Wildlife Biologists

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WHAT THEY DO

Wildlife biologists conduct research to understand the habits of wild animals. Scientists use this knowledge to develop conservation efforts for endangered species and to help manage and protect wildlife resources within the United States. They also work to control pests, manage disease in wildlife, and reduce conflicts between wildlife and farmers and other land users. Wildlife biologists work for the U.S. government, state and local governments, wildlife management agencies, zoos, and universities. They may also work for wildlife consulting firms or for commercial firms that use animals, such as in the hunting or fur industries.

Wildlife biologists must have a bachelor’s degree in wildlife biology, botany, zoology, or a similar field. Some positions require a master’s degree. A Ph.D. is often required for research positions. In addition, many wildlife biologists specialize in a particular area, such as animal nutrition or mammalian population ecology.

EDUCATION REQUIRED

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When embalming a body, funeral directors wash the body with germicidal soap and replace the blood with embalming fluid to preserve the tissues. They may reshape and reconstruct bodies using materials such as clay, cotton, plaster of Paris, and wax. They also may apply cosmetics to provide a natural appearance, dress the body, and place it in a casket. Funeral directors maintain records such as embalming reports and itemized lists of clothing or valuables delivered with the body. In large funeral homes, an embalming staff of two or more, plus several apprentices may be employed.

Funeral services may take place in a home, house of worship, funeral home, or at the gravesite or crematory. Some services are not religious, but many are. Funeral directors must be familiar with the funeral and burial customs of many faiths, ethnic groups, and fraternal organizations. For example, members of some religions seldom have the deceased embalmed or cremated.

EDUCATION REQUIRED

College programs in mortuary science usually last from 2 to 4 years. The American Board of Funeral Service Education accredits about 60 mortuary science programs. The majority are two-year associate degree programs offered at community colleges. About 6 colleges and universities offer programs that culminate in a bachelor’s degree. In addition, many specialized, stand alone funeral service institutions offer two-year programs, although some are 4 years in length. Mortuary science programs include courses in anatomy, physiology, pathology, embalming techniques, restorative art, business management, accounting and use of computers in funeral home management, and client services. They also include courses in the social sciences and in legal, ethical, and regulatory subjects such as psychology, grief counseling, oral and written communication, funeral service law, business law, and ethics.

Many State and national associations offer continuing education programs designed for licensed funeral directors. These programs address issues in communications, counseling, and management. More than 30 States have requirements that funeral directors receive continuing education credits to maintain their licenses.

Apprenticeships must be completed under the direction of an experienced and licensed funeral director. Some States require apprenticeships. Depending on State regulations, apprenticeships last from 1 to 3 years and may be served before, during, or after mortuary school. Apprenticeships provide practical experience in all facets of the funeral service, from embalming to transporting remains.

High school students can start preparing for a career as a funeral director by taking courses in biology and chemistry and participating in public speaking or debate clubs. Part-time or summer jobs in funeral homes also provide good experience. These jobs consist mostly of maintenance and cleanup tasks, such as washing and polishing limousines and hearses, but they can help students become familiar with the operation of funeral homes.
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OTHER USEFUL SKILLS
Funeral directors need composure, tact, and the ability to communicate easily and compassionately with the public. Funeral directors also should have the desire and ability to comfort people in a time of sorrow.

To show proper respect and consideration for the families and the dead, funeral directors must dress appropriately. The professions usually require short, neat haircuts and trim beards, if any, for men. Suits and ties for men and comparable business attire, for women are customary.

HOW TO ADVANCE
Advancement opportunities generally are best in companies with multiple funeral homes. Funeral directors working for these companies may earn promotions to higher paying positions such as branch manager or general manager. Some directors eventually acquire enough money and experience to establish their own funeral home businesses.

WORK ENVIRONMENT
Most funeral directors work in funeral homes that have one or more viewing rooms, a casket-selection room, a preparation room, and sometimes a chapel. Some may also have a crematory on the premises.

In general, the occupation is safe, but funeral directors occasionally come into contact with bodies that had contagious diseases, but when the appropriate safety and health regulations are followed the possibility of infection is remote.

Funeral directors often work long, irregular hours, and the occupation can be highly stressful. Many are on call at all hours because they may be needed to remove remains in the middle of the night. Shift work sometimes is necessary because funeral home hours include evenings and weekends. In smaller funeral homes, working hours vary, but in larger establishments, employees usually work 8 hours a day, 5 or 6 days a week.

JOB GROWTH
Employment growth is expected to be as fast as average for all occupations. Job opportunities are expected to be good, particularly for funeral directors who also embalm.

Employment of funeral directors is expected to increase by 12 percent during the 2008-18 decade, about as fast as the average for all occupations. Projected job growth reflects growth in the death care services industry overall due to the aging of the population.

In addition to employment growth, the need to replace funeral directors who retire or leave the occupation for other reasons will result in good job opportunities. Funeral directors are older, on average, than workers in most other occupations and are expected to retire in greater numbers over the coming decade. In addition, some funeral directors leave the profession because of the long and irregular hours. Job prospects may also be better for some mortuary science graduates who can relocate to get a job.