

Molecular Biology – B.S. (MOBI)

Recommended Four-Year Plan (Fall 2014)

This recommended four year plan is provided as an **outline** for students to follow in order to complete their degree requirements within four years. This plan is a **recommendation** and students should only use it in consultation with their academic advisor.

Students should be aware that this plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill which do not appear on the four year plan.

First Year

| Fall Semester | HRS | ✓ | Spring Semester | HRS | ✓ |
|----------------------------------|-----------|---|-----------------------------------|-----------|---|
| BIOL 112 Principles of Biology I | 4 | | BIOL 113 Principles of Biology II | 4 | |
| ENWR 105 College Writing I | 3 | | ENWR 106 College Writing II | 3 | |
| See dept. list for MATH sequence | 4 | | See dept. list for MATH sequence | 4 | |
| CHEM 120 General Chemistry I | 4 | | Chem 121 General Chemistry II | 4 | |
| GNER 199 Fresh Sem | 1 | | | | |
| TOTAL | 16 | | TOTAL | 15 | |

Second Year

| Fall Semester | HRS | ✓ | Spring Semester | HRS | ✓ |
|-----------------------------------|-----------|---|---|-----------|---|
| BIOL 230 Cell & Molecular Biology | 4 | | BIOL 350 Microbiology | 4 | |
| CHEM 230 Organic Chemistry I | 3 | | CHEM 231 Organic Chemistry II | 3 | |
| CHEM 232 Organic Chemistry I Lab | 2 | | World Cultures | 3 | |
| General Education-Communications | 3 | | General Ed-Non-Western Cult. Persp | 3 | |
| General Ed-Social Science | 3 | | General Ed. – American/European History | 3 | |
| TOTAL | 15 | | TOTAL | 16 | |

Third Year

| Fall Semester | HRS | ✓ | Spring Semester | HRS | ✓ |
|--------------------------------------|-----------|---|---|-----------|---|
| BIOL 380-Genetics | 4 | | BIOL 434-Molecular Biology | 3 | |
| CHEM 370-Biochemistry I | 3 | | CHEM 371-Biochemistry II | 3 | |
| PHYS 191 OR PHYS 193 (see dept. seq) | 4 | | PHYS 192 OR PHYS 194 (see dept. sequence) | 4 | |
| World Languages | 3 | | World Languages | 3 | |
| General Ed-World Lit/Gen. Humanities | 3 | | General Ed.-Fine and Performing Arts | 3 | |
| TOTAL | 17 | | TOTAL | 16 | |

Fourth Year

| Fall Semester | HRS | ✓ | Spring Semester | HRS | ✓ |
|--------------------------------|--------------|---|----------------------|--------------|---|
| BIOL 435-Exper Molec Biol | 3 | | MOBI Major Elective | 3-4 | |
| MOBI Major Elective | 3-4 | | MOBI Major Elective | 0-2 | |
| CMPT 109 OR CMPT 183 | 3 | | BIOL 409 OR BIOL 418 | 4 | |
| General Ed-Philosophy/Religion | 3 | | Physical Education | 1 | |
| Free Elective | 0-3 | | Free Elective | 3 | |
| TOTAL | 12-16 | | TOTAL | 11-14 | |