

MS in General Biology Curriculum Map

(Rev. Oct. 2015)

| Courses | Program Learning Outcomes | | | |
|---|---------------------------|------|------|-------------|
| | 1 | 2 | 3 | 4 |
| Required course: BIO 611 Science Education Seminar | | | I, D | |
| Required course: BIO 643 Research Design | | I | I | |
| Required course: BIO 682 Pilot Study | | D | D | |
| Required course: BIO 633 History/Philosophy of Science | | | | I, D, M, A* |
| Elective biology lecture/discussion/lab courses (must take 4, additional courses may be taken): BIO 660, 661, 662, 663, 664, 665, 667, 668 (These courses have similar formats and expectations, but within the context of different subtopics in the field of biology.) | I, D | I, D | I, D | I, D |
| Required of MS: Non-thesis option students only: BIO 684 Comprehensive Exam | M,A* | M,A* | M,A* | |
| Required of MS Thesis-option students only: BIO 683A (Thesis Proposal) | | | D | |
| Required of MS Thesis-option students only: BIO 683B (IRB Proposal) | | | | |
| Required of MS Thesis-option students only: BIO 683C (Collect data) | | D | | |
| Required of MS Thesis-option students only: BIO 683D (Analyze data/write) | | D | | |
| Required of MS Thesis-option students only: BIO 683E (Write conclusions) | | D | D | |
| Required of MS Thesis-option students only: BIO 683F (Submit journal article and defend thesis) | M,A* | M,A* | M,A* | |

*Course syllabus must include the PLO as well as description of how the PLO will be assessed.