APPENDIX B

UNDERGRADUATE PROGRAM PROPOSAL FORM

Use this application for any new program that does not lead to licensure or preliminary or advanced study in one of the areas licensed by the State Education Department. *If the program would lead to certification as a classroom teacher*, use the "Application Form for Registration of a Teacher Education Program" *in addition to* this document. **Some new programs may also require master plan amendment (see Appendices G, K, and L).**

1. Basic Information

A. Name of Institution: University at Albany-SUNY

Specify campus or other location where program will be offered, if other than the main campus:

B. President or Chief Academic Officer: Kermit L. Hall, President
NAME AND TITLE

Signature: _____ Date: 6/9/05

C. Contact person, if different: Sue Faerman, Dean of Undergraduate Studies
NAME AND TITLE

Telephone: (518) 442-3950 Fax: (518) 442-4959

E-mail: sfaerman@uamail.albany.edu

D. Proposed program title: Human Biology

E. Proposed degree or other award: Bachelor of Science

F. Proposed HEGIS Code: 0401

G. If the program would be offered jointly with another institution, name the institution/branch below:

If the other institution is degree- granting, attach a contract or letter of agreement signed by that institution's President or CEO. If it is non-degree granting, refer to SED Memorandum to Chief Executive Officers No. 94-04 (http://www.highered.nysed.gov/ocue/ceo%20memorandum.htm).

H. If the program would lead to New York State teacher certification:

List the intended certificate title(s):
(e.g., "Childhood Education," "Technology Education")
List the intended certificate type(s):
(e.g., "Initial," "Professional")

I. If the program leads to New York State professional licensure, please specify the licensure area.

_____

J. If specialized accreditation will be sought:

Name the accrediting group: _____

Indicate the expected accreditation date: _____

K. Will the program be offered off campus? (Y\N) No

L. If this program will be offered in a format other than the traditional classroom model, specify the format. State any other Special Characteristics _____

M. Explain any atypical schedule that may affect program financial aid eligibility.

N. Institutional Approval

1. Community college: Date of approval by the local board of trustees. _____
2. State-operated campus: Date of approval by campus governance body. May 2003

2. Program Summary

Provide information solicited A-E below. For each item use as much space as necessary to provide an appropriate answer (the cells will expand as necessary with the inserted text). Draft catalog copy, if available, may be a helpful way of providing much if not all of the solicited information, particularly with regard to items D & E. Please indicate if any of the solicited information is being provided in a separate attachment.

A. Mission.

1. Summarize the proposed program's educational and career objectives and its relationship to the mission of the institution.

The overarching mission of the Human Biology program is to provide undergraduate students with a Bachelor of Science degree program of substantial breadth and depth dealing with the biology of human beings. The program is interdisciplinary, with concentrations of courses in Biology and Anthropology, and a substantial amount of coursework in Chemistry, Physics and Mathematics. The introductory level courses in the sciences and mathematics serve as prerequisites for advanced courses, and form a general base of methodologies and information upon which the rest of the program is built. Through 55 credits of required and elective courses, the faculty seek to guide students through the basic sciences and into areas where human biology and behaviors are considered in integrative ways.

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 B.S. 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.

2. If this is a new area of instruction and the basis for this was not discussed in the campus' Mission Review Memorandum of Understanding, discuss the reasons why the proposal is now considered central to the institution's ongoing development.

This is not a new area of instruction; the program has been offered as a Faculty-Initiated Interdisciplinary major since Fall 1990.

B. Institutional Context.

1. Identify existing or projected programs of the campus in the same or related disciplines and the expected impact of the proposed program on them.

Because the program is interdisciplinary, it draws in faculty in both Anthropology and Biology. Given that the program has operated for 15 years, there are no new expected impacts.

2. Indicate whether this program replaces any existing program(s).

This program would replace a Faculty-Initiated Interdisciplinary degree program.

3. Indicate whether it is entirely or primarily a restructuring of existing courses and resources.

The program uses existing courses and resources. The move from a Faculty-Initiated Interdisciplinary degree to a "stand-alone" registered degree program would give the degree program greater visibility and structural integrity, and would create a potential avenue for funding.

C. Learning Outcomes & Assessment.

1. Outline the programmatic goals and objectives for the program, including a list of the learning outcomes students should demonstrate upon completing the program.

The goals and objectives of the Human Biology program, stated as learning objectives, are such that the successful major:

1. Develops an awareness of the principles of human evolution and adaptation;
2. Gains knowledge of biological and social aspects of health and disease;
3. Develops an awareness of the variation in human experience in such areas as nutrition, disease, biological adaptation, and biological structure;
4. Develops an appreciation for the interaction of human biology and culture, through time and across space

2. What is the date of the initial periodic assessment of program and the length of the assessment cycle (years).

There was an assessment in Spring 2004; UAlbany is on a 7 year assessment cycle.

D. Admission Requirements.

1. What are the admission requirements for students in this program, including any special or optional admission requirements?

No special requirements.

2. Describe how these requirements are intended to assure that students are prepared to complete the program.

E. Curriculum Outline.

1. Outline all curricular requirements for the proposed program, including prerequisite, core, specialization (track, concentration), capstone, and any other relevant component requirements

The degree requires a minimum of 55 credits. Of these, 40 are required courses [(a) through (e)], and 15 are taken from a list of allowed electives [(f)].

(a) Required courses in Anthropology (12-13 credits):
AANT 110 Introduction to Human Evolution
AANT 211 Human Population Biology
Any two of the following courses:
AANT 311 Functional Anatomy of the Human Skeleton
AANT 312/ABIO 318 Human Population Genetics
AANT319 Human Growth and Development

(b) Required courses in Biology (14-15 credits):
ABIO 110 or 110F General Biology I
ABIO 111 General Biology II
ABIO 205 Human Genetic or ABIO 212 Instroductory Genetics
ABIO 410 Human Physiology

(c) Required courses in Chemistry (8 credits):
ACHM 120 General Chemistry I or ACHM 130 Advanced General Chemistry I
ACHM 121 General Chemistry II or ACHM 131 Advanced General Chemistry II
ACHM 122A & B Chemistry Labs

(d) Required courses in Statistics (3 credits):
AMAT 108 Statistics

(e) Required courses in Physics (3 credits):
APHY105

(f) *Major electives (15 credits minimum)*

AANT 119N, 310, 311 or 312 or 319 *if not used in (a) above*, 365, 414, 416, 418, 450; ABIO 112, 113, 117N, 205 or 212 *if not used in (a) above*, 214, 230N, 241N, 303, 305, 308, 311, 325, 402, 407, 411, 416; ACHM 216A, 216B, 217A, 217B; APSY 314, 385, 387, and HSPH 201.

A maximum of 3 credits may be selected from RSSW 290/390, ABIO 399/499 and/or AANT 498a/498b, with prior approval for appropriate activities from the Director(s) of the Human Biology Major. The one-credit writing intensive courses, AANT 389Z and ABIO 389Z, taken in conjunction with a required or elective course in the major, may also yield credit toward the major.

3. External Review

Baccalaureate proposals and some others must include two external reviews of the proposed program conducted by recognized experts following the form in Appendix D (unless special arrangements are made for a waiver with the Program Review and Planning Group). List the names of the two reviewers

and attach their review(s) along with the campus response to the review(s) or, if a waiver was approved, check the box and indicate the date the waiver was granted.

Reviewer #1 Joel Kuipers, Department of Anthropology, George Washington University

Reviewer #2 George R. Milner, Department of Anthropology, Pennsylvania State University

Reviewer #3 John Monaghan, Department of Anthropology, University of Illinois – Chicago

Check (type an 'x' between the brackets) if a waiver has been approved: [X]

Date of waiver: May 2003

4. Enrollment

What is the projected enrollment when the program begins? Currently at 100 majors, with approximately 25 to 30 graduates/year

What is the projected enrollment after five years? Approximately 130 without additional resources

How were these projections determined? This is the peak that the program can handle; this level was reached in 1992 and the program stopped advertising

What planning has been made for the possibility that anticipated enrollment estimates are not achievable?

The program has demonstrated since its inception that it does draw students; it is not anticipated that enrollment estimates are not achievable.

5. Impact of the New Program on the Service Area and Consultation with Other SUNY Institutions

A. Need: Justify the need for the proposed program in terms of the clientele it will serve and the economic and/or educational needs of the area and of New York State. Describe how the level of need was established.

The Human Biology program is an interdepartmental (Anthropology and Biology) combined major/minor designed for students interested in a liberal arts education with a particular focus on the human organism. The program is especially suitable for those seeking careers that deal directly or indirectly with human health and welfare. In particular, students can use this program as a logical route to health-related careers, through graduate work in medical school, dental school, physicians assistant programs, physical and occupational therapy programs, and graduate degree programs in nutrition, public health, physiology and biological anthropology.

Level of need is determined by historical data; since its inception, the program has averaged approximately 100 students per year.

B. Employment: For programs designed to prepare graduates for immediate employment, document the potential employers of graduates. Specify employers who have requested establishment of the program and

describe their specific employment needs.

	Projected positions	
Employer	In initial year	In fifth year

C. Similar Colleges: Identify similar programs at other institutions, public and independent, in the service area, region and state, as appropriate. Recent enrollment data for SUNY institutions is available from the Academic Programs Information System at http://www.sysadm.suny.edu/APIS/main.cfm.edu/APIS/main.cfm. Information for non-SUNY institutions is available from SED's *Inventory of Registered Programs* at http://www.nysed.gov/heds/IRPSL1.html.

Institution	Program Title	Degree	Enrollment
Cornell University	Human Biology, Health & Society	B. S.	250

D. Collaboration: Provide evidence of appropriate consultation with other SUNY campuses and summarize the results of the consultation. (Please do not attach copies of letters from sister institutions responding to the Program Announcement.)

No collaboration is planned.

E. Objections: Explain the reasons for any objections from SUNY campuses as well as the resolution of discussions regarding perceived competition between campuses.

No objections raised.

F. Transfer: The University views as one of its highest priorities the facilitation of transfer for students from lower-division to upper-division study. For programs designed to facilitate transfer, supply information solicited in the appropriate table below and, in the case of A.A./A.S. programs, in Appendix G (see below).

While there is no specific attention focus on transfer students, students majoring in Biology at the Community College level can easily transfer into the Human Biology program.

Associate Degrees: Programs leading to the Associate in Arts or the Associate in Science degree must include documentation that program graduates will be able to transfer into at least two registered baccalaureate programs and complete them within two additional years of full-time study. Letters from the chief academic officers of two baccalaureate institutions attesting to the articulation of the proposed A.A. or A.S. must be included with the program proposal. **These letters must assert acceptance of the completed SUNY Transfer Course Equivalency Table, to be found in Appendix G.**

Institution	Baccalaureate program title	Degree

Baccalaureate Degrees: Proposals for baccalaureate programs that anticipate transfer student enrollment must include evidence of consultation with at least two appropriate two-year colleges to assure articulation with pertinent degree programs and completion within two additional years of full-time study.

Institution	Associate program title	Degree

6. Curriculum Tables (See Program Proposal Directions for guidance—Handbook Section II. 6)

LOWER DIVISION

FALL										SPRING									
Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor	Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
Intro to Human Evolution	AANT 110	3	NS	x	x					Human Population Biology	AANT 211	3		x	x				
General Biology I	ABIO 110	4	NS	x	x					General Biology II	ABIO 111	4	NS	x	x				
General Chemistry I	ACHM 120 or 130	3	NS	x	x					General Chemistry II	ACHM 121 or 131	3	NS	x	x				
General Chemistry Lab	ACHM 122A	1		x	x					General Chemistry Lab	ACHM 122B	1		x	x				
Social Science (SUNY-GER)		3	SS	x						Social Science Requirement		3	x	x					
										Information Literacy and the Sciences	UUNL 206	1	x						
	Total Credits	14									Total Credits	15							

FALL										SPRING									
Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor	Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
Genetics	ABIO 205 or ABIO 212	4	BC	x	x					Statistics	AMAT 108 or APSY 210 or ASOC 221	3		xx					
General Physics	APHY 105	3	NS	x	x					Major elective*		3		x	x				
Major elective*		3		x	x					Foreign Language		4	x	x					
American History		3	AH	x						Western Civilization		3	WC	x					
Foreign Language		4	FL	x						Humanities		3	H	x					
	Total Credits	17									Total Credits	16							

* See page 5 for list of major electives

UPPER DIVISION

FALL										SPRING									
Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor	Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
Human Population Genetics	AANT 312	3		X	X					Functional Anatomy of the Human Skeleton	AANT 311	3		X	X				
Major Elective*		3		X	X					Writing in Anthroplogy	AANT 389Z	1	BC	X					
Arts		3		X						Major Elective*		3		X	X				
Other World Civilization Requirement		3	OW	X						U.S. Pluralism and Diversity		3	X	X					
Elective		3								Elective		3							
										Elective		3							
	Total Credits	15									Total Credits	16							

FALL										SPRING									
Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor	Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
Physical Growth and Development	AANT 319	3		X	X					Human Physiology	AANT 410	3		3	3				
Major Elective*		3		X	X					Elective		3							
Global and Cross-cultural Perspectives		3	X							Elective		3							
Elective		3								Elective		3							
Elective		3																	
	Total Credits	15									Total Credits	12							

CREDIT SUMMARY

General Education	30-56
Major	55
Required Electives	
Electives	17-43
Total	**120****

** **N.B.:** Sum of credits is greater than 120 because of overlap across categories, e.g., general education counting for the major. Numbers within categories are inexact due to waivers, double counting and other unique aspects of the General Education program.

7. Faculty

List the name and qualifications of each faculty member who will teach required and/or elective courses *in the major*. **Indicate the academic leadership of the program by placing an asterisk next to the name of the director or chair.** For faculty who are not presently in place but who will be hired to teach in the program, indicate TBH (to be hired) in the *Name* column and the qualifications (rank, degree level, discipline, and, if appropriate, professional/occupational experience). Abbreviations: *Rank:* Professor = PROF, Associate Professor = ASSOC, Assistant Professor = ASSIST, Lecturer = LECT, Instructor = INST; In the left column of *Status:* Full-time = FT, Part-time (salaried appointment) = PT, Adjunct = ADJ, Other = OTH. In the right column of status state the percentage (as a fraction) of the faculty member's workload that will take place as teaching, supervision, or advising in this program: 1.0, 0.5, etc. For any unusual case—or if this format does not shed light on the situation—attach an explanation.

Faculty					**Education**			**Experience**
Name	*Rank*	*Status*		*Department*	*Highest Degree*	*Institution*	*Discipline*	*Professional/ Occupational*
		FT/PT	*%*					
Tom Brutsaert	Assist	FT	100	Anthropology	Ph.D.	Cornell	International Nutrition	
Timothy Gage*	Full	FT	100	Anthropology	Ph.D.	Penn State	Anthropology	
Helen Ghiradella	Full	FT	100	Biology	Ph.D.	Cal. State-Santa Barbara	Biology	
Helmut Hirsch	DTP*	FT	100	Biology	Ph.D.		Biology	
Lawrence Schell	Full	FT	100	Anthropology	Ph.D.	U. Penn	Anthropology	
David Strait	Assist	FT	100	Anthropology	Ph.D.	Stony Brook	Anthropology	

***N.B.:** DTP = Distinguished Teaching Professor

8. Resources

Document the projected cost of the program and identify the source of the funds.

There are no new or reallocated funds to be allocated to this program. As noted above, the program has operated for 15 years as a Faculty-initiated Interdisciplinary degree program. Based upon current resources, the program is able to function with up to 130 students; presently the enrollment is 100.

Expenditures		Start-up	When the program begins	After five years
Personnel	*Reallocation*			
	New funds			
Library	*Reallocation*			
	New funds			
Equipment	*Reallocation*			
	New funds			
Laboratories	*Reallocation*			
	New funds			
Supplies & Expenses (OTPS)	*Reallocation*			
	New funds			
Capital Expenditures	*Reallocation*			
	New funds			
Other	*Reallocation*			
	New funds			
Grand Total				

Please provide further information about the library holdings that will serve this new program, including the campus's implementation of SUNY*Connect,* the SUNY-wide electronic library initiative. What is the extent of the current holdings in the discipline area? What are the plans, including timetable, for the acquisition of additional holdings? Please comment on access to these materials.

Again, this is not a new program; library holdings in biology and anthropology support this program.