

1st Semester (17 hrs.)		Course Title	Term Offered	Prerequisites & Notes
	GATE 101 (1)	Gateway to University Life	Fall	
	GPS 110 or 120 (3)	Global Perspectives	Fall, Spring	110 & 120 can be taken in any order
	ENG 110 (3)	University Writing & Research	Fall, Spring	If enrolled in ENG 100, 110 is still required
	PE 101 (2)	Personal Fitness & Wellness	Fall, Spring	
	<b>CHEM 101 (4)</b>	<b>Principles of Chemistry I</b>	Fall	
	<b>MATH 120 (4)</b>	<b>Calculus and Analytical Geometry I</b>	Fall, Spring	

2nd Semester (16 hrs.)		Course Title	Term Offered	Prerequisites & Notes
	GPS 110 or 120 (3)	Global Perspectives	Fall, Spring	Enroll in the course not completed in the Fall
	Fine Arts (2)	University Foundations	Fall, Spring	
	<b>COMM 101 (3)</b>	<b>Public Speaking</b>	Fall, Spring	
	<b>MATH 220 (4)</b>	<b>Calculus and Analytical Geometry II</b>	Spring	
	<b>CHEM 102 (4)</b>	<b>Principles of Chemistry II</b>	Spring	Chem 101 required for 102

3rd Semester (16 hrs.)		Course Title	Term Offered	Prerequisites & Notes
	GPS 210 or 220 (3)	Global Perspectives	Fall, Spring	210 & 220 can be completed in any order
	MATH 305 (4) or Elective (4)	Calculus and Analytical Geometry III or General Elective	Math 305-Fall General Elective-Fall, Spring	Math 305 requires Math 220 prereq
	<b>CHEM 201 (4)</b>	<b>Organic Chemistry I</b>	Fall	CHEM 102
	<b>CHEM 291 (1)</b>	<b>Introductions to Chemical Research I</b>	Fall	Sophomore classification
	<b>PHYS 101 (4)</b>	<b>Principles of Physics I</b>	Fall	MATH 120; See Note 2.

4th Semester (17 hrs.)		Course Title	Term Offered	Prerequisites & Notes
	GPS 210 or 220 (3)	Global Perspectives	Fall, Spring	Enroll in the course not completed in the Fall
	Foreign Language 101 (3)	University Foundations	Fall, Spring	BS degree through 102; BA degree through 202
	<b>CHEM 202 (4)</b>	<b>Organic Chemistry II</b>	Spring	Chem 201
	<b>CHEM 292 (1)</b>	<b>Introductions to Chemical Research I</b>	Fall	Sophomore classification
	<b>PHYS 205 (5)</b>	<b>Calculus Applications in Physics</b>	Fall	PHYS 101
	Elective (1)	General Elective	Fall, Spring	Discuss with Faculty Advisor

## NOTES:

- 1 Bold courses are required for the CHEM major.
- 2 PHYS I & II are generally required for admissions to Medical, Dental, Vet, PT,
- 3 Pharmacy schools and graduate programs. Not typically required for PA schools.

## Comments:

5th Semester (17 hrs.)		Course Title	Term Offered	Prerequisites & Notes
	Lit/Writing (3)	University Foundations	Fall, Spring	Any 200+ level English Literature course
	GPS 310 or 320 (3)	Global Perspectives	Fall, Spring	310 & 320 can be completed in any order
	<b>CHEM 311 (4)</b>	<b>Physical Chemistry I</b>	Fall, Odd Years	CHEM 202, MATH 220, PHYS 201
	<b>CHEM 331 (4)</b>	<b>Analytical Chemistry I</b>	Fall	CHEM 102
	Foreign Language 102 (3)	University Foundations	Fall, Spring	BS degree through 102; BA degree through 202

6th Semester (17-18 hrs.)		Course Title	Term Offered	Prerequisites & Notes
	GPS 310 or 320 (3)	Global Perspectives	Fall, Spring	Enroll in the course not completed in the Fall
	<b>CHEM 312 (4)</b>	<b>Physical Chemistry II</b>	Spring, Even Years	CHEM 311
	<b>CHEM 332 (4)</b>	<b>Analytical Chemistry II</b>	Spring, Odd Years	CHEM 331
	Elective (3-4)	General Elective	Fall, Spring	Discuss with faculty advisor
	Social/Behavioral Science (3)	University Foundations	Fall, Spring	Choose 1 course from PSYC, SOC, HIST, ECON or PSCI

7th Semester (16 hrs.)		Course Title	Term Offered	Prerequisites & Notes
	<b>CHEM 413 (4)</b>	<b>Inorganic Chemistry</b>	Fall, Even Years	CHEM 202
	Elective (3)	General Elective	Fall, Spring	BA degree = Foreign Language 202
	Elective (3)	General Elective	Fall, Spring	BA degree = Foreign Language 201
	Elective (3)	General Elective	Fall, Spring	Discuss with faculty advisor
	Elective (3)	General Elective	Fall, Spring	Discuss with faculty advisor

8th Semester (12-13 hrs.)		Course Title	Term Offered	Prerequisites & Notes
	<b>CHEM 450 (3)</b>	<b>Hazardous Materials &amp; Chemical Safety</b>	Spring	CHEM 202
	<b>ADVANCED CHEM Elective (3-4)</b>	<b>Advanced Chemistry Elective</b>	Fall, Spring	Choose 1 course from CHEM 420, 424, 425, 470; Discuss with faculty advisor
	<b>CHEM 497 (0)</b>	<b>Exit Examination</b>	Fall, Spring	Complete during semester of graduation
	Elective (3)	General Elective	Fall, Spring	Discuss with faculty advisor
	Elective (3)	General Elective	Fall, Spring	Discuss with faculty advisor

Total Credit Hours earned = 125-128

**Comments:**

**Graduation Requirements:**

- 1 Must earn a minimum of 125 credit hours, including 40+ hours at 300+ level.
- 2 Must complete the last 30 credit hours of degree at Wingate University.
- 3 Must maintain minimum cumulative GPA of 2.0 and minimum Major GPA of 2.0.
- 4 Must fulfill Lyceum requirement as outlined in Academic Catalog.
- 5 Physical Chemistry 311/312 and Chemistry 413 are offered in alternate years.
- 6 The Advanced Chemistry elective may be taken in the Junior year.