

Chemistry

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FIRST YEAR	3	Choose 1	Communication (Core)		010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details <b>Options: ENGL 1301</b>
	3	CHEM 1311	General Chemistry I (Core)		030	MATH 1314, MATH 1414, MATH 1342, MATH 1343, , MATH 2412, MATH 2413 with a grade of "C" or higher."	See General Education Core for more details <b>Offered: Fall, Spring and Both summers</b>
	1	CHEM 1111	General Chemistry I Lab (Core)		090	Credit/registration in CHEM 1311	See General Education Core for more details <b>Offered: Fall, Spring and Both summers</b>
	3	Choose 1	MATH course				Satisfies Major-Specific Requirement MATH 1314, MATH 1414, MATH 1342, MATH 1343
	4	PHYS 1401	General Physics I (Core)		090	MATH 1414, MATH 1314, MATH 2412, or MATH 2413	One hour Integrative & Experiential Learning
			UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design			
<b>14 Semester Total Hours</b>							
SPRING	3	Choose 1	Communication (Core)		010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details <b>Options: ENGL 1302 or ENGL 1305</b>
	3	CHEM 1312	General Chemistry II (Core)		030	CHEM 1311.	See General Education Core for course options. <b>Offered: Fall, Spring and Both Summers</b>
	1	CHEM 1112	General Chemistry II Lab (Core)		090	Credit/registration in CHEM 1312.	See General Education Core for course options. <b>Offered: Fall, Spring and Both Summers</b>
	4	PHYS 1402	General Physics II			PHYS 1401.	Satisfies Major-Specific Requirement.
	4	MATH 2412	PreCalculus			Undergraduate level MATH 1314 Minimum Grade of C or Undergraduate level MATH 1440 Minimum Grade of C or Undergraduate level MATH 1340 Minimum Grade of C or Undergraduate level MATH 1414 Minimum Grade of C	Satisfies Major-Specific Requirement.
<b>15 Semester Total Hours</b>							
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
SECOND YEAR	3	CHEM 2323	Organic Chemistry I			Prerequisite: CHEM 1312	Satisfies Major-Specific Requirement. <b>Offered: Fall, Spring and Summer I</b>
	1	CHEM 2123	Organic Chemistry I Lab			Prerequisite: CHEM 1112	Satisfies Major-Specific Requirement. <b>Offered: Fall, Spring and Summer I</b>
	3	CHEM 2301	Analytical Chemistry			Prerequisite: CHEM 1312 and CHEM 1112	Satisfies Major-Specific Requirement. <b>Offered: Fall</b>
	1	CHEM 2101	Analytical Chemistry Lab			Prerequisite: CHEM 2301.	Satisfies Major-Specific Requirement. <b>Offered: Fall</b>
	4	MATH 2413	Calculus I (Core)	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics	Satisfies Major-Specific Requirement.
	3	Choose 1	American History (Core)		060		See General Education Core for more details. <b>Options: HIST 1301 or HIST 2327</b>
<b>15 Semester Total Hours</b>							
SPRING	3	CHEM 2325	Organic Chemistry II			Prerequisite: CHEM 2323	Satisfies Major-Specific Requirement. <b>Offered Fall and Spring</b>
	1	CHEM 2125	Organic Chemistry II Lab			Prerequisite: CHEM 2325	Satisfies Major-Specific Requirement. <b>Offered: Fall and Spring</b>
	3	CHEM 3301	Inorganic Chemistry			12 hours of chemistry, including CHEM 2323.	Satisfies Major-Specific Requirement. <b>Offered: Spring Brownsville Campus; Fall and Spring Edinburg Campus</b>
	1	CHEM 3101	Inorganic Chemistry Lab			Credit/registration in CHEM 3301.	Satisfies Major-Specific Requirement. <b>Offered: Spring Brownsville Campus; Fall and Spring Edinburg Campus</b>
	4	MATH 2414	Calculus II			MATH 2413 with a grade of 'C' or better.	Satisfies Major-Specific Requirement.
	2	12XX-42XX	Free Elective				
<b>14 Semester Total Hours</b>							

CORE: The 2023-2024 list of core courses can be found in the 2023-2024 Undergraduate Catalog: [www.utrgv.edu/smartcatalog](http://www.utrgv.edu/smartcatalog) > Bachelors Degree Regulations and Graduation Policies > 'Core Curriculum'

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Applied Communication and Literacies; 090 - Humanities; 090 - Leadership; 090 - Science Labs; 090 - Interdisciplinary; 090 - Technologies; 090 - Language Diversity & Writing.

