

McMurry Program in LIFE SCIENCES



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Our Approach?

- **Breadth.** The other two Biology programs focus on either animals and plants and environment, or cells, molecules, and health. This degree features *the best of everything!*
- **Flexibility.** With choices in your biology, chemistry, and math courses, you can take the courses most appropriate to your interests and goals.
- **Experience.** Hands-on experience “sticks” when theories and concepts fade away. This program immerses you in experience in thinking, handling, testing, doing.



All photographs in Biology literature were taken by Biology faculty. Here, a female desert bighorn sheep (*Ovis canadensis*) was photographed at the South Rim of the Grand Canyon. Field trips and lab experiences both contribute to exposing students to the breadth of plants, animals, and microbes that make up life on earth.



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McMURRY
UNIVERSITY

School of Natural &
Computational Sciences

Life Sciences Course Preview

- **BIOL 1301, 1402, 1403.** Learn basic science of unicellular life and multicellular plants and animals.
- **BIOL 3410, 4320.** Study of the biology of microbes, cells, and molecular biology.
- **BIOL 3460.** Mendelian and molecular genetics made simple.
- **BIOL 4430.** Ecology addresses life and the environment.
- **BIOL 4201.** Your senior capstone experience is where everything you've learned is tied together in your very own research project.
- **Option.** Take BIOL 2401 & 2402 Human Anatomy & Physiology I & II, OR BIOL 3440 Comparative Anatomy & BIOL 3430 Human Physiology
- **Elective course.** Any other advanced Biology course counts for this.
- **Supporting Courses in Chemistry.** Take CHEM 1405 & 1406 Fundamentals of Chemistry I & II, OR CHEM 1410 & 1420 General Chemistry I & II
- **Supporting Course in Physics.** PHYS 1410 General Physics I
- **Supporting Course in Math.** Take MATH 2421 Calculus OR MATH 3351 Statistics
- **A Required Minor (18-24 credit hours)** . Any minor may be pursued. However, to maximize marketability of your degree, try preparing for teacher certification in Life Science (Biology) by choosing the minor in Curriculum & Instruction (Grades 8-12).

What can I do with a BS in Life Sciences?

- **Become a health professional.** Use this program to prepare for PT, OT, medical, dental, pharmacy, or other professional school by choosing the options that fit your needs.
- **Become a teacher.** This program provides the comprehensive exposure to biology needed to successfully become certified to teach Life Science (Biology) in the State of Texas.
- **Become a science writer.** Are you tired of news stories or TV reports by writers who are scientifically illiterate? Change that!
- **Go into intellectual property law.** Who will help companies protect and patent their life science discoveries? It could be you!
- **Start a company.** Turn your discoveries into a business—make your living through science!