

BIOENVIRONMENTAL SCIENCES - BS

Program Requirements

First Year

		Semester Credit Hours
Fall		
BESC 201	Introduction to Bioenvironmental Sciences	3
BIOL 111 or BIOL 101	Introductory Biology I or Botany	4
ECCB 205	Fundamentals of Ecology	3
ECCB 215	Fundamentals of Ecology–Laboratory	1
Social and behavioral sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences) ¹		3
Semester Credit Hours		14
Spring		
BIOL 112 or BIOL 107	Introductory Biology II or Zoology	4
Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication) ¹		3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) ¹		3
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) ¹		3
Bioenvironmental group elective ²		3
Semester Credit Hours		16
Second Year		
Fall		
CHEM 119	Fundamentals of Chemistry I	4
PLPA 301	Plant Pathology	3
PLPA 303	Plant Pathology Laboratory	1
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) ¹		3
Bioenvironmental group elective ²		3
Semester Credit Hours		14
Spring		
CHEM 120	Fundamentals of Chemistry II	4
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ¹		3
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts) ¹		3
Bioenvironmental group elective ²		3
Technical elective ³		3
Semester Credit Hours		16

Third Year

Fall		
CHEM 222 or CHEM 227	Elements of Organic and Biological Chemistry or Organic Chemistry I	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ¹		3
Mathematics (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics) ¹		3
Technical elective ³		3
General elective ¹		3
Semester Credit Hours		15
Spring		
GENE 310	Principles of Heredity	3
Mathematics (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics) ¹		3
Bioenvironmental group elective ²		3
Technical elective ³		3
General elective ¹		3
Semester Credit Hours		15
Fourth Year		
Fall		
SCSC 301	Soil Science	4
Select one of the following:		3
STAT 201	Elementary Statistical Inference	3
STAT 301	Introduction to Biometry	3
STAT 302	Statistical Methods	3
STAT 303	Statistical Methods	3
Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication) ¹		3
Bioenvironmental group elective ²		3
Technical elective ³		3
Semester Credit Hours		16
Spring		
BESC 481	Seminar	1
BESC 484	Field Experience	3
Bioenvironmental group elective ²		3
Technical elective ³		4
General elective ¹		3
Semester Credit Hours		14
Total Semester Credit Hours		120

¹ Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) courses and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement. Select in consultation with an academic advisor.

² Select 18 hours from BESC 204, BESC 311, BESC 314, BESC 320, BESC 357, BESC 367, BESC 401, BESC 402, BESC 403, BESC 411, BESC 431, BESC 489, SCSC 405, Other courses approved by advisor.

³ Courses may be selected from categories designed to reflect the professional aspirations of the student. Courses to be selected in consultation with academic advisor, select 16 hours from ACCT 209; AGEC 344, AGEC 350, AGEC 429; AGSM 335, AGSM 360, AGSM 337, AGSM 477; ANSC 326/FSTC 326, ANSC 327/FSTC 327; ATMO 201; BESC 485, BESC 491; BICH 303, BICH 410, BICH 411; BIOL 213, BIOL 214, BIOL 357, BIOL 440; CHEM 242, CHEM 228, CHEM 237, CHEM 238, CHEM 316, CHEM 318; ECCB 308, ECCB 309, ECCB 320, ECCB 351, ECCB 403, ECCB 460/RPTS 460; ENTO 201, ENTO 424; FINC 409; GENE 412, GENE 431/BICH 431, GENE 432/BICH 432; GEOG 201, GEOG 202, GEOG 203, GEOG 205, GEOG 213, GEOG 330, GEOG 380, GEOG 390, GEOG 398, GEOG 434, GEOG 435, GEOL 101, GEOL 104, GEOL 410, GEOL 420; GEOS 105; HIST 359, HORT 201, HORT 202, HORT 313; HMG 207; ISTM 209; FSTC 201; MGMT 209, MGMT 309; MKTG 409; OCNG 320; PHIL 314; PHLT 305, PHLT 330, PHLT 331; PHYS 201, PHYS 202, PHYS 206; POLS 306, POLS 347, POLS 461; RWF 306, RWF 308, RWF 314, RWF 375, RWF 405, RWF 406, RWF 407, RWF 411, RWF 420, RWF 428, RWF 436, RWF 440, RWF 470, SCSC 105, SCSC 201, SCSC 205, SCSC 302, SCSC 310, SCSC 311, SCSC 315, SCSC 330, SCSC 406, SCSC 410, SCSC 411/GENE 411, SCSC 420, SCSC 421, SCSC 444, SCSC 455, SCSC 458; SOCI 328; URP 360; URP 370; URP 460; VTPB 221, VTPB 423, WFSC 425.