

法语专业 2021 版本本科培养方案

Undergraduate Education Plan for French Major (2021)

专业名称	法语	主干学科	法语
Major	French	Major Disciplines	French
计划学制	四年	授予学位	文学学士
Duration	4 Years	Degree Granted	Bachelor of Arts
所属大类	外国语言文学类	大类培养年限	1 年
Disciplinary	Foreign Languages	Duration	1 Year

最低毕业学分规定

Graduation Credit Criteria

课程分类 Course Classification 课程性质 Course Nature	公共基础课程 Public Basic Courses	通识教育课程 Public Courses	大类课程 Basic Courses in General Discipline	专业教育课程 Specialized Courses	个性课程 Personalized Course	专业教育集中性实践教学环节 Specialized Practice Schedule	课外学分 Study Credit after Class	总学分 Total Credits
必修课 Required Courses	23	\	27	58	\	19	10	180
选修课 Elective Courses	\	9	\	18	6	\	10	

一、培养目标与毕业要求

I Educational Objectives & Requirement

(一) 培养目标

本专业旨在培养德智体美劳全面发展的社会主义建设者和接班人，具备扎实的法语语言理论、专业知识和实践能力，具有开阔的国际视野和良好的综合素质，适应我国对外交流和社会经济发展，能在外事、经贸、教育、文化、新闻出版、旅游与工业（特别是建筑、材料、汽车）等行业从事教学、研究、翻译和管理工作的高级专业人才。

学生毕业 5 年左右能达到：

- (1) 具有良好的职业素养和社会责任感，有意愿并有能力服务社会；
- (2) 能够独立从事法语教学工作及法语语言文学及相关领域的科研工作；
- (3) 具有较高翻译能力，能够独立完成较高难度文本笔译工作或较高层次口译工作；
- (4) 能够在外事、经贸、文化推广、综合管理等工作团队中担任主要组织管理角色；
- (5) 能够通过多种渠道不断更新知识，实现语言能力和工作实践能力的提升。

This major aims to cultivate socialist builders and successors who have comprehensive development of morality, intelligence, physical education, art, and labor. They have solid French language theory, professional knowledge and practical ability, have a broad international vision and good comprehensive qualities, and are suitable for my country's foreign exchanges and exchanges. Socio-economic development, senior professionals who can engage in teaching, research, translation and management in foreign affairs, economics and trade, education, culture, press and publishing, tourism and industry

(especially construction, materials, automobiles) and other industries.

The learning objectives are as follows:

- (1) To have a righteous political and moral quality and a good understanding of guidelines of law as well as legal regulations in our country.
- (2) To have a comprehensive knowledge in French, especially the skills in listening, speaking, reading, writing and translation; to have ability to conduct a good cross-cultural communication and to express clearly in Chinese.
- (3) To have the ability of implementation, including collection, analysis, judgment and induction; to have the ability to use information and problem solving; logical thinking ability, literature appreciation, criticism and other basic skills are also required; to have strong sense of innovation and creativity.
- (4) To have the ability of conducting basic researches; able to use scientific thinking and research methods; to have realistic and innovative spirit and sense of professional disciplines; master document retrieval, basic methods of data searching, preliminary scientific research and practical work.
- (5) To have a professional and comprehensive ability, including linguistics, literature, humanity and basic knowledge of science and technology, and have a good literacy accomplishment and lifelong learning spirit.

(二) 毕业要求

- (1) 法语语言知识：具有扎实的专业基础知识，包括法语语音、语法、词汇、篇章结构、语言功能等基础知识；了解语言的本质特征，掌握法语使用的“常规”和“变异”，及其在各种文体中所表现出的规律；
- (2) 英语语言知识：掌握较扎实的英语语言知识，包括语音、词汇、语法、篇章等基础知识，以及听、说、读、写、译等语言技能；具备以交际为核心的语言运用能力和跨文化交际能力；
- (3) 文学和文化知识：了解法国主要文学思潮和流派、重要作家和作品及其影响，熟悉现当代法国重要作家及其代表性的作品；熟知我国国情，包括中国的传统文化、中国当代的政治制度、政策方针等；了解法国及其他法语国家地区社会文化，包括人文地理概况、发展历史、政治体制、宗教及教育制度等；
- (4) 听说能力：能准确听懂讲法语人士的话语，辨别说话人的态度和语气，掌握法国法语，欧洲法语国家（地区）法语，加拿大法语和原法属殖民地非洲国家法语的读音差别，熟悉法语其他方言读音。能用法语清晰、流畅、准确、得体地表达自己的观点，交流思想，交换信息；具备一定的法语演讲与辩论能力；
- (5) 读写能力：在法语阅读能力方面，掌握一定的法语阅读技巧，达到一定的阅读速度、准确度；在法语专业写作能力方面，能正确熟练地利用写作知识与技巧以及各种衔接手段，连贯地表达思想；在法语实用文体写作方面，做到内容充实，语言通顺，用词恰当，表达得体；同时具备一定的法语学术论文阅读及写作能力；
- (6) 翻译技能：在笔译能力方面，能自觉运用翻译理论与技巧进行翻译实践；在口译能力方面，认识口译的性质、对象、程序、原则和方法，并初步掌握口译技能；同时具备较好的汉语

表达能力；

- (7) 思辨能力：具有逻辑思维和辩证思维的能力，具有批判意识和求真务实的科学思维方法，具有创新意识，掌握基本的创新方法以及较强的获取知识、解决问题的能力；
 - (8) 研究能力：能掌握文献检索、资料查询的基本方法，具备初步进行科学研究和实际工作能力；了解学术研究目的、分类和基本研究方法；
 - (9) 跨文化交际及沟通能力：能够运用法语进行有关政治、经济、文化、外交等方面的表达、沟通和交流；能够根据跨文化的不同场景和交往对象进行得体的口头与书面交流；尤其在进出口贸易和国际合作领域具备一定的法语沟通能力；
 - (10) 团队协作能力：能够在多学科背景下的团队中承担个体、团队成员以及负责人的角色；
 - (11) 终身学习能力：具有自主学习和终身学习的意识，有不断学习和适应发展的能力；
 - (12) 职业素养：良好的思想素质、道德素质、身体素质、心理素质，较强的法制观念和诚信意识；具有较高的人文社会科学素养、社会责任感，能够在教学、科研、翻译或管理工作中理解并遵守相关职业道德和规范、履行责任。
- (1) have solid basic knowledge of French major, including the basic knowledge of French phonetics, grammar, vocabulary, text structure, language function and the essential characteristics of ideation, language knowledge and theory; understand the various types of French function, master the language with "normal" and "variant" usage of language, as well as the rules reflected in all sorts of language style; understand the main literary trends and schools, know the important writers in French literature, history and their effects; be familiar with the representative works of contemporary important writers.
 - (2) master relatively solid English language knowledge, including basic knowledge of phonetics, vocabulary, grammar, text, etc., as well as language skills such as listening, speaking, reading, writing, and translation; have the ability to use communication as the core language and cross-cultural Communicative competence.
 - (3) be familiar with the national, social and cultural status quo of our country and French speaking countries, including China's traditional culture, contemporary Chinese political system and policies; understand France and French speaking countries from different aspects (humanity geography, history, political system, religion, culture and education system); understand contemporary French culture, including contemporary politics and economy etc.
 - (4) have good listening and speaking skills in French, including good understanding of native French speaker, recognition of the speaker's tone and attitude, knowledge of French language spoken in different countries, identifying of pronunciation differences and the ability to use French appropriately.
 - (5) have solid writing and reading ability. As for reading ability, students have to master certain French reading skills, reach a certain reading speed and accuracy; as for writing ability, they have to use certain writing knowledge and skills as well as various cohesive devices correctly, and coherently express their ideas in French; with regards to practical style of writing ability, they have to enrich the content, keep the language fluent, and use appropriate expression with proper words in academic writing.

- (6) have a good translation skill in French. As for written translation, they have to learn translation theories and skills and use them in practice. Understand the nature of interpretation, including its objectives, procedures, principles, methods, and preliminarily handle interpreting skills while at the same time have a good expression skill in Chinese.
- (7) can think in a logical and dialectical way with scientific thinking method aiming at critical, and pragmatic mode of thought. Use innovation as a basic method of acquiring knowledge and solving problems.
- (8) master basic methods of literature search, and data query; capable of doing preliminary scientific research and practical work; acquire capabilities in preliminary scientific research, purpose understanding and classification of academic research; have the understanding of academic paper and its methods.
- (9) reach a high level of cross-cultural communication, including the ability to use French and relevant political, economic, cultural, and diplomatic expressions in French; be good at communication and exchange; can appropriately use oral and written communication skills according to different cultural backgrounds; acquire French skills in foreign trade and international cooperation field.
- (10) The spirit of teamwork. Be able to study in teams as individual, team member as well as leader in cross-disciplines background
- (11) have good self-cultivation in liberal arts and awareness of lifelong learning.
- (12) have high quality accomplishments in art and literature; able and willing to think and communicate in modern society; be healthy both mentally and physically. have good self-cultivation in courtesy and literature; have good mental and physical health; have strong legal awareness and sense of integrity. have a broad knowledge of humanities, social science, and certain parts of natural science, including literature, history, philosophy, art, moral, law, sociology, and psychology; have relevant knowledge of natural science and foreign trade.

附：培养目标实现矩阵

	培养目标 1	培养目标 2	培养目标 3	培养目标 4	培养目标 5
毕业要求 1	√	√			√
毕业要求 2	√			√	√
毕业要求 3	√	√		√	
毕业要求 4		√	√	√	
毕业要求 5		√	√		√
毕业要求 6	√	√	√		
毕业要求 7		√		√	√
毕业要求 8		√			√
毕业要求 9	√			√	√
毕业要求 10	√		√	√	
毕业要求 11	√			√	√
毕业要求 12	√	√			√

二、专业核心课程与专业特色课程

II Core Courses and Characteristic Courses

(一) 专业核心课程:

基础法语、法语视听入门、基础法语精读、法语视听说、法语泛读、高级法语精读、翻译理论与技巧。

Elementary French, Introduction to French Movies, Listening and Speaking, Fundamental intensive reading of French, French Movies, Listening and Speaking, Extensive reading, Profound intensive reading of French, Translation Theory and Techniques.

(二) 专业特色课程:

科技法语阅读、科技法语翻译、法国概况、非洲法语国家与地区概况。

Technology French reading, Translation Science and Technology French, Introduction to France, Introduction to Francophone Africa.

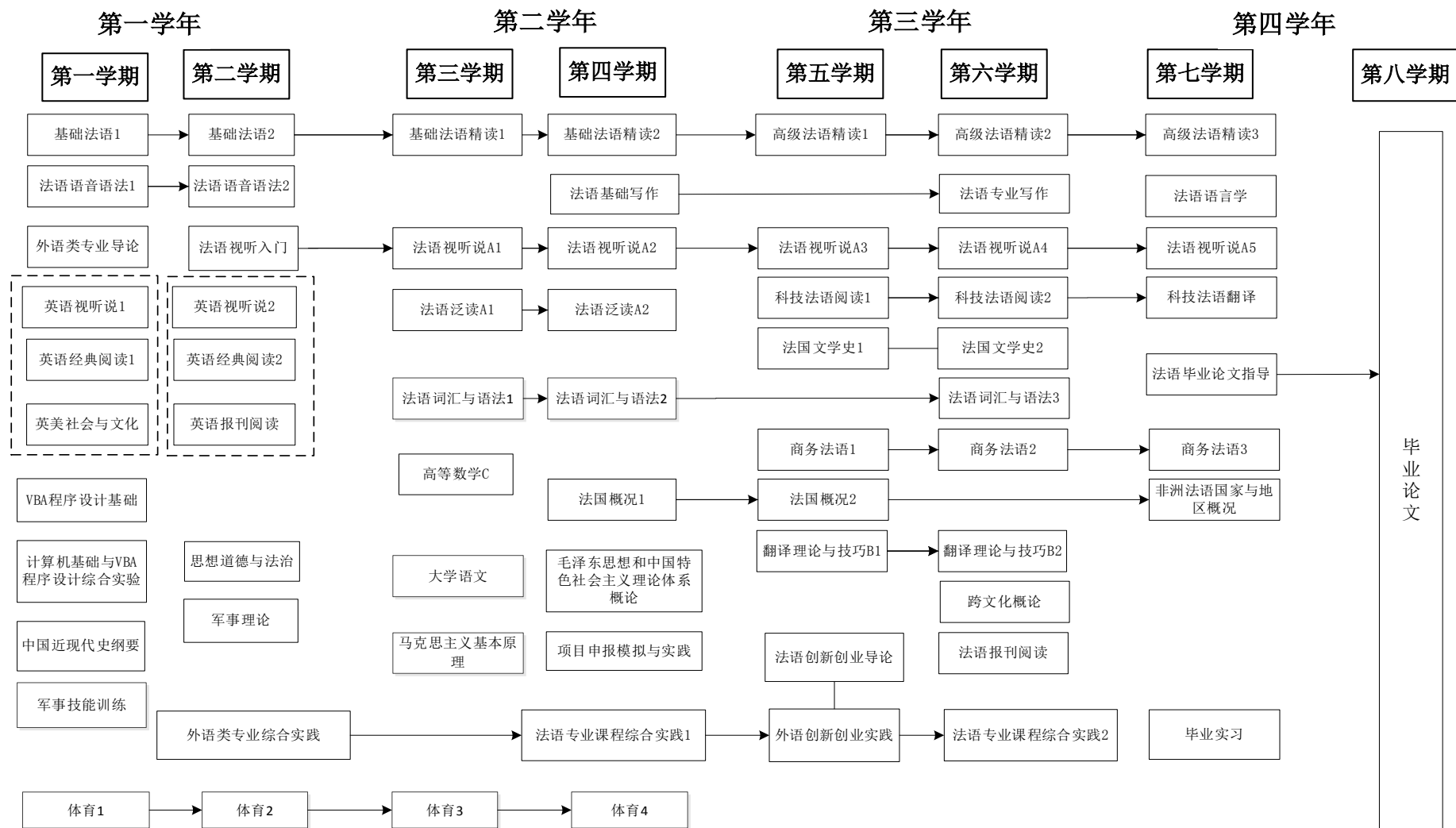
附：毕业要求实现矩阵:

专业 核心 课程	专业 特色 课程	课程名称	法语专业毕业要求											
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		思想道德与法治										H	L	M
		中国近现代史纲要			M				H			L		M
		毛泽东思想和中国特色社会主义理论体系概论							H		M			L
		马克思主义基本原理			M				H			L		
		军事理论							M				H	L
		体育 1										H	L	M
		体育 2										H	L	M
		体育 3										H	L	M
		体育 4										H	L	M
		VBA 程序设计基础							M	H				L
		计算机基础与 VBA 程序设计综合实验							M	H				L
		高等数学 C							H	M				L
√		法语视听入门	M			H					L			
		英语视听说 1		H					M		L			
		英语视听说 2		H					M		L			
		英语经典阅读 1		H	M					L				
		英语经典阅读 2		H	M					L				
		英美社会与文化		H	L		M							
		英语报刊选读		H					L		M			
		外语类专业导论					M		H	L				
√		基础法语 1	H			M	L							
√		基础法语 2	H			M	L							
		法语语音语法 1	M			H	L							
		法语语音语法 2	M			H	L							
√		基础法语精读 1	H			L	M							
√		基础法语精读 2	H			L	M							

专业 核心 课程	专业 特色 课程	课程名称	法语专业毕业要求											
			(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
√		法语泛读 A1	M		H		L							
√		法语泛读 A2	M		H		L							
		法语词汇与语法 1	H				M		L					
		法语词汇与语法 2	H				M		L					
		法语词汇与语法 3	H				M		L					
√		高级法语精读 1	H		L		M	L						
√		高级法语精读 2	H		L		M	L						
√		高级法语精读 3	H		M		M	L						
		法语创新创业导论	M						H	L				
√		翻译理论与技巧 B1	M					H	L					
√		翻译理论与技巧 B2	M					H	L					
		法语毕业论文指导	M				M		L	H				
		大学语文			M				H					L
		法语基础写作	M				H		L					
		法语专业写作	M				H		L	L				
√		法语视听说 A1	M			H					L		L	
√		法语视听说 A2	M			H					L		L	
√		法语视听说 A3	M			H					L		L	
√		法语视听说 A4	M			H					L		L	
√		法语视听说 A5	M			H					L		L	
		法国文学史 1	M		H		M			L				
		法国文学史 2	M		H		M			L				
	√	科技法语阅读 1	M				H	L						
	√	科技法语阅读 2	M				H	L						
	√	科技法语翻译	M		L		M	H						
		商务法语 1	M				H	L				L		
		商务法语 2	M				H	L				L		
		商务法语 3	M				H	L				L		
		跨文化概论			H		L		L		M			
		法语语言学	H				M			M				L
		法语报刊阅读	M		L		H							
		法国概况 1	M		L		H				L			
		法国概况 2	M		L		H				L			
		非洲法语国家地区概况	L		H		M				M			
		军事技能训练							L			M	H	
		外语类专业综合实践									M		H	L
		法语专业课程综合实践 1	L								M		H	L
		项目申报模拟与实践							M	H		L		
		法语专业课程综合实践 2	L								M		H	L
		外语创新创业实践									M		H	L
		毕业实习	L						M			H	H	
		毕业论文	M				H		L	H				

三、课程教学进程图

III Teaching Process Map



四、教学建议进程表

IV Course Schedule

(一) 公共基础必修课程 1 Public Basic Compulsory Courses											
开课单位 Course college	课程编号 Course Number	课程名称 Course Title	学分 Crts	学时分配 Including						建议 修读学期 Suggested Term	先修课程 Prerequisite Course
				总学 时Tot hrs.	理论 Theory	实验 Exp.	上机 Ope- ration	实践 Prac- tice	课外 Extra- cur		
马克思主义学院	4220002180	中国近现代史纲要 Outline of Contemporary and Modern Chinese History	2.5	42	42					1	
马克思主义学院	4220001210	思想道德与法治 Morality and the rule of law	2.5	42	42					2	
马克思主义学院	4220005180	马克思主义基本原理 Marxism Philosophy	2.5	42	42					3	
马克思主义学院	4220003180	毛泽东思想和中国特色社会主义理论体系 概论 Introduction to Mao Zedong Thought and Socialism with Chinese Characteristics	4.5	66	66					4	
体育部	4210001170	体育1 Physical Education I	1	32						1	
体育部	4210002170	体育2 Physical Education II	1	32						2	体育1
体育部	4210003170	体育3 Physical Education III	1	32						3	体育2
体育部	4210004170	体育4 Physical Education IV	1	32						4	体育3
计算机智能学院	4120341170	VBA程序设计基础 Foundation of VBA Programming	2	32	32					1	
计算机智能学院	4120342170	计算机基础与VBA程序设计综合实验 Comprehensive Experiments of Foundation of Computer and VBA Language Programming	1	32		32				1	
学工部	1050001210	军事技能训练 Military Training	2	136				136		1	
学工部	1050002210	军事理论 Military Theory	2	32	32					2	
小 计 Subtotal			23	552	256	32	0	136	0		
(二) 通识教育选修课程 2 General Education Elective Courses											
核心选修 Core elective courses	文明与传统类Civilization and Tradition Courses		通识课程应修满至少9学分。核心选修不少于2学分；自主选修课程中，至少在艺术与审美、创新与创业两个领域各选修1门课程。 Minimum subtotal credits: 9. Core elective courses ≥2 credits. Self-selected courses, at least 1 course in art and aesthetics and 1 course in innovation and entrepreneurship.								
	社会与发展类Society and Development Courses										
	艺术与人文类Art and Humanities Courses										
	自然与方法类Nature and methods Courses										
自主选修 Self-selected courses	数学与自然科学、哲学与心理学、法学与社会科学、经济与管理、历史与文化、语言与文学、艺术与审美、创新与创业 Mathematics and Natural Sciences, Philosophy and Psychology, Science and Social Sciences, Economics and Management, History and Culture, Language and Literature, Art and Aesthetics, Innovation and Entrepreneurship										
(三) 大类必修课程 3 Basic Discipline Required Courses											
外语学院	4030273170	英语视听说1 English Movies, Listening and Speaking I	2	32	32					1	
外语学院	4030184140	英语视听说2 English Movies, Listening and Speaking II	2	32	32					2	英语视听说1
外语学院	4030275170	英语经典阅读1 English classical reading I	3	48	48					1	
外语学院	4030276170	英语经典阅读2 English classical reading II	2	32	32					2	英语经典阅读1

开课单位 Course college	课程编号 Course Number	课程名称 Course Title	学分 Crs	学时分配 Including						建议 修读学期 Suggested Term	先修课程 Prerequisite Course
				总学 时Tot hrs.	理论 Theory	实验 Exp.	上机 Ope- ration	实践 Prac- tice	课外 Extra- cur		
外语学院	4030277170	英美社会与文化 British and American Society and Culture	2	32	32					1	
外语学院	4030278170	英语报刊选读 Selected Reading of English Journals	2	32	32					2	
外语学院	4030272170	外语类专业导论 Introduction to Specialty	1	16	16					1	
外语学院	4030279170	基础法语1 Elementary French I	4	64	64					1	
外语学院	4030292170	基础法语2 Elementary French II	4	64	64					2	基础法语1
外语学院	4030281170	法语语音语法1 French grammatical pronunciation I	2	32	32					1	
外语学院	4030291170	法语语音语法2 French grammatical pronunciation II	1	16	16					2	法语语音语法1
外语学院	4030293170	法语视听入门 French Movies, Listening and Speaking	2	32	32					2	
小 计 Subtotal			27	432	432	0	0	0	0		
(四) 专业必修课程 4 Specialized Required Courses											
外语学院	4030294170	基础法语精读1 Fundamental Intensive Reading of French I	8	128	128					3	
外语学院	4030295170	基础法语精读2 Fundamental intensive reading of French II	8	128	128					4	基础法语精读1
外语学院	4030299170	法语视听A1 French Movies, Listening and Speaking I	4	64	64					3	法语视听入门
外语学院	4030296170	法语泛读A1 Extensive French I	2	32	32					3	
外语学院	4030297170	法语泛读A2 Extensive French II	2	32	32					4	法语泛读A1
外语学院	4030047210	法语词汇与语法1 French Vocabulary and Grammar I	2	32	32					3	
外语学院	4030048210	法语词汇与语法2 French Vocabulary and Grammar II	2	32	32					4	法语词汇与语法1
外语学院	4030014110	法国概况1 Introduction to France I	2	32	32					4	
外语学院	4030051210	跨文化概论 Introduction to cross-cultural	2	32	32					6	
外语学院	4030036110	高级法语精读1 Advanced Intensive French I	5	80	80					5	
外语学院	4030037110	高级法语精读2 Advanced Intensive French II	4	64	64					6	高级法语精读1
外语学院	4030038110	高级法语精读3 Advanced Intensive French III	4	64	64					7	高级法语精读2
外语学院	4030374170	法语创新创业导论 Innovation theory for Foreign Language Majors	2	32	32					5	
外语学院	4030429110	翻译理论与技巧B1 Translation Theory and Techniques I	2	32	32					5	
外语学院	4030430110	翻译理论与技巧B2 Translation Theory and Techniques II	2	32	32					6	翻译理论与技巧 B1
外语学院	4030016110	法国文学史1 History of French Literature I	2	32	32					5	

开课单位 Course college	课程编号 Course Number	课程名称 Course Title	学分 Crts	学时分配 Including					建议 修读学期 Suggested Term	先修课程 Prerequisite Course	
				总学 时Tot hrs.	理论 Theory	实验 Exp.	上机 Ope- ration	实践 Prac- tice			课外 Extra- cur
外语学院	4030089110	商务法语1 Business French I	2	32	32					5	
外语学院	4030376170	法语语言学 French linguistic	2	32	32					7	
外语学院	4030019110	法语毕业论文指导 Introduction to Graduation Thesis	1	16	16					7	
小 计 Subtotal			58	928	928	0	0	0	0		
(五) 专业选修课程 5 Specialized Elective Courses											
理学院	4050067110	高等数学C Advanced Mathematics	5	80	80					3	
法学社会学院	4020013110	大学语文 College Chinese	3.5	56	56					3	
外语学院	4030334170	法语基础写作 French Basic Writing	2	32	32					4	
外语学院	4030033110	法语专业写作 French Professional Writing	2	32	32					6	
外语学院	4030300170	法语视听说A2 French Movies, Listening and Speaking II	4	64	64					4	法语视听说A1
外语学院	4030301170	法语视听说A3 French Movies, Listening and Speaking III	2	32	32					5	法语视听说A2
外语学院	4030302170	法语视听说A4 French Movies, Listening and Speaking IV	2	32	32					6	法语视听说A3
外语学院	4030303170	法语视听说A5 French Movies, Listening and Speaking V	2	32	32					7	法语视听说A4
外语学院	4030015110	法国概况2 Introduction to France II	2	32	32					5	法国概况1
外语学院	4030049210	法语词汇与语法3 French Vocabulary and Grammar III	2	32	32					6	法语词汇与语法2
外语学院	4030017110	法国文学史2 History of French Literature II	2	32	32					6	法国文学史1
外语学院	4030090110	商务法语2 Business French II	2	32	32					6	商务法语1
外语学院	4030091110	商务法语3 Business French III	2	32	32					7	商务法语2
外语学院	4030018110	法语报刊阅读 Selected Reading of French Journals	2	32	32					6	
外语学院	4030020210	非洲法语国家与地区概况 Introduction to Francophone Africa	2	32	32					7	法国概况
小 计 Subtotal			36.5	584	584	0	0	0	0		
修读说明：要求至少选修18学分。 NOTE: Minimum subtotal credits:18.											
(六) 个性课程 6 Personalized Elective Courses											
外语学院	4030057110	科技法语阅读1 French Reading for Science and Technology I	2	32	32					5	
外语学院	4030058110	科技法语阅读2 French Reading for Science and Technology II	2	32	32					6	科技法语阅读1
外语学院	4030375170	科技法语翻译 Translation Science and Technology	2	32	32					7	
小 计 Subtotal			6	96	96	0	0	0	0		

开课单位 Course college	课程编号 Course Number	课程名称 Course Title	学分 Crts	学时分配 Including						建议 修读学期 Suggested Term	先修课程 Prerequisite Course
				总学 时Tot hrs.	理论 Theory	实验 Exp.	上机 Ope- ration	实践 Prac- tice	课外 Extra- cur		
修读说明：学生从以上个性课程和学校发布的其它个性课程目录中选课，要求至少选修6学分。 NOTE: Students can select courses from above and the other personalized courses in catalog, and are required to obtain at least 6 credits.											

(七) 专业教育集中性实践教学环节

7 Specialized Practice Schedule

开课单位 Course college	课程编号 Course Number	实践环节名称 Practice Courses Name	学分 Crts	总学时 Tot hrs.	周数 Weeks	建议修读学期 Suggested Term	先修课程 Prerequisite Course
外语学院	4030367170	外语类专业综合实践 Comprehensive Practice of Foreign Language Specialty	1	16	1	2	
外语学院	4030372170	法语专业课程综合实践1 Comprehensive Practice of French Specialty I	1	16	1	4	
外语学院	4030038210	项目申报模拟与实践 Project Simulation and Practice	2	32	2	4	
外语学院	4030039210	外语创新创业实践 Innovation Practice for Foreign Language Majors	1.5	16	1	5	
外语学院	4030373170	法语专业课程综合实践2 Comprehensive Practice of French Specialty 2	1	16	1	6	
外语学院	4030147110	毕业实习 Graduation Practice	4	64	4	7	
外语学院	4030043210	毕业论文 Graduation Thesis	8.5	272	17	8	
小 计 Subtotal			19	432	27		

五、学时学分比例

V Proportion of class hours and credits

分类	学分	毕业总学分 (不含课外)	比例 (%)
各类选修课程	33	160	20.6
实践教育课程（包括实验课）	36.5	160	22.8
选修课课程设置总学分与选修毕业要求学分比例			2: 1

六、修读指导

VI Recommendations on Course Studies

课外培养方案详见《武汉理工大学第二课堂课外学分实施办法》。

《形势与政策》和《心理健康教育》课程为课外必修课程，分别计 2 个课外学分。

Please refer to the cultivation plan of the second class-Implementation Measures for Extracurricular Credits of the Second Class of Wuhan University of Technology.

Situation & Policy (2 credits) and Mental Health Education (2 credits) are the required extracurricular courses.

学院教学责任人：马文丽

专业培养方案责任人：范 静