

An Introduction to the

- Biol 625—G
- Biol 628—B
- Biol 653—In
- Biol 660—M
- Biol 664—Ba
- Biol 674—R
- Biol 678—C
- Biol 685—M
- Biol 702—B
- Biol 794—M
- Chem 770—
- Chem 771—
- Chem 772—
- EOH 747—T
- Geol 720—A
- Stat 691—S
- Stat 692—S

(3)

Research Courses

- MS students m
- PhD students m

The following "rese

- Biol 789—Inde
max. of 9 credit
- Biol 790—Resear

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- 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).
 - PhD students must take at least 6 credits of **Biol 796**—*Graduate Seminar* or **Biol 793**—*Advanced Topics*. Students may enroll for up to 9 credits, but they must participate each semester even if they are not enrolled.
 - 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 **Biol 767**—*Dissertation Grant Proposal Writing* (3 credits) one year after passing their comprehensive exam. Syllabus available upon request from Dr. Wing.
 - 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 are required to take this exam prior to the beginning of the sixth semester in their graduate program, typically this occurs in the 4th or 5th semesters. The comprehensive exam is administered by a separate Examination Committee that must exclude the student's research mentor. The exam consists of a written portion in the form of detailed written responses to comprehensive questions and an oral defense of the work to the Exam Committee.
 6. The PhD within SoLS is a Research Degree. Many credits will be earned in "research-oriented" courses that include summer work.
 7. Students must complete a written dissertation and publicly defend their work.

Typical timeline for the PhD Degree

Enroll in a minimum of 6 credits/semester to fulfill course and research requirements.

Year 1:

- Biology Graduate Core (3 credits)
- Ethics (1 credit)
- Seminars (3 credits)
- Colloquium (3 credits)
- Two didactic courses (6 credits)
- Spend full time in the laboratory or field over summer.

Year 2:

- Seminars (3 credits)
- Colloquium (3 credits)
- Three didactic courses (9 credits)
- Spend full time in the laboratory or field over summer.

² for clarification of these terms see SoLS Graduate Programs Handbook

- Take Comprehensive exam over the summer – must be taken before the start of your sixth semester.

Year 3-6:

- Colloquium (3 credits)
- 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