

students who have participated in the MBRS program have been accepted by professional schools for post-graduate work.

RIMI (Research Improvement for Minority Institutions): This program, an interdisciplinary effort between the Biology and the Physics faculties at CSU, gets students involved in electron microscope research.

SUMMER RESEARCH: Summer research linkages have been established between Biology and the University of Illinois at Chicago, the University of Iowa, the University of Minnesota, and the University of Chicago. These programs are intended primarily for minority students and provide a stipend as well as transportation and housing allowances.

ONGOING RESEARCH: Research opportunities have been established with several nearby institutions including Argonne National Laboratory, Chicago Horticulture Society Botanical Gardens, Field Museum of Natural History, Garfield Park Conservatory (arrangements in progress) and the University of Chicago. Stipends for the student are available in each case.

INTERNSHIPS: To further assist the student in securing meaningful employment, the department is continually seeking internships with various Chicago area industries and institutions. Internships enable the student to gain valuable work experience prior to graduation. Experience at other schools indicates that many biology majors enter full-time employment with their internship companies or institutions. Only about 10 hours a week are involved for a period of one school year, and course credit toward graduation is earned. Internships are normally done in the student's junior or senior year.

Abbott Laboratories, a large Chicago area manufacturer of health products and pharmaceuticals, is participating in this program in an outstanding way. They seek group leaders and project managers for their business teams, and, to this end, they come onto CSU's campus to teach and train our students during

special seminars. Training at their facilities completes the internship.

Successful completion of an undergraduate research program or internship can be an impressive credential to facilitate entry into the business world or graduate school. We are proud to offer these programs.

Beyond the Classroom: *relax*

Biology majors have available a number of outside-the-classroom activities, a few of which are listed below:

The Biological Society is made up of undergraduates and meets about once a month. Bake sales and plant sales support club functions such as short vacation trips during the spring break.

Majors attending the weekly Departmental Seminars are welcome to meet the speakers and enjoy refreshments afterwards.

At year's end, a Departmental Honors Awards Luncheon is held to honor those majors who have shown academic achievement/improvement in specific courses or commendable accomplishment as research assistants during the previous school year.

Financial Assistance

Students admitted to Chicago State may apply for various forms of financial assistance, examples of which are: Chicago State University Presidential Scholarships, Illinois State Scholarship Commission Monetary Award Program (MAP), Paul Douglas Teacher Scholarships, Perkins Loans (formerly National Direct Student Loans), Stafford Student Loan Program, and Supplemental Educational Opportunity Grants.

Biology majors have available these additional sources of financial assistance:

*** research assistantship salaries through the AMP and MBRS programs and through NSF and NIH grants to individual faculty members**

*** course and laboratory assistantship positions in particular courses through the department's Undergraduate Assistantship Program**

*** stipends from link-up programs with other universities (detailed elsewhere)**

Members of the biology faculty are available to assist the student in getting financial aid. Among other things, faculty members write letters of recommendation for scholarships and direct students to the office of Financial Aid (CSU) for loan advice and for assistance in filling out the forms required for many financial aid programs.

Postscript

The Biology Department has put in place the various programs mentioned here to help you get through...to GRADUATE and then to secure satisfying employment. You may arrange a tour of the department to see our facilities and meet with some of the faculty and students. We look forward to meeting you.

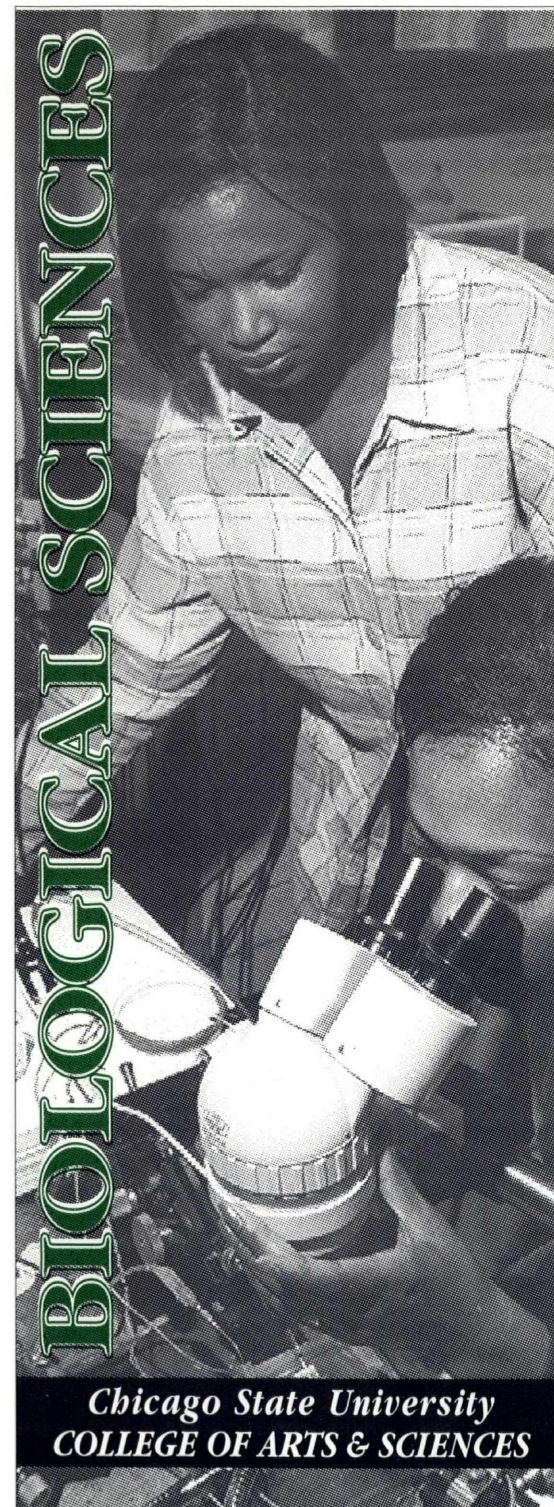
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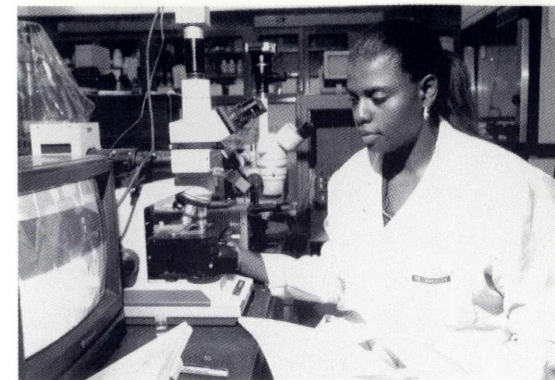
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YOUR FUTURE . . .

as a major in the Biological Sciences

BIOLOGY is the study of plants, animals, bacteria, and all forms of life and their relationships to one another and to the environment. The Department of Biological Sciences at Chicago State University is located in the Williams Science Building in the center of campus. This building houses all of the classrooms, laboratories, and faculty offices used by the department plus a new, award-winning greenhouse. The university library is just north of Williams, and the new student center is just east. Thus, all the physical facilities needed to support the biology major are provided in one compact area of the campus.

Chicago State University and Biology: a friendly environment

Unlike most universities, Chicago State stresses the importance of teaching. Nowhere is this more evident than in **BIOLOGY**. Every member of the faculty has extensive training in the areas he or she teaches. Reviews are held before exams. Office hours are provided for every class during which time the students are encouraged to meet with their professors on a one to one basis. Every teaching laboratory is well air conditioned, and is designed to hold only 24 students, thus providing a small student-to-teacher ratio, ideal for learning. Every introductory biology lab is taught by a faculty member rather than

a teaching assistant. This works to the great advantage of the beginning student. University support services are available without cost to the student. These include the Office of Academic Support, the Student Support Services, Evening Student Services, the Counseling Center, and the Premedical Education Office.

The Bachelor of Science in Biology Degree Program

As a **BIOLOGY MAJOR** you can customize your area of study by selecting one of several options and, at the same time, maximize your value to an employer or graduate school. *This booklet will show you some of the ways to do these things when entering the biology department.*

Options

Biology courses are distributed among the topics of botany, general biology, physiology, and zoology. Courses are drawn from each of these topic areas, combined with courses from other departments, and formed into "options" or paths of study leading to the Bachelor of Science degree. Such options allow a student to follow his or her particular interests, while, at the same time, pursuing a study plan that will improve his or her chances of employment. The following options are offered:

- * **Environmental Biology**
- * **General Biology**
- * **Microbial / Molecular Biology**

* **Premedical / Predental**

* **Secondary Teaching**

The Department of Biological Sciences maintains a Computer Lab designed for biology majors. Majors use the computers to do review programs for particular courses, term papers, research projects, and short assignments. Biology also maintains two electron microscopes which advanced undergraduates may use.

Other support services available to the student in the Biology Department include easy access to specialized tutoring, study groups, and comprehensive curriculum advisement. Many courses are available in the evening.

Valuable Opportunities

The Biology Department is committed to the success of its students. To implement this commitment we provide bridge programs for entering freshmen and transfer students. In addition, we have established special research opportunities and industrial internships for our majors to ensure that they are ready for graduate school or are fully prepared to compete in the workplace. These programs are described below.

High School Graduates

SSI (Summer Science Institute): This program, with the University of Wisconsin, enables high school graduates to spend six weeks at the Madison Campus

the summer before they enter college. SSI is run primarily for minority campuses such as CSU and the University of Puerto Rico. Students study language arts and math in the morning, and are involved with scientific research in the afternoon. Transportation and housing are provided.

AMP (See below)

Transfer Students

CLIMB (Chicago Linkage for Minorities in Biomedical Sciences): This program aims to increase the number of minority students entering biomedical careers by facilitating their transition from a two-year college to one offering a baccalaureate degree such as CSU. Three Chicago City Colleges with primarily minority enrollments are involved.

Biology Majors

AMP (Alliance for Minority Participation): Chicago AMP is a consortium of six Chicago area universities including CSU. Its goal is to dramatically increase the number of baccalaureate degrees awarded to minorities in science, engineering, mathematics, and technology. The awarding of generous scholarships for study in these areas is one of the ways this program is being implemented. There is also a summer bridge program for entering freshmen.

MBRS (The Minority Biomedical Research Support Program): This is an important program which provides opportunities for both undergraduate and graduate students to work as research assistants in faculty laboratories at CSU. Approximately 80% of the CSU