

Biological Sciences Doctoral Program of Study (76 Credit Hours)

Year 1

| Fall | | Spring | |
|--|---------|--|---------|
| | Credits | | Credits |
| BIOL 5180 - Cell Biology | (3) | CHEM 5420-Advanced Biochemistry II | (3) |
| CHEM 5410 - Advanced Biochemistry I | (3) | CHEM 5600 - Spectroscopic Methods In Chemistry | (3) |
| BIOL 5100 - Literature and Methods in Research | (3) | AGSC 5060 - Statistics for Research | (3) |
| Total | (9) | Total | (9) |

At the end of Year 1 student will be administered a preliminary qualifying exam

Year 2

| Fall | | Spring | |
|---|------|-----------------------------------|------|
| BIOL 6100 - Frontiers in Molecular Sci. | (3) | BIOL 7120 - Molecular Biology | (3) |
| BIOL 7010 – Seminar in Biology I | (1) | BIOL 7020 - Seminar in Biology II | (1) |
| Elective | (3) | Elective | (3) |
| BIOL 8110 - Dissertation Research | (3) | BIOL 8110 - Dissertation Research | (3) |
| Total | (10) | Total | (10) |

The student must apply for admission to candidacy after completing the 24-hour core of required courses

Year 3

| | | | |
|-----------------------------------|-----|-----------------------------------|-----|
| Elective | (3) | Elective | (3) |
| Elective | (3) | Elective | (3) |
| BIOL 8110 - Dissertation Research | (3) | BIOL 8110 - Dissertation Research | (3) |
| Total | (9) | Total | (9) |

At the end of Year 3 Doctoral students will be administered a comprehensive examination.

Year 4

| | | | |
|------------------------------------|-----|------------------------------------|-----|
| Elective | (3) | Elective | (3) |
| *BIOL 8110 - Dissertation Research | (6) | *BIOL 8110 - Dissertation Research | (6) |

BIOL 5010 - Graduate Seminar I (1)

BIOL 5020 - Graduate Seminar II (1)

Total (10)

Total (10)

Total 76

***Student will successfully defend dissertation research during the last semester enrolled prior to gaining the Ph.D. degree.**