Evolution, Ecology, and Biodiversity, B.S. (2022-2023)

Major: 99-121 units
College of Biological Sciences

Graduation Requirements: Min. 180 units total, including 64 upper division units; Min. 2.0 GPA req. in major, depth, and cumulative
Residence Requirement: 35 of last 45 units must be completed at UC Davis
All major courses must be taken for a letter grade (excl. courses offered as P/NP)

Preparatory Requirements (59-73)

___ BIS 2ABC Biological Sciences
    ___ 5 BIS 2A (F, W, S)
    ___ 5 BIS 2B (F, W, S)
    ___ 5 BIS 2C (F, W, S)

___ CHE 2ABC General Chemistry
(CHE 4ABC is also accepted)
    ___ 5 CHE 2A (F, W)
    ___ 5 CHE 2B (W, S)
    ___ 5 CHE 2C (F, S)

___ CHE 8AB or CHE 118ABC Organic Chemistry
    ___ 2 CHE 8A (F, S)
    ___ 4 CHE 8B (F, W)

OR

    ___ 4 CHE 118A (F, W)
    ___ 4 CHE 118B (W, S)
    ___ 4 CHE 118C (F, S)

___ MAT 17ABC or MAT 21AB Calculus for Bio/Med
    ___ 4 MAT 17A or MAT 21A (F, W, S)
    ___ 4 MAT 17B or MAT 21B (F, W, S)
    ___ 4 MAT 17C (F, W, S)

MAT 21C recommended if taking MAT 21 series

___ PHY 7ABC General Physics
(PHY 9ABC is also accepted)
    ___ 4 PHY 7A (F, W, S)
    ___ 4 PHY 7B (F, W, S)
    ___ 4 PHY 7C (F, W, S)

Depth Requirements (40-48)

___ 4-8 STA 100 (F, W, S) or
    STA 130A (F) AND STA 130B (W) Statistics

___ 4 BIS 101 Genes and Expression (F, W, S)

___ 3 BIS 102 Structure and Function of Biomolecules (F, W, S)

___ 3 BIS 103 Bioenergetics and Metabolism (F, W, S)

___ 3 BIS 105* Biomolecules and Metabolism (F, W, S)
*If do not take BIS 102 AND 103

___ 3 BIS 104 Cell Biology (F, W, S)

___ 4 EVE 100 Introduction to Evolution (F, W, S)

___ 4 EVE 101 Introduction to Ecology (F, W, S)

___ 9-13 Biodiversity, Advanced Evolution and Ecology
Choose at least one course from Biodiversity and at least two courses in Advanced Evolution and Ecology:

Biodiversity: ENT 107, EVE 105, 108, 112, 140,
MIC/MMG 105, NEM 110, PLB 116, 148, PLS 147,
WFC 110, 111, 120, or 134

Advanced Evolution and Ecology: EVE 102, 103, 104,
106, 107, 110, 115, 117, 119, 120, 131, 138, 141, 147,
149, 150, 161, 180A and 180B, or 181

___ Restricted Elective Units and 6 hours of lab or Fieldwork

for Approved Course list:
Upper division units in biological science relevant to the student’s interest chosen in consultation with a BASC advisor to achieve a total of 49 or more units. At least one of the courses taken to fulfill these requirements must include a 6 hour per week laboratory or field component, or two courses with a 3 hour per week laboratory or field component—
see approved course options more details in UCD catalog

For detailed course information such as course titles, descriptions, and prerequisites, please see the UC Davis General Catalog. For current course offerings, please use Schedule Builder. Please note course offerings and degree requirements are subject to change; please consult with a BASC advisor to ensure graduation requirements are fully met.