

# CHEMISTRY | BACHELOR OF ARTS: CHEMISTRY

## Degree Maps

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
CHEM 101	Orientation to Chemistry	1
CHEM 120 & 120L	University Chemistry I and University Chemistry Laboratory I	5
ENG 101	English Composition I (SGE010 - English Discipline Area)	3
SGE030 - Math Statistics Discipline Area		3
Open Electives		3
UNIV 101	Freshman Seminar	1
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
CHEM 122 & 122L	University Chemistry II and University Chemistry Laboratory II	5
MATH 331	Calculus Methods	3
ENG 102	English Composition II	3
Bachelor of Arts Language Requirement		5
<b>Hours</b>		<b>16</b>
<b>Second Year</b>		
<b>Fall</b>		
CHEM 340 & 340L	Organic Chemistry and Organic Chemistry Laboratory I	5
PHYS 111 & 111L	Physics I and Physics I Laboratory	5
Bachelor of Arts Language Requirement		5
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 342 & 342L	Organic Chemistry II and Organic Chemistry Laboratory II	5
PHYS 112 & 112L	Physics II and Physics II Laboratory	5
COMM 100 or COMM 304	Fundamentals of Oral Communication or Intermediate Interpersonal Communication	3
Open Electives		3
<b>Hours</b>		<b>16</b>
<b>Third Year</b>		
<b>Fall</b>		
CHEM 350 & 350L	Chemical Analysis and Chemical Analysis Laboratory	5
SGE050 - Social Behavioral Sciences Discipline Area		3
SGE070 - Institutionally Designated Area: Personal and Professional Development		3
SGE070 - Institutionally Designated Area: Critical Thinking		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
CHEM 430 & 430L	Survey of Physical Chemistry and Survey of Physical Chemistry Laboratory	5
SGE050 - Social Behavioral Sciences Discipline Area		3
SGE060 - Arts Humanities Discipline Area		3
Open Electives		3
<b>Hours</b>		<b>14</b>
<b>Fourth Year</b>		
<b>Fall</b>		
Directed Electives		5
Open Electives		3
SGE060 - Arts Humanities Discipline Area		3

Open Electives		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
CHEM 675	Seminar in Chemistry	1
Directed Electives		3
CHEM 672 or CHEM 673	Readings in Chemistry or Problems in Chemistry	2
Open Electives		3
Open Electives		3
Open Electives		3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>

**Academic Degree Maps** are term-by-term sample course plans that specify milestones, courses, and special requirements that are necessary for facilitating on-time completion. Degree Maps are *examples* and are not prescriptive. Individualized choices such as concentration options, transfer credits, optional minors, advisory programs (certificates), etc. can alter the recommended coursework. Course offerings are subject to change. Students should consult with their academic advisors for additional guidance on course planning.

To determine courses to take in the directed choices (often listed as Program Elective Course) and directed elective course blocks see the overview tab for courses. To locate approved courses in General Education areas (Undergraduate Programs) see the general education section (<https://catalog.fhsu.edu/general-education/>) of the catalog.

The undergraduate course maps typically advise the most efficient route for students to complete the general education requirements. Courses that are required in the major may be listed as fulfilling relevant general education requirements. This will result in more open elective course hours in some maps than is listed on the degree overview page.