

## Biology Course Requirements for MA, MS, and PhD

Student: \_\_\_\_\_ Date: \_\_\_\_\_

<b>Minimum requirements:</b>	<b>MA</b>	<b>MS</b>	<b>PhD</b>
Total post-BS/BA hours:	30 hrs	30 hrs	36 hrs
Minimum @ 500/600 level:	21 hrs	15 hrs	15 hrs
<b>Total coursework hrs:</b>	<b>30 hrs</b>	<b>24 hrs</b>	<b>24 hrs</b>
Thesis (599) or Dissertation (699) Research:		6 hrs	12 hrs

Required courses	MA	MS	PhD
<b>With faculty/committee consultation, choose from among upper level and graduate structured courses in your field.</b>	28-29 hrs	19-22 hrs	19-22 hrs
BIOL-582 or BIOL-584: Graduate Seminar <sup>1</sup> (two semesters required for MS & PhD)	1-2	2-4	2-4
BIOL-5xx: Scientific Communication Practicum	-	1	1
BIOL 5xy- Research Colloquium (0-1) <sup>2</sup>	-	1	1
BIOL-591/691: Department Seminar (attendance is expected each semester)	0	0	0
<b>TOTAL COURSEWORK CREDIT HOURS</b>	<b>30</b>	<b>24</b>	<b>24</b>

<sup>1</sup> BIOL-582 (1-2 cr) and BIOL-584 (2 cr) may be taken multiple times for credit

<sup>2</sup> One credit hour is given for presenting at a research colloquium (eligible for second year students and beyond, or students entering the program with a MS degree).

**Coursework worksheet:**

Number	Course Title	Cr hrs	Semester/Yr
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
<b>Total hrs:</b>		_____	

## Biology Course Requirements for MA, MS, and PhD

### “Typical” PhD Student Schedule

Fall yr1	Spr yr1	Fall yr2	Spr yr2	
Lec (3)	Lec (3)	Lec ± Lab (2-4)	Lec ± Lab (2-4)	
Lec ± Lab (2-4)	Lec ± Lab (2-4)		SciCommP (1)	
ResCol (0) <sup>1</sup>	(695: Study for W.E.)	ResCol (1) <sup>1</sup>		
582/4 (1-2) <sup>2</sup>		582/4 (1-2) <sup>2</sup>		
591 (0)	591 (0)	691 (0)	691 (0)	
<b>6-9</b>	<b>5-7</b>	<b>5-7</b>	<b>3-5</b>	<b>= 20 -24</b>

### Specifics

<sup>1</sup> Facilitate preparation for Oral Exam, mentoring meetings, conferences etc... by requiring 20 min talk (Research Colloquium = 1 cr). First year students enroll for zero credit (unless they enter the program with a MS degree).

<sup>2</sup> As we often find it difficult to find faculty to teach BIOL 582 (CMR seminar) and BIOL 584 (EES special topics), we will offer these courses only once a year (in Fall), rather than twice a year. This would also help increase numbers in similar courses that have been developed by particular research groups (i.e. BIOL 535: Advanced Cell Biology). We will switch the course to the Spring semester every 2-3 years, so that all faculty have an opportunity to serve as instructors.