemistry | 2.药剂学/Pharmaceutics |
| 3.生药学/Pharmacognosy | 4.药物分析学/Pharmaceutical Analysis |
| 5.药理学/Pharmacology | 6. 中药与天然药理学 /Traditional Chinese Medicine and Natural Pharmacology |

三、学习年限及培养方式 Study years and program time limit

本学科学术学位硕士研究生的基本学习年限为3年，最长学习年限（含休学）不超过4年。培养方式为全日制，非定向。

Completion of the Master's degree requires a minimum of THREE years of full-time study, and the maximum study years for a master's student is FOUR years (including schooling suspension).

四、授课语言 Language of instruction:

授课语言为中文或英文。

The language of instruction is Chinese or English.

五、学分要求 Course and credit requirements

培养方案总学分≥38 学分，其中学位课程学分≥25 学分，研究环节学分≥13 学分。具体学分分配如下：The master's program requires a total of minimum of 38 credits, which include a minimum of 25 credits for degree courses and 13 research credits.

总学分/ Credits in Total	≥38 Credits	
学位课程 /Degree courses	≥25 credits	校级公共必修课程 /University compulsory courses ≥7 credits, including: 《中国概况》(A Survey of China) (2 credits), 《汉语》(Chinese Language) (4 credits), 《国际学生新生导入课》(Orientation Course for International Students) (1 credit).
		一级学科基础课程 8 学分/First disciplinary courses 8 credits 其中含《学术规范与论文写作》课程 / Academic Standards and Dissertation Writing: 2 Credit
		二级学科基础课程 4 学分/Second disciplinary courses 8 credits
		硕士专业课程 4 学分/Research area courses 4 credits
		跨一级学科课程 2 学分 (建议提供跨一级学科课程选修目录) /Outside first disciplinary course 2 credits
研究环节 /Research credits	≥13 credits	开题报告 1 学分/ dissertation proposal: 1 credit
		论文中期进展报告 1 学分/Dissertation Interim Report 1 credit
		参加校内外公开学术报告会或在学术会议上作报告 1 学分 /Participate in academic conferences or present academic paper at the conference: 1 credit
		学位论文 10 学分/ Dissertation 10 credits
其它	不计学分 /non-	补修课程、任选课程只计成绩，不计学分

/Additional courses	credit	/Grades of courses in this category will be presented on the transcript but no credit will be granted.
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六、课程设置、研究生环节及学分分配 Courses and research credits

药学学科 学术学位硕士研究生课程设置

类别 /Category	学分要求 Required credit	课程代码 /Course code	课程名称/Course name	是否核心课程 /Core course or not	学时 /Hours	学分 /Credits	开课季节 /Semester	开课单位/Provided by	备注
校级公共必修课程/ University elective courses	≥7	xxx	汉语/Chinese		96	4	春/秋 Spring/Autumn	国际教育学院/School of International Education	
		xxx	中国概况/ A Survey of China		32	2	春/秋 Spring/Autumn	国际教育学院/School of International Education	
		xxx	国际学生新生导入课/ Orientation Course for International Students		16	1	春/秋 Spring/Autumn	国际教育学院/School of International Education	
学位课程总分 /Degree courses ≥ 25credits	≥2		学术规范与论文写作/ Academic Standards and Dissertation Writing		32	2	秋季	药学院	
一级学科基础课程 /First disciplinary courses 8 credits	≥6		分离科学/ Separation Science	是	48	3	秋季	药学院	
			药物设计学/ Drug Design	是	32	2	秋季	药学院	
			结构解析/ Structral elucidation	是	48	3	秋季	药学院	
			药学生物技术/ Pharmaceutical biotechnology	是	32	2	秋季	药学院	
			药品质量控制/ Drug quality control		48	3	秋季	药学院	
			临床营养学 /clinical nutriology		32	2	秋季	公共卫生学院	
		Medical Biochemistry		40	2.5	秋季	基础医学院		

			高等有机化学 /Advanced Organic Chemistry	是	32	2	秋季	药学院	
二级 学科 基础 课程 /Seco nd discip linary cours es 8 credit s	≥4		临床药物动力学 /Clinical pharmacokinetics	是	32	2	秋季	药学院	
			高等药剂学/ Advanced Pharm aceutics	是	32	2	秋季	药学院	
			现代药物分析技术 /Modern technologies in pharmaceutical analysis	是	32	2	春季	药学院	
			天然药物化学研究 方法/Research Methods of Natural Products	是	16	1	秋季	药学院	
			分子生药学 /Molecular Pharmacognosy	是	32	2	春季	药学院	
			流行病学原理与方 法/Principles and methods of Epidemiology		32	2	秋季	公共卫生学院	
			中药资源学 /Resource Sciences of Medicinal Materials		32	2	春季	药学院	
硕士 专业 课程 /Res earch area cours es	≥4		中药成分代谢化学 / Metabolic Chemistry of TCM Constituents		16	1	秋季	药学院	
			中药化学成分提取 分离新技术 /Technology Used for Extraction and Separation of Chinese Medicine		48	3	秋季	药学院	
			药物合成学 /Pharmaceutical synthesis		32	2	春季	药学院	
			天然产物生物合成 /Biosynthesis of Natural Products		32	2	秋季	药学院	
			结构药理学 /Structural Pharmacology	是	16	1	春季	药学院	
			职业危害与健康/ occupational hazardous and health		32	2	秋季	公共卫生学院	
			Introduction to Medical Research		32	2	春季	基础医学院	
								

			生物偶联技术/ Bioconjugate techniques	32	2	秋季	药学院	
跨一级学科课程 /Outside first disciplinary courses	≥2		药物经济与政策研究/ Pharmacoeconomics and drug policy research	32	2	秋季	药学院	
			药事管理与法规实务/ Pharmaceutical administration and legal practice	32	2	秋季	药学院	
			预防医学进展 /Progress in preventive medicine	32	2	秋季	公共卫生学院	
			开题报告/ Dissertation proposal		1		药学院	
研究环节 /Research credits ≥13 credits	≥13 credits		论文中期进展报告 /Dissertation Interim Report 1 credit		1		药学院	
			参加校内外公开学术报告会或在学术会议 上作报告 /Participate in academic conferences or present academic paper at the conference		1			
			学位论文/ Dissertation		10			
			药理学/ Pharmacology	76	4.5	春季		药学院
其他课程	不计学分 /Non credit		药剂学/ Pharmaceutics	52	3	春季	药学院	补修课程
			波谱解析/ spectroscopy analysis	48	3	春季	药学院	

七、研究环节要求 Research progress

1. 文献阅读与开题报告 Literature Review and Thesis Proposal

包括文献阅读量、开题时间、方式。Including the amount of literature reading, the starting time and method of the thesis.

(1) 开题报告的文献最小阅读量为 40 篇，其中外文文献至少应占三分之一，文献综述

要在对别人研究成果总结和评述的基础上提出自己的研究思路和方法。The minimum number of readings in the thesis proposal is 40, of which foreign literature should account for at least one-third. The literature review should present its own research ideas and methods based on the summary and review of other people's research results.

(2) 学位论文开题报告一般在第 3 学期进行。The thesis proposal is generally conducted in the third semester.

(3) 论文开题报告应当经指导老师与导师组审阅定, 在选题、搜集资料、撰写论文提纲、拟定初稿和修改论文各个环节中, 由指导老师给予具体指导, 论文要求达到硕士学位论文应有的学术论文水平。The proposal of the thesis should be reviewed and approved by the instructor and the tutor group. In the course of selecting the topic, collecting the materials, writing the abstract, drafting the draft and modifying the thesis, the instructor will give specific guidance. Thesis of master's degree should be required to achieve the level of academic papers.

2. 中期考核报告 Middle-term Dissertation Report 包括中期考核时间、形式、考核分流办法。/ Including the mid-term assessment time (Before scholarship is offered in every October), form, assessment and diversion methods.

(1) 硕士研究生中期筛选工作一般在研究生入学后第 3 学期内完成(一般在每年 10 月国家奖学金评定之前), 研究生经本人申请、导师同意, 可延期半年进行。The middle-term dissertation report is generally completed within the third semester of postgraduate entry. Graduate students may apply for extension of the semi-annual period with their own application and the consent of the tutor.

(2) 论文进行到中期应向指导小组作中期报告, 汇报论文工作进展情况, 听取质疑与商讨改进意见, 并将中期筛选结果分为优秀、合格与不合格三个等级, 此次结果可列为优秀研究生学位论文评优的主要条件之一。An interim report should be made to the steering group in the middle term of the thesis, including presenting the progress of the paper work, listening to the questions and discussing the improvement according to the opinions. The mid-term screening results will be divided into three grades: excellent, qualified and unqualified, which is one of the main conditions for the evaluation of outstanding

3.学术交流

硕士研究生至少参加 10 次校内外的学术报告会或在学术会议上作报告 1 次。

Master students should participate in at least 10 academic activities on campus and at least 1 international academic exchanges or important domestic academic conference.

4.学术成果创新性要求 **Requirements for innovation of academic achievements:**

本学科硕士研究生申请硕士学位发表论文和其他创新成果要求见药学院文件《硕士研究生申请学位学术成果创新性要求》。

For the master's students in this discipline who want to apply for a master's degree to publish the thesis and other innovative achievements, the document "Innovative Requirements of Academic Achievements for Master's Students Applying for a Degree" should be referred to.

八、学位论文 **Dissertation**

本学科学术型硕士研究生的学位论文应为实验研究性论文。

The dissertation of an academic master student in this discipline should be an experimental research dissertation.

(1) 论文选题应属于本学科专业相关研究方向的基础研究或应用研究课题，有较大的理论意义或应用价值，对学科发展或国家需求有重要学术意义或应用价值；
The topic selection of the thesis should belong to the basic research or applied research topic of the relevant research direction of the subject, which has great theoretical significance or application value, and has important academic significance or application value to the development of the discipline or the needs of the country;

(2) 论文内容应体现论文作者具有药学学科较宽广的基础理论和系统深入专门知识，并对所研究领域的前沿动态和发展趋势有广泛了解。论文应有作者本人创造性思维，主要研究结果应具有创造性；
The content of the thesis should reflect the author's extensive basic theory and systematic in-depth expertise Pharmacy, and have a broad understanding of the frontier dynamics and development trends of the research field. The paper should have the author's own creative thinking, and the main research results should be creative;

(3) 论文应具有系统性和完整性，表达清楚，论证严谨，引文准确、全面，行文规范。 / The thesis should be systematic and complete, with clear expression, rigorous argumentation, accurate and comprehensive citations, and standardized writing.

九、毕业结业及授予学位要求 **Diploma and Degree requirements**

1.毕业：研究生在规定的学习年限内，完成培养方案规定内容，考核合格，且学位论文答辩通过，经院学位审议委员会或党政联席会审核，学校审批，准予毕业并发给毕业证书。 Within the prescribed period of study, graduate students who have completed the training program and passed the thesis/dissertation defense, be reviewed by the Academic Degree Assessment Sub-committee or the Party-government Joint committee, be approved by the university, can be granted the graduation certificate.

2.授予学位：达到学位授予条件的，可按程序申请学位。未达到学位授予条件的，毕业后一年内若达到学位授予条件，可按程序申请学位。毕业后申请学位仅限一次。Students who meet the requirements for granting academic degrees, can apply for an academic degree according to the procedures. Those who do not meet the requirements of degree conferment can apply for a degree according to the procedures, if they meet the requirements of degree conferment within one year after graduation. Students only have one chance to apply for a degree after graduation.

3.结业：研究生在校学习已满基本学习年限且在最长学习年限内，未达到毕业要求但符合结业要求的，可申请结业。具体按学校学籍管理有关规定执行。Within the maximum study period, students who have completed the basic study period, fail to meet the graduation requirements but meet the completion requirements, can apply for completion certificate. It shall comply with the relevant regulations of the university. It shall be implemented according to the relevant regulations of the university's management of student status.

十、其它要求 **Other requirements**

其它培养环节执行学校有关规定。 The relevant provisions of the university are implemented for the other training aspects.