Biological Sciences

Degree(s)
None

Certificate(s)
None

Employment Concentration Certificate(s)
None

Program Description
The Biological Sciences, including Anatomy and Physiology, encompass all aspects of the scientific investigation of life. The Major in Biology emphasizes the themes underlying biology, including the cellular and chemical basis of life, heredity, evolution and the hierarchical organization of life. The program cultivates a foundation in classical biology and insight into the rapidly advancing science of modern biology. A variety of classes explore life at the molecular, cellular, organismal and ecological levels, providing excellent preparation for further study in the life sciences.

Distinctive Features
Modern, well-equipped labs offer students opportunities for excellent training in biological techniques. The department stresses actual experience in science and instructor-student contact including laboratory, fieldwork, discussions and field trips.

Career Opportunities
The biological science major prepares the student for a wide variety of professional and paraprofessional occupations in both the applied and academic fields. Concepts and actual experience in biology courses provide the knowledge and ability that is essential for those interested in agriculture, biology, botany, microbiology-bacteriology, genetics, molecular biology, zoology, entomology, fish and wildlife biology, ecology, plant breeding, animal and plant physiology, medical technology in public and private institutions and laboratories, bacteriological applications to industry, medical and pharmaceutical sales, prerequisites for allied health programs, undergraduate preparation for medicine, dentistry, physical therapy, veterinarian medicine, landscape design, graduate programs leading to research and teaching science from first grade to the university. The area of natural resource management includes game warden, Bureau of Land Management, wildfire control, wilderness rescue, fisheries, forestry, park ranger, wildlife and land management and environmental biologist.

Transfer Preparation
MSJC offers a range of course work to prepare students to transfer to four-year colleges and universities. All four-year institutions prescribe their own standards for course evaluation and admissions. Prospective transfer students are advised to review the MSJC catalog with a counselor to determine which MSJC courses are transferable and required for Science majors.

Degree
An Associate degree is not available in this major. Students wishing an Associate degree may major in science by completing any 18 units of science classes from Area A of the General Education Requirements in Option A. Students are advised to see a counselor.