**LIFE SCIENCES (LIFE)**

**LIFE 120 Fundamentals of Biology I**

**Prerequisites:** Parallel registration in LIFE 120L.
**Notes:** High school biology; high school chemistry or CHEM 109 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

**Format:** LEC

**Prerequisite for:** AGRO 216, HORT 216; AGRO 240, RNGE 240, GRAS 240; AGRO 278, HORT 278; ASCI 240; ASCI 271; BIOC 205; BIOS 206; BIOS 207; BIOS 213; BIOS 213L; BIOS 310; BIOS 317; BIOS 337; BIOS 369, PLPT 369; BSEN 244; BSEN 317; FORS 300; FORS 307; FORS 401; FORS 411; HORT 306; HORT 307; LIFE 121; LIFE 121L; Mbio 498; NRES 302, HORT 302; NRES 310; VBMS 307

**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 109 strongly recommended

**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. Parallel registration in LIFE 120 is required.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Format:** LAB

**Prerequisite for:** AGRO 216, HORT 216; AGRO 240, RNGE 240, GRAS 240; AGRO 278, HORT 278; ASCI 240; ASCI 271; BIOC 205; BIOS 206; BIOS 207; BIOS 213; BIOS 213L; BIOS 310; BIOS 317; BIOS 337; BIOS 369, PLPT 369; BSEN 244; BSEN 317; FORS 300; FORS 307; FORS 401; FORS 411; HORT 306; HORT 307; LIFE 121; LIFE 121L; Mbio 498; NRES 302, HORT 302; NRES 310; VBMS 307

**LIFE 121 Fundamentals of Biology II**

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

**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

**Format:** LEC

**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; BIOS 386, NRES 386; FORS 300; FORS 307; FORS 401; LIFE 121L; Mbio 498; NRES 220; VBMS 307

**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

**Format:** LAB

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

**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

**Format:** LEC