PHARMACY

Advisors: Edward McIntee

The College of Saint Benedict and Saint John's University offer a pre-professional program for students who plan to enter the field of pharmacy. Entrance requirements for pharmacy schools vary; students should inform themselves of the courses required by the school they plan to attend. A meeting with a pre-pharmacy advisor is suggested.

Admission to most colleges of pharmacy occurs when the student enters the professional program. This may occur after completion of preprofessional requirements or after completion of the bachelor's degree, generally with a major in biology, chemistry, biochemistry or natural science. Students are advised to consult with the faculty advisor early in their studies. It is recommended that students applying for pharmacy school apply via the early admissions process if available.

Pre-professional coursework requirements differ slightly, but the following list of courses is recommended based on the requirements of the College of Pharmacy, University of Minnesota for 2023:

Code	Title	Hours
Biology BIOL 101	Foundations of Dialogy	4
BIOL 212	Foundations of Biology	4
	Microbiology	4
or BIOL 307	Biology of Microorganisms	0
BIOL 325 & BIOL 326	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
One of the follow	ring: ¹	4
BIOL 201	Intermediate Cell Biology and Genetics	
BIOL 311	Cell Biology	
BIOL 316	General Genetics	
BIOL 317	Biochemistry	
BIOL 318	Molecular Genetics	
NUTR 330	Nutritional Biochemistry and Assessment (Macronutrients)	
Calculus		
MATH 119	Calculus I	4
One of the follow	ving:	4-8
MATH 124	Probability and Statistical Inference	
MATH 345 & MATH 346	Mathematical Statistics I and Mathematical Statistics II	
The following ch credit):	emistry courses and labs (labs must be taken for	20
CHEM 125	Introduction to Chemical Structure and Properties	6
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1)	
CHEM 251	Intermediate Reactions of Nucleophiles and Electrophiles (Reactivity 2)	
CHEM 255	Macroscopic Chemical Analysis	
CHEM 201	Purification and Separation Lab I	
CHEM 202	Purification and Chromatography Lab II	
CHEM 203	Synthesis Lab	
CHEM 205	Chemical Measurement Lab	
One of the follow	ring: ²	4
PHYS 191	Foundations of Physics I	

PHYS 10	5 Physic	s for the Life Sciences I
Select two o	courses ³	8
Social &	Behavioral Sc	iences Recommended Courses ⁴
One of the f	ollowing: ⁴	4
ENGL 31	1 Creativ	ve Nonfiction
One of the f	ollowing: ⁴	4
COMM 1	02 Public	Speaking and the Public Sphere
COMM 1	05 Introdu	uction to Human Communication
COMM 2	05 Interpe	ersonal Communication
COMM 2	65 Group	Communication
COMM 3	50 Intercu	Itural Communication
COMM 3	67 Organi	zational Communication

¹ Any other advanced biology course must focus on the human body in order to be considered.

- ² Physics, algebra, or calculus-based course
- ³ Recommended courses: psychology, sociology, economics, global issues, political science, anthropology.
- ⁴ This prerequisite is waived by U of MN if student has a U.S. bachelor's degree

Visit the prerequisites webpage http://pharmacy.umn.edu/pharmd/ admissions/prerequisites/index.htm (http://pharmacy.umn.edu/pharmd/ admissions/prerequisites/) for all information about University of Minnesota prerequisites.

Additional Requirements:

General Education Requirements:

All undergraduate students must complete the requirements of the Integrations Curriculum (IC) which is designed to ensure all of our students receive a liberal arts education. Please review details of the Integrations Curriculum (https://catalog.csbsju.edu/catalog/academicprograms-policies-regulations/integrations-curriculum/) requirements here (https://catalog.csbsju.edu/catalog/academic-programs-policiesregulations/integrations-curriculum/).

Graduation Requirements:

In addition to the Integrations Curriculum, all undergraduate students must meet the following minimum degree requirements to earn their degree from CSB and SJU.

Credits: 124 total credits, 40 of which must be from upper division coursework

GPA: 2.0 or higher*

Residency: At least 24 of your last 32 credits must be completed at CSB/SJU

Please visit Graduation (https://catalog.csbsju.edu/catalog/academicprograms-policies-regulations/graduation/) under the Academic Policies and Regulations (https://catalog.csbsju.edu/catalog/academicprograms-policies-regulations/) portion of the catalog for additional details regarding degree requirements.

* Cumulative GPA as well as major(s)/minor(s) GPA. Please note some majors/minors may require a higher GPA to earn their degree.

Four Year Plans

Pre-Pharmacy

Pre-Pharmacy		
Course	Title	Hours
First Year		
Fall		
INTG 105	College Success	1
INTG 100	Foundations (LF)	4
Language 111		4
BIOL 101	Foundations of Biology	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	1
	Hours	18
Spring	nours	10
		4
Language 112	Identity (OI)	
Cultural/Social Difference		4
BIOL 201	Intermediate Cell Biology and Genetics	4
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1)	4
CHEM 202	Purification and Chromatography Lab II	1
	Hours	17
Second Year		
Fall		
Language 211		4
THEO 100	Theological Explorations (TE)	4
PHYS 105	Physics for the Life Sciences I	4
CHEM 251	Intermediate Reactions of Nucleophiles and	4
	Electrophiles (Reactivity 2)	
CHEM 203	Synthesis Lab	1
	Hours	17
Spring		
CHEM 255	Macroscopic Chemical Analysis	4
CHEM 205	Chemical Measurement Lab	1
MATH 124	Probability and Statistical Inference	4
Social & Robavioral Science	Not required by U of MN college of Pharmacy if you have BA	4
Social World (SW)		4
	Hours	17
Third Year	nours	
Fall		
	Distance (Missource)	4
BIOL 307	Biology of Microorganisms	4
BIOL 325	Human Anatomy and Physiology I	4
Artistic Expression (AE)	e Not required by U of MN college of Pharmacy if you have BA	4
Social & Behavioral Science		4
	Hours	16
Spring		
BIOL 326	Human Anatomy and Physiology II	4
MATH 119	Calculus I	4
Human Experience (HE)		4
Course for major/minor		4
	Hours	16
Fourth Year		
Fall		
Theological Integrations (T	ΓΙ) N college of Pharmacy if you have BA	4
Cultural/Social Difference		4
Courses for Major/Minor	0,00010 (00)	4
	Hours	4
Caving	nouis	10
Spring	Learning Internations	
INTG 300	Learning Integrations Creative Nonfiction Not required by U of MN college of	4
ENGL 311	Pharmacy if you have BA	4

Courses for Major/M	linor	8
	Hours	16
	Total Hours	133
Dro-Dhormo	ov with Study Abroad	
	cy with Study Abroad	
Course	Title	Hours
First Year		
Fall		
INTG 105	College Success	1
INTG 100	Foundations (LF)	4
Language 111		4
BIOL 101	Foundations of Biology	4
CHEM 125 CHEM 201	Introduction to Chemical Structure and Properties	4
	Purification and Separation Lab I Hours	
Chring	Hours	18
Spring		4
Language 112 Cultural/Social Diffe	rance - Identity (CI)	4
BIOL 201	Intermediate Cell Biology and Genetics	4
CHEM 250	Reactions of Nucleophiles and Electrophiles	4
GITEIW 230	(Reactivity 1)	4
CHEM 202	Purification and Chromatography Lab II	1
	Hours	17
Second Year		
Fall		
Language 211		4
THEO 100	Theological Explorations (TE)	4
PHYS 105	Physics for the Life Sciences I	4
CHEM 251	Intermediate Reactions of Nucleophiles and	4
	Electrophiles (Reactivity 2)	
CHEM 203	Synthesis Lab	1
	Hours	17
Spring		
CHEM 255	Macroscopic Chemical Analysis	4
CHEM 205	Chemical Measurement Lab	1
MATH 124	Probability and Statistical Inference	4
Social & Behavioral S	Science Not required by U of MN college of Pharmacy if you have BA	4
Additional coursewo	rk for major/minor as needed	4
	Hours	17
Third Year		
Fall		
BIOL 307	Biology of Microorganisms	4
MATH 119	Calculus I	4
Artistic Expression (A	AE)	4
Social World (SW)		4
Social & Behavioral S	Science Not required by U of MN college of Pharmacy if you have BA	4
	Hours	20
Spring		
Study Abroad		
Global Engagement	(GL)	4
Experiential Engager	nent (EX)	4
Cultural/Social Differ	rence - Systems (CS)	4
Human Experience (I	HE)	4
	Hours	16
Fourth Year		
Fall		
Theological Integrati	ions (TI)	4
COMM Not required by	U of MN college of Pharmacy if you have BA	4
BIOL 325	Human Anatomy and Physiology I	4
Additional coursewo	rk for major/minor	4
	Hours	16

	Total Hours	137
	Hours	16
Additional coursev	vork for major/minor	4
BIOL 326	Human Anatomy and Physiology II	4
ENGL 311	Creative Nonfiction Not required by U of MN college of Pharmacy if you have BA	4
NTG 300	Learning Integrations	4
Spring		