



University of Nevada, Las Vegas (UNLV)
College of Sciences, School of Life Sciences
B.S. Biology - Ecology & Evolutionary Biology Concentration (EAE)
2010 - 2012 Catalog

University and College Requirements for Graduation

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| 40 | A minimum of 40 Upper Division Credits required (ANY 300-400 level course) including credits shown above |
| 124 | A minimum of 124 Total Credits required (ANY 100-400 level course) including credits shown above |
| 62 | A minimum of 62 credits must be earned at a four-year institution |
| 30 | The last 30 credits must be completed in uninterrupted residence as a DECLARED major in the degree-granting college. |

| Requirement | Required Course | Credits | Required Course | Credits |
|-------------|-----------------|---------|-----------------|---------|
|-------------|-----------------|---------|-----------------|---------|

General Education Core: Minimum grade passing

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| General Education Core Requirements | English Composition: | | DISTRIBUTION REQUIREMENTS | |
| | English Composition: ENG 101 | 3 | Humanities and Fine Arts: (see course choices in the catalog--Academic Policies) | |
| | English Composition: ENG 102 | 3 | Humanities: 2 courses in two different fields | 6 |
| | Literature: Either ENG 231 or 232 (World Literature I or II) | 3 | Fine Arts: 1 appreciation or introductory course | 3 |
| | United States and Nevada Constitution | | Life & Physical Sciences and Analytical Thinking: Exempt | |
| | <i>One Course Option (fills both US and NV):</i> EITHER HIS 100 or PSC 101 | | Social Sciences: 3 courses in three different fields | |
| | <i>Two Course Option:</i> | | see course choices in the catalog--Academic Policies | |
| | US Constitution: HIST 101,106,401,412, PSC 304,330,409c, PUA 241 | 3 | Multicultural Requirement: (Multicultural issues within the United States only) | |
| | NV Constitution: HIST 102,217,402,417A, PSC 100,401D | 3 | see course choices www.unlv.edu/committees/gec | 3* |
| | Transfer students--see the Advising Center regarding Constitution | | International Requirement: (International issues outside the United States only) | |
| Mathematics: filled by major requirement MATH 181 Calculus I | below | see course choices www.unlv.edu/committees/gec | 3* | |
| <small>*Courses may simultaneously fill the Humanities, Fine Arts or Social Science requirements, but a single course may not simultaneously meet the Multicultural and International requirements</small> | | | | |

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| Electives | SCI 101 Student Orientation (REQUIRED for all first time freshmen who matriculate Fall 2007 forward) | 1 |
| | UNLV electives: 16 credits or enough to reach 124 total credits (these can be ANY 100-400 level courses offered at UNLV) | |
| | UNLV Upper Division electives: required ONLY to reach 40 Upper Division credits (these can be ANY 300-400 level courses offered at UNLV) | |

Biology Ecology & Evolution Major Course Requirements: Minimum overall BIOLOGY GPA 2.0

Biology Core Course Requirements: Minimum grade of C- is required in the Biology Core courses

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| Biology Ecology & Evolution Major Course Requirements | BIOL196/196L Biology I | 4 | BIOL 351 Microbiology - Prerequisite grade > C- BIOL 196, 197; CHEM 121 | 3 |
| | BIOL197/197L Biology II | 4 | BIOL415 Evolution -- prerequisite: grade ≥ C- in BIOL300 | 3 |
| | BIOL300/300L Genetics OR BIOL 304 Molecular Genetics -- prerequisite: ≥C- BIOL196,197;CHEM241,241L | | | 3 or 4 |
| | EAE Upper Division Course Requirements (Biology 300 and/or 400 level) | | | |
| | A minimum of 6 courses AND 24 upper division Biology credits are required (not incl BIOL 300 & 415) (See lists reverse) | | | |
| | (1) BIOL 341 Ecology | 3 | Select two courses from any two lists B, C and D. | |
| | Select one course from List A, one from List E, and one from either List A or E | | (5) List: | 4 |
| | (2) List A: | 3 | (6) List: | 3 |
| | (3) List E: | 4 | Additional Biology Upper Division electives (BIOL 441 strongly recommended): | |
| | 4) List A or E: | | | 3 |

Related Course Requirements: Minimum Grade passing (but ≥ C required for Chemistry minor)

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| Related Course Requirements | CHEM 121/121L: Corequisite MATH 127 or 128; prerequisite > C in CHEM 103; or pass Chem Pretest; see-- http://sciences.unlv.edu/Chemistry/policy.htm | | CHEM474 Biochemistry I | 3 |
| | | | Optional Chem minor: additional credits upper division chemistry | 9 |
| | CHEM121/121L General Chemistry I | 4 | Prerequisite ≥ C in MATH 127 or 128 for the following: | |
| | CHEM122/122L General Chemistry II | 4 | MATH181 Calculus I | 4 |
| | CHEM241 Organic Chemistry I | 3 | Either STA 391 Appl Stats for Biol Sci OR STA 491 Stats for Sci I | |
| | CHEM241L Organic Laboratory | 1 | PHYS151/151L General Physics I | 4 |
| | CHEM242 Organic Chemistry II | 3 | PHYS152/152L General Physics II | 4 |
| | CHEM242L Organic Laboratory | 1 | Recommended Courses: MATH 182 and CHEM 475 | |

UNLV College of Sciences Advising Center
MPE-A 130 702-895-2077

School of Life Sciences
WHI 101 702-895-3390

This worksheet is provided as a reference starting point and is not a substitute or replacement for the requirements of the UNLV 2008-2010 catalog. If there are any conflicts with the UNLV catalog or omissions or inclusions different from the appropriate catalog within this worksheet, the appropriate catalog shall control. There shall be no exceptions to this policy. All students are responsible for and expected to know the requirements of the appropriate catalog as applied to their particular status.