

CURRICULUM

Degrees Offered.

- 28 cr. in biology is required for the minimum Bachelor of Arts degree
- 25 cr. for a B.S. degree, provided that a second major is taken in another science
- 32 cr. for a B.S. degree. Either a second major or science minor, education minor, or Liberal Arts Business minor required to complete the degree
- 40 cr. for a B.S. degree with Biology as the only program.

[The Biology Major](#) (click the underlined link for a simplified overview form)

Both Bachelor of Arts and Bachelor of Science degrees are offered, with the following options: Courses must include Biology 171, 172, 270, typically one to two of courses of Bio 290-370, two of Bio 420 to 460, and two credit hours in Bio 493 (Seminar) and/or 495 (Research). The number of credit hours attempted at the intermediate and upper level will vary somewhat, depending on which major a student attempts.

See the [2008-2009 VU General Catalog](#) for details on degree requirement in the College of Arts and Sciences. In addition, students are encouraged to carry out an [independent research project](#) during the junior or senior year.

The Biology Minor.

A minimum of 16 credit hours constitutes a minor. Two options are offered:

1. General Biology Minor
2. Human Biology Minor.

See the [2008-2009 VU General Catalog](#) for more details about degree options in the College of Arts and Sciences.

[Biology Department Course Listings](#) (click this underlined link for detailed course information from the 2008-2009 General Catalog)

- Bio 125. Biotechnology; Cr.4
- Bio 152/152. Human Biology I & II; Cr.4
- Bio 171. Unity of Life; Cr.4
- Bio 172. Diversity of Life; Cr.4
- Bio 205. Fundamental Nutrition; Cr.3
- Bio 210. Microbiology; Cr.4
- Bio 260. Human Nutrition; Cr.3
- Bio 250 (formerly 370). Human Environmental Biology; Cr.3
- Bio 270. Genetics; Cr.4
- Bio 290. Biological Topics; Cr.2-4
 - o Human Genetics; Cr.3
 - o Macroevolution; Cr.3
- Bio 320. Comparative Vertebrate Anatomy; Cr.3

- Bio 330. Mammalian Cell Culture; Cr.3
- Bio 350. Field Biology-Spring; Cr.3
- Bio 360. Modern Microscopy; Cr. 3
- Bio 380. Principles of Physiology; Cr.3
- Bio 420. Developmental Biology; Cr.4
- Bio 440. Ecology; Cr.4
- Bio 450. Molecular Biology; Cr.4
- Bio 460. Cell Biology; Cr.4
- Bio 486. Internship in Biological Science; Cr.0.5-2
- Bio 489. The Teaching of Natural Sciences; Cr.3
- Bio 490. Biological Topics. Cr.4
 - o Plant Biology; Cr.4
- Bio 493. Seminar in Biology; Cr.1
- Bio 494. Premedical Arts Colloquium; Cr.0
- Bio 495. Research in Biology; Cr.1-2
- Bio 497. Honors Work in Biology; Cr.3
- Bio 498. Honors Candidacy in Biology; Cr.3
- Bio 499. Biology Colloquium; Cr.0-1

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