

# LIFE SCIENCES (LIFE)

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## LIFE 120 Fundamentals of Biology I

**Prerequisites:** Parallel registration in LIFE 120L.

**Notes:** High school biology; high school chemistry or CHEM 109A/109L strongly recommended

**Description:** First in a series of life sciences courses. A systems approach to the study of life at the cellular level, investigating cellular structures, chemical processes, cell metabolism, cell division, gene expression and introducing patterns of inheritance.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded with Option

**Prerequisite for:** ASCI 240; ASCI 271; BIOC 205; BIOS 111; BIOS 206; BIOS 207; BIOS 213; BIOS 213L; BIOS 310; BIOS 317; BIOS 337; BIOS 369, PLPT 369; BSEN 244; BSEN 317; ENTO 308; FORS 300; FORS 307; FORS 401; FORS 411; LIFE 121; LIFE 121L; MBIO 498; NRES 302, PLAS 302; NRES 310; NRES 425, VBMS 425; PLAS 216; PLAS 240, RNGE 240, GRAS 240; PLAS 278; PLAS 306; PLAS 307; PLAS 325; PLPT 210; VBMS 407

**ACE:** ACE 4 Science

## LIFE 120L Fundamentals of Biology I laboratory

**Prerequisites:** Parallel registration in LIFE 120.

**Notes:** High school biology; high school chemistry or CHEM 109A/109L strongly recommended. Parallel registration in LIFE 120 is required.

**Description:** This laboratory will use a systems-based approach to explore the study of life at the cellular level, investigating cellular structures, chemical processes, cell metabolism, cell division, gene expression and introducing patterns of inheritance.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded with Option

**Prerequisite for:** BIOS 111; BIOS 206; BIOS 207; BIOS 213; BIOS 213L; BIOS 317; BIOS 337; BIOS 369, PLPT 369; ENTO 308; FORS 307; FORS 401; FORS 411; LIFE 121; LIFE 121L; VBMS 407

**Course and Laboratory Fee:** \$45

## LIFE 121 Fundamentals of Biology II

**Prerequisites:** LIFE 120; LIFE 120L; Parallel registration in LIFE 121L.

**Description:** Second in a series of life sciences courses. A systems-based phylogenetic approach to the study of organisms considering their morphology, life histories, physiology and ecology. The nature and evolution of biological diversity and how that diversity is studied.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded with Option

**Prerequisite for:** ASCI 340; BIOS 206; BIOS 207; BIOS 310; BIOS 312; BIOS 313; BIOS 314; BIOS 316, MATH 316, NRES 316; BIOS 316L; BIOS 317; BIOS 368; BIOS 381; BIOS 385; FORS 300; FORS 307; FORS 401; LIFE 121L; MBIO 498; NRES 220; NRES 386, BIOS 386; NRES 425, VBMS 425; VBMS 407

**ACE:** ACE 4 Science

## LIFE 121L Fundamentals of Biology II Laboratory

**Prerequisites:** LIFE 120; LIFE 120L; Parallel registration in LIFE 121.

**Description:** Systems-based approach to explore the morphology, phylogeny, life histories, physiology and ecology of organisms.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Graded with Option

**Prerequisite for:** BIOS 206; BIOS 207; BIOS 312; BIOS 313; BIOS 314; BIOS 317; BIOS 381; BIOS 385; FORS 307; FORS 401; LIFE 121; NRES 386, BIOS 386; VBMS 407

**Course and Laboratory Fee:** \$60

## LIFE 491 Special Topics in Life Sciences

**Crosslisted with:** LIFE 891

**Description:** Special topics in Life Sciences. Topical information on a designated topic, dialog and discussion of that topic, and various issues and perspectives related to that topic.

**Credit Hours:** 1-6

**Min credits per semester:** 1

**Max credits per semester:** 6

**Max credits per degree:** 6

**Grading Option:** Graded with Option