

Chemistry Major with Material Science Emphasis (BS)

The other course option can be substituted to fulfill the chemistry elective requirement.

*Students may use this course to satisfy core requirements.

CHM 105 is not required for students who enter Lyon College with a score of 25 or better on the ACT mathematics section (or equivalent SAT score) and a grade of "C" or better in high school chemistry.

Methods of Chemical Research can be completed by taking CHM 280 or CHM 480 credit/s.

Meet 3 hours a week of chemical research for a minimum of two semesters.

CHM 365 has a pre-requisite of MTH 220 Calculus II.

Summary of Requirements for a Major in Chemistry with Material Science Emphasis

Summary of Requirements for a Major in Chemistry with Material Science Emphasis

Item #	Title	Credits
CHM 105	Introduction to Chemistry *	4
CHM 110	General Chemistry I	4
CHM 120	General Chemistry II	4
CHM 210	Organic Chemistry I	4
CHM 220	Organic Chemistry II	4
	Chemistry: Material Sciences Options	4
CHM 482	Topics in Chemistry	3
CHM 370	Junior Seminar	1
CHM 490	Senior Seminar	1
MTH 210	Calculus I	4
	Fundamentals of Physics	8
	Chemistry: Material Sciences Electives	3-4

CORE CURRICULUM

CORE CURRICULUM

Item #	Title	Credits
	Core Curriculum Requirements (In addition to Major hours)	44-48
	Total Credits	84-94

Chemistry: Material Sciences Options

Choose CHM 224 **and** 2 Semesters of Methods of Chemical Research in Biomedical Sciences

OR

CHM 302

Item #	Title	Credits
CHM 224	Quantitative Analysis	2
	2 Semesters of Methods of Chemical Research in Material Science	2
CHM 302	Instrumental Analysis	4

Fundamentals of Physics

Select one of the following course sequences:

Fundamentals of Physics

Fundamentals of Physics

Item #	Title	Credits
PHY 240	Fundamentals of Physics I	3
PHY 241	Fundamentals of Physics I Laboratory	1
PHY 250	Fundamentals of Physics II	3
PHY 251	Fundamentals of Physics II Laboratory	1

Chemistry: Material Sciences Electives

Item #	Title	Credits
CHM 355	Physical Chemistry I	3
CHM 356	Biochemistry	4
CHM 365	Physical Chemistry II	3
CHM 413	Advanced Inorganic Chemistry	3
CHM 482	Topics in Chemistry	3