



**Yeshiva University**

**Yeshiva College**

**Academic Advising Center**

500 West 185<sup>th</sup> Street, Furst Hall, Room 101

Phone: **646-592-4425** | Email: **advising@yu.edu**

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## **Chemistry Major**

## **Minimum Credits: 49**

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### **REQUIREMENTS (46 CREDITS)**

<b>CHE 1045R</b> , General Chemistry 1, <i>Fall course</i> ( ) _____	3 Credits
<b>CHE 1046R</b> , General Chemistry 2, <i>Spring course</i> ( ) _____	3 Credits
<b>CHE 1047L</b> , General Chemistry Lab, <i>Spring course</i> ( ) _____	2 Credits
<b>CHE 1215L</b> , Organic Chemistry Lab, <i>Fall course</i> ( ) _____	2 Credits
<b>CHE 1213R</b> , Organic Chemistry 1 Lecture, <i>Fall course</i> ( ) _____	3 Credits
<b>CHE 1214R</b> , Organic Chemistry 2 Lecture, <i>Spring course</i> ( ) _____	3 Credits
<b>CHE 1122C</b> , Chemical Analysis Lecture & Lab, <i>Spring course</i> ( ) _____	4 Credits
<b>CHE 1937or 1938</b> , Chemistry Seminar ( ) _____	1 Credit
<b>CHE 1415R</b> , Physical Chemistry 1, <i>Fall course</i> ( ) _____	4 Credits
<b>CHE 1416R</b> , Physical Chemistry 2, <i>Spring course</i> ( ) _____	4 Credits
<b>CHE 1222H</b> , Advanced Lab, <i>Fall course</i> ( ) _____	3 Credits
<b>MAT 1412</b> , Calculus 1 ( ) _____	4 Credits
<b>PHY 1031R/L</b> , General Physics 1, <i>Fall course</i> ( ) _____	5 Credits
<b>PHY 1032R/L</b> , General Physics 2, <i>Spring course</i> ( ) _____	5 Credits

### **ELECTIVES (1 REQUIRED, 3 CREDITS MINIMUM)**

<b>CHE 1232C</b> , Medicinal Chemistry ( ) _____	3 Credits
<b>CHEM 1233C</b> , Synth. & Character ( ) _____	3 Credits
<b>CHE 1375C</b> , Molecular Biochemistry ( ) _____	4 Credits
<b>CHE 1378H</b> , Chemical Biology ( ) _____	3 Credits
<b>CHE/BIO 1376R</b> , Biochemistry Lecture ( ) _____	3 Credits
<b>CHE/BIO 1376L</b> , Biochemistry Lab ( ) _____	1 Credits
<b>CHE 1379C</b> , Metals In Biology ( ) _____	4 Credits
<b>CHE 1415L</b> , Physical Chemistry Lab ( ) _____	3 Credits
<b>CHE 1607</b> , Inorganic & Structural ( ) _____	3 Credits
<b>CHE 1611</b> , Mol. Structure & Dynamics ( ) _____	3 Credits
<b>CHE 1930</b> , Special Topics ( ) _____	2 Credits
<b>CHE 1124</b> , Forensic Chemistry ( ) _____	3 Credits
<b>CHE 1372H</b> , Bioinformatics, <i>Fall course</i> ( ) _____	4 Credits

### **RECOMMENDED COURSES:**

<b>BIOL 1011R, BIO 1011L</b> , Principles of Biology 1 Lecture and Lab ( ) _____	5 Credits
<b>BIO 1012R, BIO 1012L</b> , Principles of Biology 2 Lecture and Lab ( ) _____	5 Credits
<b>CHE 4911</b> , Research ( ) _____	1-3 Credits
<b>MAT 1413</b> , Calculus 2 ( ) _____	4 Credits

NOTE: Courses within any given major or minor require a grade of a "C-" or better to fulfill its requirement