

Program Outline

The Faculty of Arts and Sciences offers a Bachelor of Sciences in Chemistry.

Students receive the Bachelor of Sciences in Chemistry after successfully completing 90 credits:

- 39 credit hours are General Education Requirements of which the following are mandatory courses:
 - 9 credits English
 - 3 credits Arabic
 - 3 credits Introduction to Higher Education
 - 9 credits should be taken in courses in the Humanities; those include courses in History, Philosophy, Arts, Sociology, Political Science or Psychology
 - 12 credits of free electives
 - 3 credits in physical education
- 39 credit hours are core chemistry compulsory core courses and include the following courses:
 - CHEM 201 General Chemistry
 - CHEM 202 General Chemistry Lab
 - CHEM 211 Organic Chemistry I
 - CHEM 212 Organic Chemistry Lab I
 - CHEM 217 Organic Chemistry II
 - CHEM 218 Organic Chemistry Lab II
 - CHEM 221 Analytical Chemistry
 - CHEM 222 Analytical Chemistry Lab
 - CHEM 241 Physical Chemistry I
 - CHEM 242 Physical Chemistry I Lab
 - CHEM 311 Identification of Organic Compounds
 - CHEM 322 Instrumental Analysis
 - CHEM 323 Instrumental Analysis Lab
 - CHEM 331 Inorganic Chemistry I
 - CHEM 332 Inorganic Chemistry II
 - CHEM 333 Inorganic Chemistry Lab
 - CHEM 341 Physical Chemistry II
 - CHEM 342 Physical Chemistry Lab II
 - CHEM 391 Senior Seminar
- 12 credit hours of chemistry major elective courses:
 - CHEM 410 Organic Chemistry III
 - CHEM 412 Chemistry of Natural Products
 - CHEM 420 Electrochemistry

- CHEM 423 Separation Methods in chemical analysis
- CHEM 433 Homogeneous Catalysis
- CHEM 440 Computer Application in Chemistry
- CHEM 441 Photochemistry
- CHEM 442 Quantum Chemistry
- CHEM 451 Polymer Chemistry
- CHEM 453 Petro- Chemistry
- CHEM 454 Environmental Chemistry

Internship Requirements and Guidelines

All Chemistry students are required to complete an internship (normally the summer following the second year). Students must provide the Faculty with an employer's acceptance.

Normally, internships are assigned and/or allocated by the internship and placement officer. However, students may solicit their own internships.

Internship Guidelines

- Internships must extend for at least 8 weeks with a workload of no less than 20 hours a week.
- Internships are normally completed during the summer.
- Students must comply with the working hours and days of the host company.
- A faculty member from the Faculty of Arts and Sciences will supervise students throughout the internship period.
- The internship is graded on a Pass/Fail and the grade is based on feedback from both the direct work supervisor and the faculty supervisor. The grade is not calculated as part of the student's overall GPA.

Graduation Requirements

Graduation requirements for the Bachelor of Sciences in Chemistry are the following:

- A student must have completed a minimum of 6 semesters beginning with the sophomore class
- A student must complete his/her degree in a maximum of five calendar years if he/she began with the sophomore class. A student who fails to complete his/her degree program within this specified time must petition the Faculty of Arts and Sciences Academic and Curriculum Committee for an extension.
- A transfer student from within the University must have completed at least 24 sophomore credits. He/she must not be on probation, and, he/she must have a minimum overall cumulative average of 70.
- Completion of a minimum of 90 credits for students who enter as sophomores.
- Completion of 39 credits in chemistry core courses and 12 credits in chemistry major.
- Students must achieve a cumulative average of at least 70 in these 51 credits.
- 39 credits of general educational courses.
- A cumulative average of at least 70 in chemistry courses.
- When a student repeats a course, the highest grade obtained in the course is used in computing the student's average for graduation purposes. The student may repeat any course he/she chooses.