

**Application to the Summer Program
for Teachers of Biological Science**
University of Arizona
Tucson, Arizona

Answer all questions completely. Incomplete applications will not be considered. Information may be either typed or neatly handwritten. If you have any questions about this form, please contact Ellie Warder at 520-621-5903.

ALL APPLICANTS PLEASE ANSWER THESE QUESTIONS:

(Mr.)
Name: (Ms.) _____
Last, First Middle

Home address: _____
street

city, state, zip

School Address: _____
school name, district

street

city, state, zip

Telephone: (home) _____ (work) _____

Your email address: _____

Number of years you have taught: _____

Grades in which you teach math or science: _____

ARIZONA TEACHERS ONLY, PLEASE ANSWER THE FOLLOWING QUESTIONS:

Number of students to whom you teach math or science: _____

Is your school located on a reservation? _____

Is your school classified as Title 1? _____ Yes _____ No

Arizona county in which your school is located: _____

ALL APPLICANTS PLEASE ANSWER THESE QUESTIONS:

Educational Background: List all college degrees that you have earned.

Name of Institution & Location	Major	Minor	Start & End Dates (Mo./Yr.)	Degree & Date	Grade Point Average

The following courses are offered on **special dates** which start in Summer Session I and continue into Summer Session II. You are allowed to enroll in a maximum of 2 courses per summer. Please check the course(s) that you are interested in taking:

Winter Session/Spring 2011 (Dec 20 –May 12) Online format

_____ BIOC 651 Biology of Nutrition for Teachers (3u)

Summer 2011 (early June to the end of July; exact dates TBA) Online format

_____ BIOC 623D Biology Update 2 (ecology & evolutionary biology topics) (3u)

_____ BIOC 654 Evolution and the Early Earth (2u)

_____ BIOC TBA Curricula class (3u)

The above course information is subject to change. Please check our website <http://biology.arizona.edu/sciconn> for the most up-to-date information.

COURSE DESCRIPTIONS

Courses are designed for teachers with a good background in biology (a minimum of 18 units). If you have questions about your background, call Dr. Lisa Elfring at 520-621-1671. **You may enroll in a maximum of 2 of these courses in one summer. If you wish to take additional units of credit, you must get permission from both Dr. Elfring and the Dean of the Graduate College.**

Biology Update 1 (BIOC 623c)

This online course will focus on recent advances in the understanding of basic biology and on new applications in cellular and molecular aspects of biology. A limited number of in-service Arizona middle/high school teachers will receive a \$600 scholarship towards the cost of the course. The cost of the course is ~\$1,350, and it begins June 7 and ends July 30, 2010. Instructors: Jim Ware, M.S. and Lisa Rezende, Ph.D.

Secondary Biology Laboratory Curricula (BIOC 633)

What are the characteristics that most great instructional activities share? How can you modify an existing activity to increase study involvement, interest, and understanding? How can you make use of current events to communicate with students about the fun and complexity of doing science? And how do national and state science standards drive your curricular choices? We will explore these ideas by using and discussing exemplary curricula taken from a variety of sources. The emphasis will be for teachers to adapt classroom activities to reflect the results of research on teaching and learning in science, and to promote greater student understanding in biology. A limited number of in-service Arizona middle/high school teachers will receive a \$600 scholarship towards the cost of the course. The cost of the course is ~\$1,350, and it begins June 7 and ends July 30, 2010. Instructor: TBA

Microbiology for Teachers (BIOC TBA)

Learn to speak fluently about basic principles in microbiology including microbial growth, host-microbe relationships, virology, pathogenesis and the immune response, and antimicrobial chemotherapy. Use the case-study method to explore current issues and controversies in microbiology. Modify existing microbiology laboratory protocols for your classroom using reagents and equipment available at your school. Develop or modify a microbiology teaching module appropriate for the grade-level you teach. Exchange information with other teachers on how to best teach the principles of microbiology to students at a variety of different grade levels. A limited number of in-service Arizona middle/high school teachers will receive a \$600 scholarship towards the cost of the course. The cost of this online course is ~\$1,350, and it begins June 7 and ends July 30, 2010. Instructor: Lisa Rezende, Ph.D.

Statistics for Research (MATH TBD)

Tentatively scheduled. More information will be available shortly.

**UNIVERSITY OF ARIZONA
REGISTRATION FEES FOR SPRING 2010**

Cost per Session

Units	Total Fees
1	\$517.06
2	\$915.06
3	\$1,313.06
4	\$1,736.06
5	\$2,134.06
6	\$2,532.06

There is an additional \$85 technology fee charged per online course. The University of Arizona does not charge out-of-state tuition during the summers. Students may enroll in up to 7 units per session (i.e., 1-2 of our online courses).

The registration fee schedule for Summer 2010 is not yet available, but you should expect the cost per unit to be about the same or slightly higher than Spring 2010. Check the UA website [<https://www.arizona.edu/student link/>](https://www.arizona.edu/student_link/) for the latest information.