

2022-23 ACADEMIC MAP



BS - Chemistry Option C: Pre-Medical Science, Pre-Pharmacy

TOTAL HRS: 122

Academic map is a guide to help students stay on track to degree completion. Consult undergraduate catalog and academic advisor for other requirements.

* minimum grade required

| FALL SEMESTER | | | | | | SPRING SEMESTER | | | | | |
|------------------|--------------------------|-------------------------|--------|----------|--------|----------------------------|--------------------------|--------|----------|-----|--------|
| PREFIX | COURSE | CREDIT | AREA | GR* | SEM/GR | PREFIX | COURSE | CREDIT | AREA | GR* | SEM/GR |
| YEAR 1-Freshman | CHE 101 | Gen Chem I Lecture | 3 | Gen Ed | C | CHE 102 | Gen Chem II Lecture | 3 | Gen Ed | C | |
| | CHE 103 | Gen Chem I Lab | 1 | Gen Ed | C | CHE 104 | Gen Chem II Lab | 1 | Gen Ed | C | |
| | BIO 100 | General Biology I | 4 | Major | C | BIO 101 | General Biology II | 4 | Major | C | |
| | ENG 101 | Composition I | 3 | Gen Ed | | ENG 102 | Composition II | 3 | Gen Ed | | |
| | MAT 104 | College Algebra | 3 | Gen Ed | | MAT 105 | Trigonometry | 3 | Spec Dgr | C | |
| | CHE 108 | Intro Chemistry Sem | 1 | Core | | | Personal Development | 1 | Gen Ed | | |
| | FYS 100/300 ¹ | First Year Seminar | 1 | Univ Req | | | | 15 | | | |
| | | 16 | | | | | | | | | |
| YEAR 2-Sophomore | CHE 319 | Organic Chem I Lab | 1 | Core | C | CHE 320 | Organic Chem II Lab | 1 | Core | C | |
| | CHE 321 | Organic Chem I | 3 | Core | C | CHE 322 | Organic Chem II | 3 | Core | C | |
| | PHY 221 | Phys for Life Sci I | 3 | Major | C | BIO 300 | Cell Biology | 4 | Major | C | |
| | PHY 233 | Phys for Life Sci I Lab | 1 | Major | C | PHY 222 | Phys for Life Sci II | 3 | Major | C | |
| | MAT 251 | Calculus I | 3 | Spec Dgr | C | PHY 234 | Phys for Life Sci II Lab | 1 | Major | C | |
| | ENG 203/206 | Literature | 3 | Gen Ed | | ECO 211 | Microeconomics | 3 | Major | | |
| | Personal Development | 1 | Gen Ed | | | | 15 | | | | |
| | | 15 | | | | | | | | | |
| YEAR 3-Junior | CHE 440 | Biochemistry I | 4 | Major | C | CHE 351 | Phys Chem for Life Sci | 4 | Major | C | |
| | BIO 217 | Microbiology | 4 | Major | C | BIO 417 | Medical Microbiology | 4 | Major | C | |
| | BIO 349 | Human Anatomy | 4 | Major | C | BIO 350 | Physiology | 4 | Major | C | |
| | PSY 101 | General Psychology | 3 | Gen Ed | | BIO 328 | Genetics | 4 | Major | C | |
| | | | 15 | | | | | 16 | | | |
| | | | | | | PCAT exam should be taken. | | | | | |
| YEAR 4-Senior | CHE 311 | Quantitative Analysis | 5 | Core | C | CHE 441 | Biochemistry II | 3 | Major | C | |
| | COM 101/202 | Communication Studies | 3 | Gen Ed | | HIS 100/200 level | History | 3 | Gen Ed | | |
| | BIO 427 | Immunology | 4 | Major | C | | Humanities & Fine Arts | 3 | Gen Ed | | |
| | | Fine Arts | 3 | Gen Ed | | PHI 408 | Biomedical Ethics | 3 | Major | C | |
| | | | 15 | | | MAT 300 | Statistics | 3 | Spec Dgr | C | |
| | | | | | | | 15 | | | | |

¹All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).

- CHE 101 General Chemistry I requires math ACT subscore of 20 or higher **OR** MAT104 with a grade of C or better **OR** CHE 100 Introduction to Chemistry with a grade of C or better.

- MAT 104 College Algebra requires a math ACT sub-score of 20 or higher. 19 or below will place a student in co-requisite remediation.

- MAT 105 Trigonometry: Pre-requisite MAT 104 College Algebra **OR** ACT Math sub-score of 23.

- MAT 251 Calculus I: Pre-requisite MAT 104 College Algebra and MAT 105 Trigonometry **OR** ACT Math sub-score of 24 or higher.