Computational Life Sciences (Graduate Certificate)

Computational approaches are transforming the life sciences. In silico approaches complement traditional bench-based approaches to gain novel insights across the spectrum of life sciences. Successful completion of this program will give you the knowledge and ability to apply computational approaches in the life sciences.

Program Description

Degree Awarded: Certificate Computational Life Sciences (Certificate)

Students in the computational life sciences graduate certificate program develop expertise in the understanding, interpretation and analysis of diverse data types generated from a range of life sciences disciplines, including ecology, botany, evolutionary biology, neuroscience, molecular and cellular biology, and animal behavior.

At a Glance

- College/School: The College of Liberal Arts and Sciences
- Location: Tempe campus

Degree Requirements

Required Core (1 credit hour)
BIO 611 Current Topics in Responsible Conduct of Research (RCR) in Life Sciences (1)

Electives (15 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)
Additional Curriculum Information
Elective coursework is selected from a restricted list in consultation with the academic unit.

Admission Requirements
Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in life sciences or related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

1. graduate admission application and application fee
2. official transcripts
3. professional resume
4. written statement
5. proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The professional resume should show the applicant's skills and previous training.

The written statement should discuss the applicant's future career goals, to better assist the student with selecting the most applicable set of courses in computational life sciences.

Contact Information
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