

HACC <https://www.hacc.edu/ProgramsandCourses/chemistry-3026.cfm>
 Chemistry 61 credits

HACC Course		Credits
ENGL 101	English Composition I	3
ENGL 102 or ENGL 104	English Composition II or Technical Writing	3
COMM 101	Effective Speaking	3
HUM/Arts elective	Humanities/Arts Elective	3
MATH 121	Math elective- MATH 121	4
Math/Science elective	Math or Science elective- MATH 122	4
Science w lab elective	Science with Lab elective- CHEM 101	4
SS/BH elective	Social Science or Behavioral Science elective	3
Wellness	Wellness	1
FYS elective	First Year Seminar Elective	1
CHEM 102	General Inorganic Chemistry & Qualitative Analysis	4
CHEM 203	Organic Chemsitry I	4
CHEM 204	Organic Chemistry II	4
PHYS 211	Physics for Engineers and Scientists I	4
PHYS 212	Physics for Engineers and Scientists II	4
	Transfer electives	
	BIOL 221- Microbiology (4)	
	MATH 202- Introduction to Statistics (4)	
Transfer electives	BIOL 101- General Biology I (4)	12
Total		61

To be completed at HU 59

Foundation requirements

GEND requirements

GEND 201	Civic Mind	6
GEND 351	Org Mind	6

GENDELE	General Ed electives	6
	Total	18
Experiential requirements		
BTEC 298	Project I	3
BTEC 365	Internship	3
BTEC 498	Project II	3
SEMR 200	Steppingstone	1
SEMR 300	Keystone	1
SEMR 400	Capstone	1
	Total	12
Core courses required for the major		
BIOL281/282	Cell Biology/Lab	4
BIOL 370	Molecular Biology	4
BTEC 170	Intro to Biotechnology	3
BTEC 350	Biotechnology Techniques	4
BTEC 351	Biotechnology Applications	4
BTEC ele	Biotech electives	4
		23
Free electives		
		6
		6
Total		
		59

HU Equivalent Course

Biotechnology- General BTEC concentration

HU Course	Credits
ENGL 105- English Composition I	3
ENGL 200- Advanced Composition and Technical Writing	3
COMM 110- Speech	3
GEND 102- Creative Mind I	3
MATH 220- Calculus I	4
MATH 260- Calculus II (sub for MATH 120)	4
CHEM 151/152- General Chemistry I Lecture/Lab	4
GEND 103- Creative Mind II	3
Free elective	1
SEMR 100- Cornerstone	1
CHEM 161/162- General Chemistry II Lecture/Lab	4
CHEM 210- Organic Chemistry I	4
CHEM 220- Organic Chemistry II (sub for GEND 113)	4
PHYS 210- General Physics I	4
PHYS 260- General Physics II (sub for GEND 112)	4
BIOL 330- Microbiology	
MATH 280- Introductory Statistics	
BIOL 102/103- General Biology	12
total transfer credits	61