

first month of the semester or session in which the candidate expects to be graduated. If a student does not graduate on the date for which the student applied initially, the student must re-apply for a later date. No candidate can be graduated without application.

Africana Studies Program

Robert Maxon, Coordinator

Africana Studies Minor

The Africana Studies Program is an academic unit within the Eberly College of Arts and Sciences. It offers a multidisciplinary minor, which seeks to analyze the African world experience from the point of view of African peoples and those of African descent. The broad educational purpose of the program is to engender among all students an intellectual appreciation and understanding of the history and cultures of people of African descent throughout the world.

Requirements

The Africana studies minor requires: 15 credit hours, including ASP 220 and ASP 420 (six hrs.), and nine additional hours in two subject areas, six of them upper division (300 and above), selected from ENGL 139, 154, 254; FLIT 215, 266, 271; GEOG 243, GEOG 293, HIST 427, 428, 429, 430, 433, 434, 451, 452; MUSIC 175, 477, 492B; POLS 335; SOCA 235 or any ASP offerings (e.g. ASP 293, 493). Grades of C or higher must be earned in all courses applied for the minor. Students are encouraged to work with an area ASP advisor to complete an individualized curriculum plan. Further information about the program may be obtained from the department of history, 220 Woodburn Hall, P.O. Box 6303, Morgantown, WV 26506-6303 or visit us on the Web at <http://www.wvu.edu/~asp/>

Faculty Associates

Faculty members with interest in African and diaspora studies from across the University are affiliated with the Africana Studies Program through their teaching, research, and service.

Biochemistry

Jonathan Cumming, Biology Chair

Harry O. Finklea, Chemistry Chair

Degree Offered

Bachelor of Arts

Nature of Program

The biochemistry curriculum prepares students for careers requiring a strong background in basic principles of the physical and life sciences. Students may earn either the bachelor of science (B.S.) in biochemistry through the Division of Animal and Veterinary Sciences in the Davis College of Agriculture, Forestry, and Consumer Sciences, or a bachelor of arts (B.A.) in biochemistry, with an area of emphasis in either molecular biology or in chemistry, through the interdepartmental bachelor of arts program in the Eberly College of Arts and Sciences.

Students completing a biochemistry major are prepared for professional employment in the expanding fields of agricultural and environmental sciences, chemical industry, health-related industries, and biotechnology-based industries. The curriculum provides students with the interdisciplinary background in biochemistry, biology, chemistry, mathematics, physics, and molecular biology necessary as preparation for professional schools of human and veterinary medicine, dentistry, optometry, and pharmacy. It also provides strong preparation for graduate study in fields such as animal and plant agriculture, biochemistry, biology, biotechnology, chemistry, food science, nutrition, and physiology.

Performance Requirements

To maintain biochemistry major status and to graduate, students must maintain at least a 2.0 overall GPA and a 2.0 cumulative GPA in coursework in biology, chemistry, and biochemistry.

Degree Requirements

A total of 128 hours is required for graduation. The biochemistry core curriculum includes the following required courses (48 hours): Orientation to Biochemistry; MATH 155 and 156; PHYS 101 and 102 or PHYS 111 and 112; BIOL 115, 117, 219, and 310; CHEM 115, 116, 233, 234, 235, 236.

Following completion of the biochemistry core curriculum, students choose to pursue either a molecular biology area of emphasis or a chemistry area of emphasis. Completion of the molecular biology area of emphasis requires 30 hours beyond the biochemistry core curriculum. The following courses are required (20 hours): BIOC 339 or AGBI 410/411; CHEM 215, 341 and 342; BIOL 313 or 410; Senior Seminar in Biochemistry; and a minimum of four hours of research (BIOL 386 or BIOL 486 or BIOC 492). The remaining ten hours may be selected from the following courses: BIOL 312, 313, 315, 324, 386, 410, 411, 412, 413, 436, 437, 486, 493; BIOC 492.

Completion of the chemistry area of emphasis requires 30 hours beyond the biochemistry core curriculum. The following courses are required (18 hours): BIOC 339 or AGBI 410/411; CHEM 215, 341, 342, 401, 403 (which serve as the capstone experience); BIOL 313 or 410; and Senior Seminar in Biochemistry. The remaining 12 hours may be selected from the following courses: BIOL 313, 436, 493; CHEM 310, 312, 313, 335, 337, 339, 411, 422, 441, 491, 497, 514, 531; BIOC 492. The student's program of study must include at least one CHEM course numbered 310 or higher. CHEM 117 and 118 may be substituted for CHEM 115, 116, and 215.

Biochemistry Program Honors

The option of graduating with biochemistry program honors is available to students with a 3.5 overall grade point average and the approval of the faculty in the department of the student's area of emphasis. Graduation with biochemistry program honors includes a senior thesis based upon an approved research project conducted under the supervision of a faculty mentor. For further information, and to apply for admission, qualified students should consult their advisors.

Biology

Jonathan Cumming, Chair

Jeffrey Wells, Associate Chair for Undergraduate Studies

Degrees Offered

Bachelor of Arts

Bachelor of Science

Nature of Program

The Department of Biology offers two degree programs, the bachelor of science and the bachelor of arts in biology. Pre-medical and environmental biology tracks are available in either degree program. These two programs are structured to meet the foundational needs of all students who are interested in a career in the broad area of the life sciences.

The undergraduate programs in biology provide excellent preparation for students planning to apply to graduate programs in the biological sciences or to professional schools, including medical, osteopathic, dental, physical or occupational therapy, optometry, pharmacy, veterinary medicine, physicians assistant, and chiropractic schools and programs. A degree in biology prepares students for a wide range of careers in the biological sciences including medicine, biotechnology, genetics, forensics, environmental biology, and other biologically-related technical fields in government and private industry. With appropriate electives, a student with a degree in biology may also choose to enter the fields of law, journalism, education, business, health care administration, pharmaceutical sales, or work for a variety of federal agencies.