# NATURAL SCIENCES (MS) - BIOLOGY TRACK

## Program of Study
## Thesis Option

| Code | Title | Credit Hours |
|---|---|---|
| **Area 1 Program Core** | | |
| ENGL 5149G | Grant Writing | 3 |
| Area 1 Total | | 3 |
| **Area 2 Thesis Option Program Concentration** | | |
| BIOL 6795 | Biology Seminar Series (take 4 times for credit) | 4 |
| BIOL 6215 | Principles of Experimental Design and Applications in Biology | 4 |
| Select one Biology Elective from the following: | | 3-4 |
| BIOL 6515 | Advanced Selected Topics in Cellular and Molecular Biology | |
| BIOL 6516 | Advanced Selected Topics in Organismic Biology | |
| BIOL 6517 | Advanced Selected Topics in Ecological and Evolutionary Biology | |
| BIOL 6555 | Selected Topics in Biology | |
| Select 6-7 credits of any 5000+ BIOL, CHEM, ENVS, GEOL, GEOG with advisor approval [1] | | 6-7 |
| Area 2 Total | | 18 |
| **Area 3 Thesis Option** | | |
| BIOL 6931 | Master of Science Thesis Research (repeated for a total of 15 hours) | 15 |
| BIOL 6000 | Masters Thesis Defense | 0 |
| Area 3 Total | | 15 |
| **Total Credit Hours** | | **36** |

[1] Except BIOL 6821 Master of Science Literature / Topic Paper, which cannot be used in this area

## Non-Thesis Option

| Code | Title | Credit Hours |
|---|---|---|
| **Area 1 Program Core** | | |
| ENGL 5149G | Grant Writing | 3 |
| Area 1 Total | | 3 |
| **Area 2 Non-Thesis Option Program Concentration** | | |
| BIOL 6795 | Biology Seminar Series (take 4 times for credit) | 4 |
| BIOL 6215 | Principles of Experimental Design and Applications in Biology | 4 |
| Select one Biology Elective from the following: | | 3-4 |
| BIOL 6515 | Advanced Selected Topics in Cellular and Molecular Biology | |
| BIOL 6516 | Advanced Selected Topics in Organismic Biology | |
| BIOL 6517 | Advanced Selected Topics in Ecological and Evolutionary Biology | |
| BIOL 6555 | Selected Topics in Biology | |
| Select 15-16 credits of any 5000+ ATSC, BIOL, CHEM, ENVS, GEOL, GEOG with advisor approval [1] | | 15-16 |
| Area 2 Total | | 27 |
| **Area 3 Non-Thesis Option** | | |
| Select 6 credit hours from the following: | | 6 |
| BIOL 6821 | Master of Science Literature / Topic Paper | |
| BIOL 6698 | | |
| Area 3 Total | | 6 |
| **Total Credit Hours** | | **36** |

[1] Except BIOL 6821 Master of Science Literature / Topic Paper, which cannot be used in this area