General Education (University) Requirements

Successful completion of a minimum of 120 credit hours with a minimum GPA of 2.00.

Two approved diversity courses, at least one of which is in Diversity Category 1 (D1, Race & Racism in the U.S.).

(D1) ____________________________  (D1 or D2) ____________________________

An approved Sustainability (SU) course ____________________________

An approved Foundational Writing and Information Literacy Course (ENGS001, HCOL085, or a TAP class) ____________________________

An approved Quantitative Reasoning (QR) course ____________________________

College Requirements

A. Knowledge

1. Science:

   a. *Physical and Life Sciences: two courses in subjects such as anatomy, animal science, biology, chemistry, ecology, entomology, food science, forestry, geology, horticulture, genetics, microbiology, nutrition, physics, physiology, plant biology, and soil science.

      ____________________________  ____________________________

   b. Social Science: two courses in subjects such as anthropology, community development, economics, geography, history, political science, public policy, psychology, and sociology.

      ____________________________  ____________________________

2. Humanities and Fine Arts: two courses in subjects such as art, classics, history, literature, music, philosophy, religion, language, and theater.

      ____________________________  ____________________________

B. Skills

1. Communication Skills:

   a. Oral: two courses:

      CALS 001 or CALS 183 (or equivalent) where primary focus is public speaking.

      ____________________________

      and an additional course or series of courses in which students present a total of at least three graded speeches to a group.

      ____________________________ (____________________) (____________________)
b. **Written: two courses:**

any English writing course (fulfilled by the Gen. Ed. Requirement for FWIL, see above)

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and an additional course or series of courses that uses the writing process (redrafting) for a minimum of three graded papers in total.

________________________  (____________________)  (____________________)

2. **Information Technology:** one course: CALS 002 or CALS 85, or equivalent

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3. **Quantitative Skills:**

   a. ***Mathematics: one course:** Math 9 or higher ((fulfilled by the Gen. Ed. Requirement for QR, see above)

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   b. ***Statistics one course:** Statistics 111 or higher or equivalent.

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*Requirements marked with an asterisk are filled by completion of Plant Biology major requirements*

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**Plant Biology Major Requirements**

**Required Foundational Courses:**

Exploring Biology, BCOR 011 and BCOR 012 or BCOR 021 or approved equivalent

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Inorganic Chemistry, CHEM 031 and CHEM 032

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Organic Chemistry, CHEM 141 and CHEM 142

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Calculus, MATH 019 and MATH 020 or MATH 021 and MATH 022

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Physics, PHYS 011 and PHYS 021 or PHYS 051

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Statistics, STAT 141 or STAT 211 or NR 140

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Required Major Courses:

Genetics (BCOR 101)

Ecology and Evolution (BCOR 102) or Molecular and Cell Biology (BCOR 103)

Plant Physiology (PBIO 104)

Plant Systematics (PBIO 109) or Morphology & Evolution of Vascular Plants (PBIO 108)

Senior Capstone (PBIO 295)

At least 12 additional PBIO credit hours at the 100 or 200 level. At least 6 of these must be at the 200 level†.

†Note: PBIO 185 and 187 do not fulfill this requirement.

Required Elective Courses:

An additional 12-14 credits of advanced (≥100-level) elective courses relevant to plant biology, selected in consultation with the advisor.

Acceptable courses include - but are not limited to - the following:

ASCI 230; BCOR 103; BIOL 168, 202, 203, 208, 209, 238, 254, 263, 264, 265, 269, 270, 271, 280; ENSC 201; ENVS 160; FOR 121, 122, 146, 225, 228; GEOG 140, 144, 184, 185; GEOL 101, 151, 217; MMG 101, 104, 201, 211, 220, 225, 231, 232, 233, 240; NFS 243; NR 103, 141, 146, 220, 224, 228, 242, 243, 245, 260, 268; PBIO 108, 109, 117, 151, 177, 209, 213, 223, 226, 232, 241, 251, 260, 261, 275, 294; PHRM 200, 272, 290; PSS 117, 161, 162, 261, 268; Special Topics courses at advisor’s discretion; Undergraduate Research for credit.