



Suggested degree path for the
BACHELOR OF SCIENCE DEGREE IN CHEMISTRY (PRE-MED/PRE-DENT; CHDM)
2019-20 Catalog

Name: _____ ID#: _____ Phone #: _____

FRESHMAN YEAR	<i>Fall Semester (recommended hours)</i>		<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>Year/ Semester</u>	<u>Course Sub / Suggested</u>
	CHEM 105 Intro. Chemistry I		Pre or co MATH101	3			
	CHEM 113 Intro Chem. I Lab		Co CHEM105, chem. major	1			
	BIOL 155 General Biology I		ENGL101, MATH101 eligible	4			
	ENGL 101 English Comp. I		ACT score or ENGL003(C)	3			
	Humanities elective I			3			
	UNIV 101 University Prep (UR)		First time entering freshmen and transfer students < 30 hours.	1			<i>Total Hours: 15</i>
	<i>Spring Semester (recommended hours)</i>						
	CHEM 106 Intro. Chem. II		Pre CHEM105(C)	3			
	CHEM 114 Intro. Chem. II Lab		Pre CHEM113 co CHEM106	1			
MATH 165 Calculus I		MATH101(C) 102 or 108(C)	5				
ENGL 102 English Comp. II		Pre ENGL101(C) or ACT	3				
BIOL 156 General Biology II		Pre BIOL155(C)	4			<i>Total Hours: 16</i>	

Schedule your chemistry lab first since there is only one section of it. Build the rest of your schedule around it. If your math placement requires you to start with a lower math course than 165, start your math in the fall semester. Scheduling of many general education courses such as the History, Humanities, Literature, Fine Arts, and Social Science electives as well as SPCH 101 and CMPS 130 is flexible. For example if there are no open sections of SPCH 101 in the spring of your sophomore year, you could take CMPS 130 then and take SPCH 101 later.

SOPHOMORE YEAR	<i>Fall Semester (recommended hours)</i>		<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>Year/ Semester</u>	<u>Course Sub / Suggested</u>
	CHEM 221 Organic Chem. I		Pre CHEM106	3			
	PHYS 101 Basic Physics I		Pre or co MATH 102 or 108	3			
	PHYS 203 Physics I Lab.		Pre or co PHYS101	1			
	BIOL 203 Gen. Microbiology		Pre BIOL156	3			
	BIOL 204 Gen. Micro. Lab.		Pre or co BIOL203	1			
	ENGL 368 Tech. & Prof. Writ. or ENGL 468		Pre ENGL102(C)	3			
	MATH 301 Elem Statistical Methods		Pre ENG102, Eligibility for MATH165	3			
							<i>Total Hours: 17</i>
	<i>Spring Semester (recommended hours)</i>						
CHEM 222 Organic Chem. II		Pre CHEM221 (C)	3				
CHEM 226 Org. Chem. Lab.		Pre CHEM114 co CHEM222	2				
CHEM 300 Quant. Analysis		Pre CHEM106 & 114	3				
CHEM 302 Quant. Anal. Lab.		Pre or co CHEM300	2				
PHYS 102 Basic Physics II		Pre PHYS101	3				
PHYS 204 Physics II Lab.		Pre or co PHYS102	1				
						<i>Total hours: 14</i>	

Schedule classes with only one section (e.g., PHYS 101, 102, 203 204, CHEM 221, 222, 300, 302) first. Avoid postponing Physics because that would push back when you can take Physical Chemistry and upper level chemistry courses and make it difficult to finish in four years

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Name: _____ ID#: _____ Phone #: _____

JUNIOR YEAR	<i>Fall Semester (recommended hours)</i>	<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>Year/ Semester</u>	<u>Course Sub / Suggested</u>
	CHEM 303 Physical Chem. I	Pre MATH165, CHEM106, PHYS202	3			
	CHEM 305 Phys. Chem. I Lab	Co CHEM303	1			
	CHEM 319 Intro. Chemical Lit.	Pre CHEM222, 300	1			
	CHEM 435 Biochemistry I	Pre CHEM222	3			
	CHEM 437 Biochemistry Lab.	Co CHEM435	1			
	BIOL or CHEM Elective (300 level or above)		5			<i>Recommend Advanced Anatomy (BIOL 461)</i>
						<i>Total Hours: 14</i>
<i>Spring Semester (recommended hours)</i>						
CHEM 304 Physical Chem. II	Pre CHEM303	3				
CHEM 306 Phys. Chem. II Lab.	Pre CHEM305 Co CHEM304	1				
CHEM 405 Instr. Analysis	Pre CHEM302, 303	3				
CHEM 407 Instr. Anal. Lab.	Pre or Co CHEM405	2				
BIOL or CHEM Elective (300 level or above)		3			<i>Recommend Biochemistry II (CHEM 436)</i>	
BIOL or CHEM Elective (300 level or above)		3			<i>Recommend Immunology (BIOL 428)</i>	
						<i>Total Hours: 15</i>

SENIOR YEAR	<i>Fall Semester (recommended hours)</i>	<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>Year/ Semester</u>	<u>Course Sub / Suggested</u>
	CHEM 412 Inorganic Chem.	Pre CHEM304	3			
	CHEM 413 Inorganic Prep.	Pre CHEM302,306 Co CHEM412	1			
	Social Science Elective 1		3			
	CMPS 130 Intro. Comp. Sci. I	Pre MATH 100 or 101(C)	3			
	Humanities Elective 2	See catalog.	3			
	BIOL or CHEM Elective		3			<i>Recommend Histology or Physiology (BIOL 304 or 326)</i>
						<i>Total hours: 16</i>
<i>Spring Semester (recommended hours)</i>						
CHEM 450 Senior Seminar	Pre CHEM306, 319	1				
Social Science Elective 2		3				
Fine Arts Elective		3				
Humanities Elective 3	See catalog.	3				
SPCH 101 Fund. Publ. Speak.	ENGL101 eligible	3				
						<i>Total Hours: 13</i>

Total Hours for Degree 120

LSU medical schools recommend some biology courses; see their admission requirements for a complete list. These courses will prepare you to succeed in medical school: Biochemistry II (CHEM 436, 3hr, pre: CHEM 435), Advanced Anatomy (BIOL 461, 5hr, pre: BIOL 156), Immunology (BIOL 428, 3 hrs, pre: BIOL 203/204), Histology (BIOL 304, 4 hrs, pre: BIOL 156 and CHEM 221), Developmental Biology (BIOL 332, 4 hrs, pre: BIOL 156), Physiology (BIOL 326, 4 hrs, pre: BIOL 156), Genetics (BIOL 320, 4 hrs, pre: BIOL 156),

45-Hour Requirement. *You are required to have at least 45 hours from courses at the 300 and 400 level.*

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