

# 2024 - 2025 Certificate Map

## Biomimicry

School/College: [College of Global Futures](#)

Location: [Tempe](#)

## Program Requirements

The certificate in biomimicry consists of 18 credit hours, 12 of which are upper division. It takes a minimum of four semesters to complete, due to course sequencing.

A grade of "B" or better is required in all biomimicry certificate courses. Students who earn a "B-" or lower in a certificate course must repeat the course to earn a "B" or better.

Students should complete SOS 110 prior to enrolling in the certificate or in the first semester of enrollment.

### Core Courses -- 12 credit hours

[BMY 230 / BIO 230: How Nature Works](#) (3)

[BMY 302: Principles of Life](#) (3)

**Notes:** BMY 302 is typically only offered in spring semester.

[BMY 304: The Practice of Biomimicry](#) (3)

**Notes:** BMY 304 is typically only offered in fall semester.

[SOS 110: Sustainable World \(SUST OR SB\)](#) (3)

### Upper Division Elective -- 3 credit hours

Upper Division Elective (3)

**Notes:** Students must complete BMY 230, BMY 302 and BMY 304 prior to the upper division elective. The elective must be biomimicry related and ideally makes a connection between the student's major and the certificate. Students are responsible for identifying elective options and submitting a proposal prior to taking the course. Students must be prepared to present a course syllabus and explain how they will apply biomimicry directly to course assignments. After completing the course, students must complete and submit a one-page form that guides them to reflect on their goals for applying biomimicry to the course, whether and how they succeeded, and what they learned in the process. The course will not be moved in the DARS audit to show completion of the requirement until after the student has completed and submitted the form, which will be provided to them upon approval of the elective. Email [cgfadvising@asu.edu](mailto:cgfadvising@asu.edu) with questions about the upper division elective.

## Capstone -- 3 credit hours

### Upper Division Capstone (3)

**Notes:** Students must select either BMY 430, or a biomimicry-focused capstone in their corresponding major, or BMY 499 Independent Study (if options 1 and 2 are unavailable). Students must complete BMY 230, BMY 302, and BMY 304 prior to the capstone. With the exception of BMY 430, students are responsible for identifying capstone options and submitting a proposal prior to taking the course. Students must be prepared to provide a course syllabus and explain how they will apply biomimicry directly to course assignments. After completing the course, students must complete and submit a one-page form that guides them to reflect on their goals for applying biomimicry to the course, whether and how they succeeded, and what they learned in the process. The course will not be moved in the DARS audit to show completion of the requirement until after the student has completed and submitted the form, which will be provided to them upon approval of the capstone. Email [cgfadvising@asu.edu](mailto:cgfadvising@asu.edu) with questions about the capstone.

Prerequisite courses may be needed in order to complete the requirements of this certificate.