



## PROGRAM ANNOUNCEMENT For Undergraduate Programs

**Proposed Program Description**  
*{to be completed by proposing campus}*

**Name of Institution:** University at Albany  
*{Specify name of branch campus, if relevant}*

**Date:** May 19, 2003

**Proposed program title:** Human Biology

**Proposed degree or other award:** B.S.

**Credits:** 55 credits (major);  
120 total for the B.S. degree

**If a baccalaureate degree is proposed, will a waiver of external review be requested:** (Y/N) Yes  
*{If 'Yes', complete the waiver request section on the reverse.}*

**Academic unit(s) that will offer program:** Departments of Anthropology and Biology

**Proposed HEGIS code:** 0499

**Proposed beginning date:** Fall 2003

**Program summary:** *{As an attachment to this cover, summarize (in 400 words or fewer) the purpose, content, and structure of the proposed program and its relationship to the mission of the institution. Also, complete the draft list of required and elective courses in the major, on the reverse.}*

Projected enrollment:	When the program begins	After five years
Full-time students	70	100
Part-time students	10	15

**Will program lead to certification/licensure?** No  
If Yes, in what field or specialty?

**Will special accreditation be sought?** No  
If Yes, by what group? By what date?

**Will program or any constituent courses be offered off-campus?** No  
If Yes, at what address?  
How much? *{Specify number of courses and related credits}*  
Via telecommunications? Yes No  
If Yes, to what location(s)?

*For more information, contact the following academic officer:*

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**Title:** Chair, Department of Anthropology

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**Response to Announcement**  
*{requested of other State University campuses}*

Do you have a similar or related program? What has been your experience with the program? Would the introduction of this program have any effect, positive or negative, on your institution? Please specify. Do you perceive a need for this kind of program? Is there opportunity for articulation or inter-institutional

cooperation?



## **Program Summary: B.S. in Human Biology**

This proposal to establish a Bachelor of Science degree in Human Biology represents an evolution of the current Faculty Initiated Interdisciplinary Degree [B.S.] in Human Biology. The initial program was begun in 1989 as a B.A. degree and changed to the B.S. degree in 1992, with the majority of courses derived from the departments of Biological Sciences and Anthropology. The original major was established to address a need on the part of undergraduates for a degree program which combined basic biological research with interests in human populations, and a desire on the part of the faculty to combine our varied interests in the biology of human populations. This interdisciplinary program brings together faculty and students from the natural and social sciences, providing our students with solid backgrounds in the different approaches of each area to the understanding of the human organism. The goals of the new major are identical, but we seek a “stand-alone” major to increase visibility, structural integrity and create a potential avenue for funding. The program’s structure is exemplified by the attached list of course requirements: concentration in Biology and Anthropology, with substantial contributions from Chemistry, Physics and Mathematics.

The proposed major, like the existing one, clearly addresses the missions of the University: the pursuit and advancement of knowledge for its own sake and for its practical benefits to society; a commitment to teaching [half of the current faculty are recipients of the Chancellor’s Award for Excellence in Teaching]; a commitment to the larger interests of society [for example, through the health focus of most of the majors, and internship experiences in health-related areas]; a commitment to freedom of thought, inquiry and expression through the pursuit of knowledge, and a commitment to benefit from differences in opinion and culture. The major provides students with a broad-based educational experience in several sciences and related disciplines, with a focus on an understanding of basic human biology and variation. The proposed major also has an element of distinctiveness, in that a survey of New York colleges and universities found only one other institution offering a BS in Human Biology: Cornell University offers the degree in Human Biology, Health and Society. Other institutions may have tracks or concentrations, but not identifiable degrees.

## Course Requirements for the B.S. in Human Biology

B.S.: A minimum of 55 credits to be taken from the following courses:

I. **Required** courses, a minimum of 40 credits as follows:

**Anthropology Courses (12-13 credits)**

Ant 110N (Introduction to Human Evolution) 3 credits

Ant 211 (Human Population Biology) 3 credits

And any two of the following courses:

Ant 311 (Functional Anatomy of the Human Skeleton) 4 credits

Ant 312/Bio318 (Human Population Genetics) 3 credits

Ant 319 (Human Growth and Development) 3 credits

**Biology Courses (14-15 credits)**

Bio 110N (General Biology I) 4 credits

Bio 111N (General Biology II) 4 credits

Bio 205 (Human Genetics) 3 credits

or Bio 212 (Introductory Genetics) 4 credits

Bio 410 (Human Physiology) 3 credits

**Chemistry Courses (8 credits)**

Chm 120N (General Chemistry I) 3 credits

Chm 121N (General Chemistry II) 3 credits

Chm 122a,b (General Chemistry Labs) 2 credits

**Statistics (3 credits)**

Mat 108 (Elementary Statistics) 3 credits

OR Psy 210, or Soc 211, or one semester of college math exclusive of Mat 100, 102N or 105.

**Physics (3 credits)**

Phy 105N (General Physics) 3 credits

II. **Elective** courses, a minimum of 15 credits to be selected from the following list, and including those courses in Anthropology listed above under Required Courses:

Ant 119 (City and Human Health) 3 credits

Ant 310 (Human Paleontology) 3 credits

Ant 365 (Anth. of New Reproductive Technologies) 3 credits

Ant 414 (Demographic Anthropology) 3 credits

Ant 416 (Topics in Human Biology) 3 credits

Ant 418 (Biomedical Anthropology) 3 credits

Ant 450 (Medical Anthropology) 3 credits

Bio 112, 113 (Anatomy & Physiology) 4,4 credits

Bio 117N (Nutrition) 3 credits

Bio 212 (Introductory Genetics) 4 credits

Bio 214 (Genetics II) 3 credits

Bio 230N (People & Resources in Ecological Perspective) 3 credits

Bio 241N (Biology of Sex) 3 credits

Bio 303 (Developmental Biology) 3 credits

Bio 305 (Developmental Bio. Lab) 2 credits

Bio 308 (Parasitic Diseases) 3 credits

Bio 311 (World Food Crisis) 3 credits

Bio 325 (Anatomy of the Chordates) 4 credits

Bio 402 (Evolution) 3 credits

Bio 407 (Parasitology) 4 credits

Bio 411 (Human Physiol. lab) 2 credits

Bio 416 (Topics in Human Biology) 3 credits

Psy 314 (Biological Bases of Behavior) 3 credits

Psy 385 (Evolutionary Psychology) 3 credits

Psy 387 (Behavioral Genetics) 3 credits



Notes:

A maximum of 3 credits may be selected from SSW290/390, Bio 399/499 and/or Ant 498a/498b, with prior approval for appropriate activities from the Director(s) of the Human Biology Major.

The one-credit writing intensive courses, Ant 389Z and Bio 389Z, taken in conjunction with a required or elective course in the major, may also yield credit toward the major.

**The catalog copy of the program description would be as follows:**

B.S.: A minimum of 55 credits to be taken from

A) Required courses (40 credits, minimum):

Ant 110N, 211; AND any two of AAnt311, 319, Ant312/Bio318;

Bio110N, Bio111N, Bio205 or Bio 212, Bio410;

Chm 120N, Chm 121N, Chm122a,b;

Mat 108 or Psy210, or Soc 211 or one semester of college math exclusive of MAT100, 102N or 105;

Phy 105N.

B) Elective credits (15 credits minimum):

Ant 119N, 310, [311, 312, 319 from above] 365, 414, 416, 418, 450; Bio 112, 113, 117N, [205 or 212 from above], 214, 230N, 241N, 303, 305, 308, 311, 325, 402, 407, 411, 416; Psy 314, 385, 387.

A maximum of 3 credits may be selected from SSW290/390, Bio 399/499 and/or Ant 498a/498b, with prior approval for appropriate activities from the Director(s) of the Human Biology Major.

The one-credit writing intensive courses, Ant 389Z and Bio 389Z, taken in conjunction with a required or elective course in the major, may also yield credit toward the major.