

- BIOL 781 – Topics in Population and Evolutionary Ecology (3 credits)
- BIOL 783 – Topics in Community and Ecosystem Ecology (3 credits)
- BIOL 784 – Topics in Applied Ecology and Conservation Biology (3 credits)
- BIOL 786 – Bioenergetics (3 credits)

Research Courses

MS students must complete 18 credits of 700-level courses.

PhD students must complete 24 credits of 700-level credits (excluding Biol 799).

The following “research based” classes may be used to satisfy 700-level requirements.

- Biol 702 – Biology Graduate Core (3 credits)
- Biol 789—Independent Graduate Study in Life Sciences (1-3 credits/semester; may be repeated for a max. of 9 credits).
- Biol 790—Research Colloquium in Life Sciences (1-2 credits/semester; repeated for a maximum of 9 credits).
- Biol 791—Research Laboratory Discussion in Life Sciences (1-2 credits/semester; may be repeated for a maximum of 9 credits toward the degree). Can be taken to receive credit for participating in Mentor’s lab meeting.

Seminar Requir4.9.7 (n) (ed)10.5 (f)-6.6 (or)fe Scien20.5 (f)-6.6 (or)fe Sci (78-2 (es)-2 ()JTJ /TT0 1 Tf 0.0
 2.554980.007

- Credits for the MS degree will be obtained from didactic classes at the 600 and 700 level.
- MS students must take Biol 701 — Ethics in Scientific Research (1 credit) during their first semester in the program and either attend the Ethics components of Biol 702 or complete UNLV RCR training.
- Students are encouraged to take Biol 70 2—Biology Graduate Core (3 credits; includes Ethics)
-
- MS students must take Biol 701 (1 credit), Biol 702 (2 credits), Biol 703 (1 credit), Biol 704 (1 credit), Biol 705 (1 credit), Biol 706 (1 credit), Biol 707 (1 credit), Biol 708 (1 credit), Biol 709 (1 credit), Biol 710 (1 credit), Biol 711 (1 credit), Biol 712 (1 credit), Biol 713 (1 credit), Biol 714 (1 credit), Biol 715 (1 credit), Biol 716 (1 credit), Biol 717 (1 credit), Biol 718 (1 credit), Biol 719 (1 credit), Biol 720 (1 credit), Biol 721 (1 credit), Biol 722 (1 credit), Biol 723 (1 credit), Biol 724 (1 credit), Biol 725 (1 credit), Biol 726 (1 credit), Biol 727 (1 credit), Biol 728 (1 credit), Biol 729 (1 credit), Biol 730 (1 credit), Biol 731 (1 credit), Biol 732 (1 credit), Biol 733 (1 credit), Biol 734 (1 credit), Biol 735 (1 credit), Biol 736 (1 credit), Biol 737 (1 credit), Biol 738 (1 credit), Biol 739 (1 credit), Biol 740 (1 credit), Biol 741 (1 credit), Biol 742 (1 credit), Biol 743 (1 credit), Biol 744 (1 credit), Biol 745 (1 credit), Biol 746 (1 credit), Biol 747 (1 credit), Biol 748 (1 credit), Biol 749 (1 credit), Biol 750 (1 credit), Biol 751 (1 credit), Biol 752 (1 credit), Biol 753 (1 credit), Biol 754 (1 credit), Biol 755 (1 credit), Biol 756 (1 credit), Biol 757 (1 credit), Biol 758 (1 credit), Biol 759 (1 credit), Biol 760 (1 credit), Biol 761 (1 credit), Biol 762 (1 credit), Biol 763 (1 credit), Biol 764 (1 credit), Biol 765 (1 credit), Biol 766 (1 credit), Biol 767 (1 credit), Biol 768 (1 credit), Biol 769 (1 credit), Biol 770 (1 credit), Biol 771 (1 credit), Biol 772 (1 credit), Biol 773 (1 credit), Biol 774 (1 credit), Biol 775 (1 credit), Biol 776 (1 credit), Biol 777 (1 credit), Biol 778 (1 credit), Biol 779 (1 credit), Biol 780 (1 credit), Biol 781 (1 credit), Biol 782 (1 credit), Biol 783 (1 credit), Biol 784 (1 credit), Biol 785 (1 credit), Biol 786 (1 credit), Biol 787 (1 credit), Biol 788 (1 credit), Biol 789 (1 credit), Biol 790 (1 credit), Biol 791 (1 credit), Biol 792 (1 credit), Biol 793 (1 credit), Biol 794 (1 credit), Biol 795 (1 credit), Biol 796 (1 credit), Biol 797 (1 credit), Biol 798 (1 credit), Biol 799 (1 credit), Biol 800 (1 credit)

- Primary Research Mentor & Academic Chair (Note: these are not always the same person²)
 - Two or three SoLS Graduate Faculty (Should include the SoLS Academic Chair if the Primary Research Mentor's primary appointment is not in SoLS)
 - Graduate College Representative who has official grad faculty status within another academic unit on campus
 - Outside University Member, who must be granted conditional Grad Faculty status
2. Doctoral students are required to complete a minimum of 60 credit hours of graduate work.
 - Credits for the PhD degree will be obtained from classes at the 600 and 700 level.
 - PhD students must enroll in Biol 701—Ethics in Scientific Research (1 credit) during their first semester in the program and either attend the Ethics components of Biol 702 or complete UNLV RCR training.
 - PhD students are required/highly recommended to take Biol 702 —Biology Graduate Core (3 credits) during their first semester in the program (waivers granted on an ad hoc basis from SoLS Grad Coordinator).
 - PhD students must take at least 6 credits of seminar classes listed above.
 - PhD students must participate in Biol 790—Research Colloquium in Life Sciences each semester even if they are not enrolled in the class for credit.
 - PhD students are required to take 12 credits of Biol 799—Dissertation . Students may enroll for more credits of Biol 799, but no more than 18 will count toward the degree.
 3. The student's Research Advisory Committee will determine the course of action and coursework for each individual PhD student.
 4. All PhD students are required to instruct two lab or discussion sections of a UNLV biology class.
 5. All PhD students must pass a comprehensive exam before being admitted to candidacy. PhD students

- Research credits (18 credits)
- Dissertation Proposal Writing (3 credits)
- Dissertation credits (12 credits)
- Work full time on research project (including summers).

Sample Program of Study: PhD Student

	<u>Credits</u>
6 didactic courses at the 600- or 700-level	18
Biol 701—Ethics in Scientific Research	1
Biol 702—Intro to the Grad Core	3
Biol 793/796—Graduate Seminars	6
Biol 789—Independent Study (Pre-thesis)	4
Biol 790—Research Colloquium	8
Biol 791—Research Lab. Discussions	5
Biol 767—Dissertation Proposal Grant Writing	3
<u>Biol 799—Dissertation</u>	<u>12</u>
TOTAL	60