

Chemistry

Chemistry, the central science, is an excellent springboard to careers in many specialized areas—from biotechnology and materials science to environmental protection. About 60% of B.S. graduates will work in industries ranging from huge multinational corporations to small entrepreneurial firms with the balance in academic, biomedical, and public sector institutions. Most chemists are involved in either research and development or production of chemicals and materials. Many laboratory chemists perform analyses for biomedical, forensic, environmental, and production quality control purposes. Others are responsible for facility environmental health and product applications.

CHEMISTRY¹			
Total Hours: 128			
<u>FRESHMAN YEAR.</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR.</u>	<u>Sem. Hrs.</u>
Chemistry 121, 121L, 124, 124L	8	Chemistry 255, 255L, 259, 265, 265L, 266, 266L, 290	14
English 105, 115	6	Physics 261, 261L, 262, 262L	8
Mathematics 221, 222 ²	8	Mathematics one of 223 ⁴ , 254, 260, 355	3
Computer Science 135 or 140	3	English 205, 210, 215, or 220	3
Elective (Biology)	3	Elective (Anthropology or Geography) ⁵	3
Communications 135	3		3
	<u>31</u>		<u>31</u>
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR.</u>	<u>Sem. Hrs.</u>
Chemistry 301, 303, 303L, 304, 304L, 366	13	Biochemistry 410	3
Electives	9	Chemistry 430, 456, 456L, 467, 470, 490	13
Elective (Psychology or Sociology) ⁵	3	Sciences 485	1
Elective (Economics or Political Science) ⁵	3	History 105, 106, 145 or 146	3
English 325	3	Elective (Fine Arts or Music) ⁵	3
Science or Mathematics (200-400 level elective)	3	Electives ³	9
	<u>34</u>		<u>32</u>

¹American Chemical Society Certified Curriculum

²Students not prepared to begin with Mathematics 221 should take either Mathematics 121 or 122 as electives.

³At least 45 hours of all course work must be at 300-400 level.

⁴Mathematics 223 is a 4-hour course.

⁵See "General Education Course Requirements" under **DEGREE REQUIREMENTS** for restrictions

Chemistry Minor: The student choosing to minor in Chemistry must take 24 hours consisting of the following courses: 8 hours of CHEM 121, 121L, 124, 124L; 5 hours of CHEM 255, 255L, 259; 8 hours of CHEM 265, 265L, 266, 266L; 3 hours of BCHEM, CHEM, or ENSC at the 300 or 400 level.