### **CONCENTRATION IN ECOLOGY & EVOLUTIONARY BIOLOGY**

MAJOR MAP | 2019-2020



### **YOUR CLASS SCHEDULE**

# **ACADEMIC ADVISING**

## **ENRICHING EXPERIENCES**

# **LIFE LONG** SUCCESS

- · Take your core classes. Focus on classes that are prerequisites to higher division courses: MATH 1508 or 1411; BIOL 1305/1107 and 1306/1108; and STAT 2408.
- Select a GEOL or PHYS course.
- · Meet with your advisor in the College of Science Advising Center, Bell Hall 100.
- Attend group advising sessions in the Biology Department.
- · Consult your four-year plan.
- · Ask your advisor about joining a learning community.
- · Discover volunteer opportunities at the Center for Civic Engagement.
- · Visit career fairs and expos and investigate career options.

- Take the required 2000-level courses.
- · Select two of the following courses: BOT 2410, ZOOL 2406, ZOOL 2466, or MICR
- Consult your degree plan for required courses.
- Explore elective courses; prioritize courses that promote and enhance critical thinking.
- · Meet with your advisor in the College of Science Advising Center, Bell Hall 100.
- Attend group advising sessions in the Biology Department.
- Consult your four-year plan.
- · Consult your advisor regarding the availability of BOT and ZOOL classes.
- · Join Environmental Advocates and explore SACNAS.
- · Discover research and volunteer opportunities in faculty labs.
- Explore internship opportunities and investigate interning abroad.
- · Discover on-campus tutoring resources.

- · Complete all course requirements, including BIOL 3192, 3316-3317, 3320, and 3321.
- Consult your advisor about selecting electives from the recommended areas.
- · Meet with your advisor in the College of Science Advising Center, Bell Hall 100.
- Attend group advising sessions in the Biology Department.
- Consult your four-year plan.
- Request approval for any non-standard elective courses.
- · Discover a National Science Foundation Research Experience for Undergraduates.
- · Apply for a SACNAS national conference or travel scholarship.
- · Volunteer for a local environmental organization.
- Explore opportunities to advance your education with STEMGrow.
- · Explore graduate opportunities, including UTEP's Ph.D. in Ecological and Evolutionary Biology.
- · Ask your advisor about enrolling in a fast track graduate program.
- · Prepare for any necessary graduate exams.

- · Complete remaining upper division BIOL courses.
- · Consult your advisor about selecting electives from the recommended areas.
- · Meet with your advisor in the College of Science Advising Center, Bell Hall 100.
- Apply for graduation by the deadline.
- Request approval for any non-standard elective courses
- · Cultivate environmental awareness and develop research skills at UTEP's Biodiversity Collections and the India Ranch Research Station.
- Discover a unique volunteer opportunity in your field at the Rio Bosque Wetlands Park.
- Engage in discussions about leadership and innovation at UTEP L.I.V.E.
- · Visit the University Career Center and update your resume and CV.
- · Take any necessary graduate exams.

UPDATED 03/29/2018

### **EDGE ADVANTAGES:**

- Leadership
- · Problem-solving
- Communication
- Entrepreneurship Social Responsibility
- Confidence Global Awareness
  - Teamwork
  - Critical Thinking

### **CAREER POSSIBILITIES:**

- Physician (M.D./D.O.)
- Physician Assistant
- Optometrist Denstist
- Veterinarian

- Pharmacist
- Research Scientist
- · Laboratory Technician
- Teacher



# Bachelor of Science in Biological Science CONCENTRATION IN ECOLOGY & EVOLUTIONARY BIOLOGY

UTEPEDGE

MAJOR MAP | 2019-2020

College of Science

Bell Hall 100 747-5536 The University of Texas at El Paso El Paso, Texas 79968-0509

### **Bachelor of Science Degree Plan**

Updated:
PROPOSED Oct 14

Biology - Ecology/Evolution Concentration Minimum Requirement (120/37)

Name Address Date

Major: Environmental Science - Biology Concentration Minor: None

Department Chair: Dr. Bruce Cushing

At Least C Grades in Lower Division Math Courses & Core Curriculum At Least C Grades in Lower Division Courses in the Major & Minor At Least 2.0 GPA overall and in the major

Departmental Academic Advising: TBA

### REQUIREMENTS \*\*\*

|   | Items Subjects Has                      | Needs |   |   | Items Subjects                              | Has                                     | Needs   |  |
|---|---|-------|---|---|---|---|---------|--|
| Α | General Education                       |       |   | В | MAJOR: Biology (40/                         | 21)                                     |         |  |
|   | (Minimum "C" grades required)           |       |   |   | BIOL 1305-1107, BIOL                        | 1306-1108,                              | 8       |  |
|   |   |       |   |   | BIOL 3192                                   |   | 1       |  |
| 1 | Communication:                          | 6     |   |   | BIOL 3316-3117,                             |   | 4       |  |
|   | COMM 1611, ESOL 1311, ESOL 1312,        |       |   |   | BIOL 3320                                   |   | 3       |  |
|   | RWS 1301, RWS 1302, RWS 1601            |       |   |   | BIOL 3321                                   |   | 3       |  |
|   |   |       |   |   | Select at least 1 from t                    | he following:                           | 3       |  |
| 2 | Mathematics                             |       |   |   | BOT 3437, BIOL 3342                         | , BIOL 3417                             |         |  |
|   | MATH 1411                               | 4     |   |   | Select at least 1 from t                    | Select at least 1 from the following: 3 |         |  |
|   | MATH 1312 or STAT 2480                  | 3     |   |   | ZOOL 3468, 4476, 447                        | 78, BIOL 4327, BIOL 43                  | 24      |  |
|   |   |       |   |   |   |   |         |  |
| 3 | Life and Physical Sciences **           |       |   |   | Select additional Lowe                      | r division hours in major               | 8       |  |
|   | CHEM 1305-1105, CHEM 1306-1106,         | 8     |   |   | BOT 2410, MICR 2340-2141, ZOOL 2406, 2466   |   | 66      |  |
|   | Choose one sequence from the following: | 8     |   |   |   |   |         |  |
|   | GEOL 1211-1111, 1212-1112 or            |       |   |   |   |   |         |  |
|   | PHYS 2320-2120, 2321-2121               |       |   |   | Additional Upper division                   | on hours in major:                      | 7       |  |
|   | PHYS 1403-1404                          |       |   |   |   |   |         |  |
|   |   |       |   |   |   |   |         |  |
| 4 | Languge, Philosophy, & Culture          |       |   |   |   |   |         |  |
|   | ENGL 2311, 2312 2313, 2314, 2318,       | 3     |   |   |   |   |         |  |
|   | HIST 2301, 2302, PHIL 1301, 2306        |       |   |   |   |   |         |  |
|   | FREN 2322, RS 1301, SPAN 2340,          |       |   |   |   |   |         |  |
|   | WS 2300, WS 2350                        |       |   | С | No Minor - Field of St                      | tudy                                    | 24      |  |
|   |   |       |   |   | Strongly recommended                        |   |         |  |
| 5 | Creative Arts                           |       |   |   |   | ESCI, GEOG, GEOL,                       | GEOP    |  |
|   | ART 1300, ARTH 1305, ARTH 1306.         | 3     |   |   | Additional courses in BIOL, BOT, MICR, ZOOL |   |         |  |
|   | DANC 1304, FILM 1390, MUSL 1321,        |       |   |   | All other course codes                      | require departmental a                  | oproval |  |
|   | MUSL 1324, MUSL 1327, THEA 1313         |       |   |   |   |   |         |  |
|   |   |       |   |   | At least 13 need to be                      | Upper division hours                    |         |  |
| 6 | American History                        |       |   |   |   |   |         |  |
|   | HIST 1301                               | 3     |   |   |   |   |         |  |
|   | HIST 1302                               | 3     |   |   |   |   |         |  |
|   |   | -     |   |   |   |   |         |  |
| 7 | Government/Political Science            |       |   |   |   |   |         |  |
|   | POLS 2310                               | 3     |   |   |   |   |         |  |
|   | POLS 2311                               | 3     |   |   |   |   |         |  |
|   |   |       |   |   |   |   |         |  |
| 8 | Social and Behavioral Sciences          |       |   |   |   |   |         |  |
|   | ANTH 1301, 1302, 1310, 2320, CE 2326,   | 3     |   |   |   |   |         |  |
|   | COMM 2350, 2372, ECON 2303, 2304,       |       |   |   |   |   |         |  |
|   | EDPC 1301, EDU 1342, ENGL 2320,         |       |   |   |   |   |         |  |
|   | GEOG 1310, LING 2320, 2340, PSYC 1301,  |       |   |   |   |   |         |  |
|   | SOCI 1301, SOCI 1310                    |       |   |   |   |   |         |  |
|   |   |       |   |   |   |   |         |  |
| 9 | Component Area Option                   |       |   |   |   |   |         |  |
|   | BUSN 1301, COMM 1301, COMM 1302,        | 6     |   |   |   |   |         |  |
|   | CS 1310, CS 1320, SCI 1301, UNIV 1301   | -     | - |   |   |   |         |  |
|   | , |       | - |   |   |   |         |  |
|   |   |       |   |   | TOTAL HOURS                                 | 0                                       | 12      |  |

COMMENTS:

Dr. Nancy Marcus, Associate Dean, College of Science

120

This degree plan is just a sample. Your individualized degree plan may differ