

Professional Master Degree in Chemistry

(a) The curriculum of the Professional Chemistry degree with concentration in Analytical Chemistry, Biochemistry, Inorganic Chemistry, Organic Chemistry or Physical Chemistry.

Core: Four out of seven courses

CHEM 513 Organic Mechanism & Structure
CHEM 514 Biochemistry
CHEM 521 Chemical Thermodynamics
CHEM 527 Chemical and Biochemical Characterization Methods I
CHEM 531 Advanced Inorganic Chemistry
CHEM 541 Advanced Analytical Chem
CHEM 547 Advanced Instrumental Analysis I

Elective: Seven electives

CHEM 515 Synthetic Organic Transformations
CHEM 522 Quantum Chemistry
CHEM 528 Chemical and Biochemical Characterization Methods II
CHEM 529 Workshop in Chemistry
CHEM 533 Chemical Kinetics and Reaction Mechanism
CHEM 536 Organometallic Chemistry
CHEM 548 Advanced Instrumental Analysis II
CHEM 581 Nuclear science
CHEM 589 Independent Study
CHEM 597 Special Topics

Required Courses:

CHEM 595 Research Literature & Techniques
CHEM 501 Graduate Seminar (every semester)

Comprehensive Exam is required at the end of the program.

(b) The curriculum of the Professional Chemical Business degree is listed below.

The curriculum of the Professional Chemical Business degree is similar to the curriculum of the Professional Chemistry degree. However, two approved courses from the College of Business replacing will be used to replace two core courses listed in the core curriculum of the Professional Chemistry degree and two more replacing electives.

(c) The curriculum of the Professional Chemical Education degree is listed below.

The curriculum of the Professional Chemical Education degree is similar to the curriculum of the Professional Chemistry degree. However, two approved courses from the College of Education

can be used to replace two core courses listed in the core curriculum of the Professional Chemistry degree and two more replacing electives.