

Biology MS Roadmap (2 year plan)

	FALL SEMESTER	SPRING SEMESTER
Year 1	Biostatistics and Experimental Design 5050 – 4 Primary Literature in Biology 6100 – 1 Graduate elective* – 3 <p style="text-align: right;">8 units total</p>	Prof. Writing in the Biological Sciences 6020 – 2 Presentation in Biological Sciences 6030 – 1 Ethics in Biological Research 5010 – 1 Supervised Grad. Research in Biology 6930 – 1 Graduate elective* -3 <p style="text-align: right;">8 units total</p>
Year 2	Thesis proposal 6940 – 3 Advanced Topics content elective** – 2 Independent Grad. Research in Biology* 6953 – 3 <p style="text-align: right;">8 units total</p>	Graduate Thesis 6970 – 3 Independent Grad. Research in Biology 6953 – 3 <p style="text-align: right;">6 units total</p>

* 9 units of electives in Biology or related fields, a maximum of three of which can be Independent Graduate Research in Biology (695X). See detailed degree requirements below.

** A minimum of 2 units from 'Advanced Topics' content elective courses (Biol 6300 - 6390)

30 units total

Biology MS Roadmap (3 year plan)

	FALL SEMESTER	SPRING SEMESTER
Year 1	Biostatistics and Experimental Design 5050 – 4 Primary literature 6100 – 1 Graduate elective* – 3 <p style="text-align: right;">8 units total</p>	Prof. Writing in the Biological Sciences 6020 – 2 Presentation in Biological Sciences 6030 – 1 Ethics in Biological Research 5010 – 1 Supervised Grad Research in Biology 6930 – 1 Graduate elective* – 3 <p style="text-align: right;">8 units total</p>
Year 2	Thesis proposal 6940 – 3 Advanced topics content elective** – 2 <p style="text-align: right;">5 units total</p>	Independent Grad. Research in Biology* 6953 – 3 <p style="text-align: right;">3 units total</p>
Year 3	Independent Grad. Research in Biology 6953 – 3 <p style="text-align: right;">3 units total</p>	Graduate Thesis 6970 – 3 <p style="text-align: right;">3 units total</p>

Biology MS Degree Requirements (30 units)

BIOL 5010	Ethics in Biological Research*	1
BIOL 5050	Biostatistics and Experimental Design*	4
BIOL 6020	Professional Writing in the Biological Sciences	2
BIOL 6030	Presentation in Biological Sciences	1
BIOL 6100	Primary Literature in Biology	1
BIOL 6930	Supervised Graduate Research in Biology	1
BIOL 6940	Thesis proposal	3
Three units of Independent Graduate Research in Biology (from BIOL 6951 , 6952 , 6953 , 6954 , 6955 , and/or 6956)		3
Two units selected from Biology courses numbered 6300-6490.		2
Nine units of electives to be chosen from courses in biology or related fields. Courses taken outside the department to fulfill these electives require prior approval of the Graduate Committee and thesis advisor. A maximum of three units from any combination of independent study and independent research courses, taken in addition to the required Independent Graduate Research, may be applied toward these electives.		9
BIOL 6970	Graduate Thesis	3
Total Units		30

*Students who have completed [BIOL 5010](#) or [BIOL 5050](#) at the undergraduate level may substitute any other 5000- or 6000-level course, selected in consultation with their thesis advisor, to meet the unit requirements of the degree.