

**ARIZONA STATE UNIVERSITY
PROPOSAL TO MODIFY AN UNDERGRADUATE DEGREE**

DEGREE PROGRAM INFORMATION

College/School(s) offering this degree: College of Nursing and Health Innovation
Unit(s) within college/school responsible for program: Health Sciences Program

If this is for an official joint degree program, list all units and colleges/schools that will be involved in offering the degree program and providing the necessary resources:

Proposed Degree Name: BS in Health Sciences

Undergraduate Degree Type: BS – Bachelor of Science
If Degree Type is Other, provide proposed degree type:
and proposed abbreviation:

Proposed title of major: Health Sciences

Is a program fee required? Yes No

Requested effective term: Spring and year: 2010
(The first semester and year for which students may begin applying to the program.)

PROPOSAL CONTACT INFORMATION

(Person to contact regarding this proposal)

Name: Linda Vaughan

Title: Assistant Dean

Phone: 727-5196

DEAN APPROVAL

This proposal has been approved by all necessary unit and College/School levels of review, and the College/School(s) has the resources to offer this degree program. I recommend implementation of the proposed degree program. (Note: An electronic signature, an email from the dean or dean's designee, or a PDF of the signed signature page is acceptable.)

College Dean name: Bernadette Melnyk

College Dean signature _____ **[see attached memorandum]** _____ **Date:** _____

College Dean name: (if more than one college involved)

College Dean signature _____ **Date:** _____

ARIZONA STATE UNIVERSITY
PROPOSAL TO MODIFY AN UNDERGRADUATE DEGREE

This proposal template should be completed in full and submitted to the University Provost's Academic Council [<mailto:curriculum@asu.edu>]. It must undergo all internal university review and approval steps including those at the unit, college, and university levels. A program **may not** be implemented until the Provost's Office notifies the academic unit that the program may be offered.

DEGREE PROGRAM INFORMATION

Undergraduate: BS – Bachelor of Science

**If Degree Type is Other, provide proposed degree type:
and proposed abbreviation:**

Proposed title of major: Health Sciences

1. PURPOSE AND NATURE OF PROGRAM

- A. Brief program description** (This is a catalog type description of no more than 250 words. Include the distinctive features of the program that make it unique. Do not include program or admission requirements.)

The BS in Health Sciences [HSC] will replace the BS in Human Health Studies [HHS]. The degree is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field and/or continue their education in discipline-specific programs. Students will complete a complement of core courses that emphasize ethics, communication skills, critical thinking, and cultural awareness. The BS in Health Sciences will offer three unique concentrations: [1] Pre-Professional Concentration, for students with the goal of entering medical, dental, osteopathic, physical therapy, veterinary, pharmacy, and similar professional schools; [2] Healthy Lifestyle Coaching, for students seeking immediate employment in the community health education/health promotion field and/or admission to graduate studies; and [3] Health Policy, for students interested in the community policy aspects of disease prevention and health promotion and/or seeking admission to graduate programs.

Once approved, it is anticipated that some of the proposed HSC courses will be cross-listed with other program offerings, increasing instructional efficiency and introducing students to interdisciplinary collaborations. For example, HSC 420 Evaluation of Health Sciences Research may be cross listed as NTR Nutrition and EXW Exercise and Wellness courses; the pool of faculty qualified and available to teach this one course would then increase.

2. STUDENT LEARNING OUTCOMES AND ASSESMENT

- A. List the knowledge, competencies, and skills** students should have when they graduate from the proposed degree program. (You can find examples of program Learning Outcomes at (<http://www.asu.edu/oue/assessment.html>)

All students in the major will be able to:

- [1] Locate, critically analyze, integrate, and apply scientific information to make evidence-based decisions within the scope of their professional area of practice.
- [2] Demonstrate effective oral and written communication skills appropriate for a range of audiences and venues.
- [3] Analyze the ethical implications of choices and decisions made within the scope of their professional area of practice.
- [4] Describe the ways in which lifestyle choices influence disease risk and how health behaviors can be modified in order to optimize health.

Students in the Pre-Professional Concentration will also be able to:

- [1] Demonstrate comprehension of chemistry, biochemistry, physiology, physics, and other basic sciences as appropriate to their professional and educational goals.
- [2] Demonstrate knowledge and experience with their chosen profession.

Students in the Healthy Lifestyles Coaching Concentration will also be able to:

- [1] Demonstrate comprehension of the manner in which culture influences health behaviors, access to and utilization of health care, and interaction with health professionals.
- [2] Describe the procedures used to develop, implement, and assess the effectiveness of health intervention programs.
- [3] Exhibit an understanding of the U.S. health care system, including its organization and delivery across the continuum of care.

Students in the Health Policy Concentration will also be able to:

- [1] Demonstrate knowledge of the political and legal aspects of health care delivery in the U.S.
- [2] Describe the factors that influence the establishment of health policies at the local, state, and federal levels.
- [3] Exhibit an understanding of the U.S. health care system, including its organization across the continuum of care.
- [4] Describe the major contemporary health policy issues locally, nationally, and globally.
- [5] Describe health policy analysis skills for various audiences.

- B. Describe the plan and methods to assess** whether students have achieved the knowledge, competencies and skills identified in the Learning Outcomes. (You can find examples of assessment methods at (<http://www.asu.edu/oue/assessment.html>))

A comprehensive Academic Program Assessment will be developed once the program and its curriculum have been approved. The assessment plan will be based upon the mission and objectives of the program and will include a grid linking course contents and student experiences with learning outcomes. Student learning will be assessed through direct measures [scores on exams, projects, presentations, case studies; evaluation of student portfolios; assessment of student performance in internship and practicum placements; student achievements such as participation in research presentations/articles; student success as measured by the receipt of awards, grants, and scholarships; graduation rates] and indirect measures [student program evaluation survey data; acceptance rates for graduate and professional schools; post-baccalaureate mentor/employer surveys]. The goal will be that at least 90% of enrolled students will be assessed via direct measures and no fewer than 50% of program graduates will be assessed via indirect measures of student learning. Data will be reviewed annually to determine the degree to which students have met program expectations. Using these data, program faculty and leadership will evaluate the curriculum annually to make any adjustments that might be needed.

3. CURRICULUM OF THE PROPOSED PROGRAM

Total credit hours must be 120 to include: first year composition, general studies, core/required courses, program specific electives, and any additional requirements.

- A. Major Map.** Please prepare and attach a Major Map. If there are concentrations in this degree program, prepare a separate Major Map for each one. (Examples of Major Maps can be found at <http://provost.asu.edu/curriculum>)

- i. Major maps for each concentration are attached.

- B. Total credit hours required for this program: 120**

C. Core/Required Courses.

- i. Total required and/or core course credit hours: credit hours
- ii. List the name, prefix, and credit hours for each required/core class for this program

1. HSC 320 Applied Medical/Health Care Ethics [3 cr] [NOTE: Students entering from the pre-clinical undergraduate nursing program will be permitted to substitute HCR 210]
2. HSC 420 Evaluation of Health Sciences Research [3 cr]
3. HSC 300 Complementary Health Care [3 cr]
4. HSC 400 Practicum in Health Sciences [3 cr]
5. Medical or Technical Writing/Communications [3 cr] [Advisors will have a list of approved options]
6. Statistics [3 cr] [Advisors will have a list of approved options]

D. Program Specific Electives.

- i. Total required program elective credit hours: n/a
- ii. List the name, prefix, and credit hours for any program specific electives for this program:
n/a

E. Additional Program Requirements, if any. List and describe any capstone experiences, milestone, and/or additional requirements for this degree program:

The capstone experience, HSC 400, Practicum in Health Sciences, was noted above in the explanation of Core/Required courses and is to be taken during the student's senior year. It will be a supervised placement with an individual, agency, organization, company, or other entity relevant to the student's own academic and professional goals.

F. Are any concentrations to be established under this degree program? Yes No

i. If "Yes", please check one:

- Students must select a concentration as part of this degree program
 Concentrations are optional

ii. List courses & additional requirements for the proposed concentration (s):

Concentration Name	Total credit hours	Core/Required Courses for Concentration (include course name and prefix)	Total Core credit hours	Program Specific Electives (include course name and prefix)	Total Elective credit hours	Additional Requirements (i.e. milestones, capstones)
Pre-Professional	120	*CHM 113, 116 General Chemistry I,II *CHM 233/237, 234/238 Gen Organic Chem I, II with Lab *BCH 361,367 Principles of Biochem with Lab *PHY 111/113, 112/114 Gen Physics I, II with Lab *BIO 187,188 Gen Biol I, II *BIO 201, 202 Human Anatomy & Physiology I,II *BIO 340 Gen Genetics *MIC 220,226 Biology of Microorganisms with Lab *MAT 210 Brief Calculus *NTR 241 Human Nutrition *PHI 101 Intro Philosophy	61			
Healthy Lifestyles Coaching	120	*CHM 101 Introductory Chemistry *BIO 201,202 Human Anatomy & Physiology I, II *PHI 101 Intro Philosophy *HCR 220 Health Care Organizations OR HSC 330 Health Care Systems in the U.S. *HCR 230 Culture and	47			

		Health OR HSC 210 Cultural Aspects of Health *HCR 240 Human Pathophysiology OR NTR 340 Applications Human Nutrition *EXW 302 Fundamentals of Wellness *EXW 346 Health Promotion and Program Evaluation *EXW 350 Substance Abuse and Addictive Behavior *NTR 241 Human Nutrition *NTR 351 Nutrition and Health Communications *NTR 450 Nutrition in the Life Cycle *NTR 350 Nutrition Counseling HSC 499 Independent Study			
Health Policy	120	* NTR 100 Personal Nutrition OR NTR 241 Human Nutrition *PGS 101 Intro to Psych *PHI 101 Intro Philosophy *HSC 210 Cultural Aspects of Health *HSC 330 Health Care Systems in the U.S. *HSC 332 Health Care Legislation *HSC 432 Legal Issues for Health Care Professionals *EXW 342 Health Behavior Change *EXW 346 Program Evaluation in Health Promotion *PAF 300 Public Management and Public Administration * PAF 460 Public Service Ethics *SOC 427 Sociology of Health and Illness *TCL 201 Transborder Soc and Culture: Interdisc Appr *TCL 327 Health and Migration	42		

4. NEW COURSE DEVELOPMENT

A. Will a new course prefix(es) be required for this degree program? Yes No
 If yes, complete the [request for establishment of a new prefix](#) for each prefix and submit with this proposal.

B. New Courses Required for Proposed Degree Program. List all new courses required for this program, including course prefix, number and course description.

As previously noted, the proposed curricula will be phased in over time. Individual courses will be offered as the program grows and faculty are hired. The initial array of courses, which can be supported by existing HSC faculty, are noted below:

- HSC 210 Cultural Aspects of Health** *Cultural Aspects Health* [3 cr]
Examines how culture influences health, health care practices, barriers to health care, interactions with health care professionals, and health disparities in the U.S. Addresses the need for cultural competence among health practitioners. Prerequisites: None.
- HSC 300 Complementary Health Care** *Complementary Care* [3 cr]
Evaluates the major components of complementary and alternative health care models and evidenced-based recommendations related to complementary health care. Prerequisites: HSC 210.
- HSC 320 Applied Medical/Health Care Ethics** *Med Health Ethics* [3 cr]
Integrates the theory and practice of ethics within health-related disciplines and the application of bioethics by health science professionals, including health disparities. Prerequisites: PHI 101 .
- HSC 330 Health Care Systems in the U.S.** *Health Care Systems* [3 cr]
Presents and integrates the organization, financing, and delivery of health services in the United States from the professional, organization, community, and systems perspectives. Prerequisites: HSC 320 or equivalent.
- HSC 332 Health Care Legislation** *Health Care Legisl* [3 cr]
Identifies current federal and state health agencies and examines how their policies, regulations, and programs impact health science professionals and the services delivered. Prerequisites: HSC 330
- HSC 400 Practicum in Health Sciences** *Practicum Health Sci* [3 cr]
Provides students with the opportunity to apply classroom knowledge in a real world setting. Students are placed with an agency, organization, business, and/or facility that meets their specific academic goals. Prerequisites: Senior standing in HSC.
- HSC 420 Evaluation of Health Sciences Research** *Eval Health Sci Res* [3 cr]
Investigates methods of inquiry in health sciences and techniques for critiquing and interpreting research within the context of evidence-based practice. Prerequisites: Statistics
- HSC 432 Legal Issues for Health Care Professionals** *Legal Issues Health Care* [3 cr]
Analyzes legal issues such as patient rights, with a special focus on informed consent; conflicts between health care cost and quality; access to care; individual and institutional liability; and accreditation and licensure of health professionals. Prerequisites: HSC 320 or HCR 210.

5. PROGRAM NEED. Explain why the university needs to offer this program (include target audience and market).

According to the U.S. Department of Labor, the health sciences field represents the largest single industry in the U.S., accounting for over 14 million jobs across 200 different professional positions . In addition, 7 of the 20 fastest growing occupations are health related, generating 3 million new wage and salary jobs between 2006 and 2016, more than any other industry. The need for health educators, for example, is estimated to grow by 20% or more over the next decade, requiring an additional 25,000 employees. Many health-related professions can be entered directly with a B.S. degree. The three concentrations offered within the proposed program reflect the diversity of this high demand, well paid field. As designed, each concentration provides both employment and post-baccalaureate educational options upon completion of the B.S. in Health Sciences [HSC]. In addition, the program is designed to provide cross-disciplinary training, an essential in the modern workforce.

Pre-Professional Concentration: The target audience includes students planning to attend medical, dental, veterinary, physical therapy, pharmacy, osteopathic, and similar professional schools. In addition to a comprehensive core of basic science courses, the Pre-Professional concentration of the HSC BS is unique in that it will provide a solid base in ethics, communication, the evaluation of research [the cornerstone of evidence-based practice], and healthy lifestyles [the foundation of health promotion and chronic disease risk reduction avenues of health care], including the role of complementary and alternative care within the U.S. health care system. In addition, students will have the ability to incorporate electives that contribute to their knowledge of and sensitivity to the needs of populations impacted by health disparities [most of which carry Cultural, Global, and other general studies designations].

These students will be well prepared to apply for graduate programs in many of the basic and applied sciences. Students who do not immediately move into an advanced degree program will be fully prepared for a range of career opportunities including laboratory scientist, health officer, clinical research coordinator, and sales/marketing representative for pharmaceutical and/or medical device companies.

Healthy Lifestyles Coaching Concentration: Lifestyle intervention is an evidence-based, cost-effective, low risk approach to the prevention, risk reduction, management, and treatment of chronic diseases such as type-2 diabetes, heart disease, hypertension, obesity, certain types of cancer, stress, back pain, insomnia, and many others. This approach includes diet/nutrition, physical activity, stress management, smoking cessation, and similar low-technology, non-pharmaceutical modalities. Professional and academic recognition of this subspecialty is growing; Loma Linda University now offers an MPH in Lifestyle Medicine and The American College of Lifestyle Medicine is a national organization for clinicians actively practicing this approach to medical and health care. The Healthy Lifestyles Coaching concentration is targeted towards students who have a broad interest in health education [in contrast to those specifically interested in Nutrition/Dietetics or Exercise & Wellness] and is specifically designed to optimize the retention of third-year College of Nursing and Health Innovation students who elected not to or were not admitted to the Upper Division Nursing program [approximately 300/year]. Non-nursing students will also be attracted to this concentration in that it leads to clearly defined career options such as health/patient educator, elder service/congregate program coordinator, WIC/Community Nutrition Aide, school health specialist, community health coordinator, HMO/insurance company client health coach, and Healthy Start coordinator. The BS in HSC core will be enriched by courses emphasizing the U.S. health care system, cultural aspects of health, and health counseling/education/interviewing. Students will also have the option of completing electives that contribute to their knowledge of and sensitivity to the needs of populations impacted by health disparities [most of which carry Cultural, Global, and other general studies designations]. Graduates of this concentration will also be eligible to sit for the Certified Health Education Specialist [CHES] exam.

Students who do not immediately enter the workforce will be well qualified for entry into graduate programs in Gerontology, Family Sciences, Health Education, Public Health, and related areas.

Health Policy: The Bureau of Labor Statistics estimates the need for health care services administrators will increase 19% between 2006 and 2016. The continuum of health care now spans a diverse array of health providers ranging from private practitioner offices and outpatient care centers to residential care facilities and acute care hospitals. Key to the enhancement of health care within the U.S. is the development and implementation of innovative, cost effective, and universally accessible programs. The Health Policy concentration will target those students interested in the non-medical side of the health care industry, preparing them for entry level positions in health care policy development and implementation. Students in this concentration will be required to complete a supervised practicum, providing hands-on experience within their field of interest. Students may also wish to consider using their electives to complete a minor in Nonprofit Administration, which requires a total of 15 credits.

Students who do not immediately enter the workforce will be well qualified for entry into graduate programs in Healthcare Administration or Health Sector Management, Healthcare Innovation, Business Administration, Law, or similar areas of study.

6. **IMPACT ON OTHER PROGRAMS.** List other academic units that might be impacted by the proposed program and describe the potential impact (e.g., how the implementation of this program might affect student headcount/enrollment, student recruitment, faculty participation, course content, etc. in other programs). Attach letters of collaboration/support from impacted programs.

It is anticipated that the initial enrollment in the Health Policy concentration will not impact student headcount in the non-majors courses. The course requirements of the Healthy Lifestyle Coaching concentration are primarily within the CONHI and those of the Pre-Professional concentration are widely distributed across many colleges, departments, and units, thus not exerting undue impact on any one program.

7. **PROJECTED ENROLLMENT** How many new students do you anticipate enrolling in this program each year for the next five years? Please utilize the following tabular format.

5-YEAR PROJECTED ANNUAL ENROLLMENT					
	1st Year	2nd Year (Yr 1 continuing + new entering)	3rd Year (Yr 1 & 2 continuing + new entering)	4th Year (Yrs 1, 2, 3 continuing + new entering)	5th Year (Yrs 1, 2, 3, 4 continuing + new entering)
Number of Students Majoring (Headcount)	25	75	100	125	155

8. **ACCREDITATION OR LICENSING REQUIREMENTS (if applicable).** Provide the names of the external agencies for accreditation, professional licensing, etc. that guide your curriculum for this program, if any. Describe any requirements for accreditation or licensing.

It is anticipated that many students completing the Healthy Lifestyles Coaching concentration of the BS in HSC will seek accreditation from the National Commission for Health Education Credentialing, Inc. as a Certified Health Education Specialist [CHES]. Eligibility to take the CHES examination is based exclusively upon academic qualifications:

Completion of a bachelor's, master's or doctoral degree from an accredited institution of higher learning

AND

An official transcript that reflects at least 25 semester hours of course work with specific preparation addressing the following areas of responsibility:

- Assess individual and community needs for health education
- Plan effective health education strategies, interventions, and programs
- Implement health education strategies, interventions, and programs
- Administer health education strategies, interventions, and programs
- Serve as a health education resource person
- Communicate and advocate for health and health education

9. **FACULTY and STAFF**

- a. **Current Faculty.** List the name, rank, highest degree, area of specialization/expertise and estimate of the level of involvement of all current faculty who will teach in the program.

Karen Sweazea, PhD. Assistant Professor, Health Sciences. Specializes in physiology, pathophysiology, health-related research. Involvement with HSC: 100%

Bruce Oberstein, DO. Lecturer, Health Sciences. Specializes in complementary health care, healthy lifestyles, medical/health care ethics, physiology. Involvement with HSC: 100%

- b. **New Faculty.** Describe the new faculty hiring needed during the next three years to sustain the program. List the anticipated hiring schedule and financial sources for supporting the addition of these faculty.

NOTE: In all cases, faculty named below will be involved in the BS in HSC as well as the proposed BAS in HSC.

Two lecturers in Health Sciences will be needed for the 2010-2011 academic year. This person will assume responsibility for program coordination and contribute to the instructional mission of the program. Due to the anticipated increase in demand for several NTR [Nutrition] and EXW [Exercise and Wellness] courses within the BAS and BS in Health Sciences program, one Nutrition lecturer and one Exercise and Wellness lecture is also required to support the additional course loads. Funds for these hires will be sought from the Provost's office as a strategic investment for the development of this program.

It is anticipated that within two to three years, an additional tenured faculty member at the rank of Associate or Full Professor will be hired to assume a leadership role within the program, develop a funded research program in a specialized area of health sciences, and support programmatic expansion. Funds for this hire will be drawn from enrollment growth funding.

- c. **Administration of the program.** Explain how the program will be administered for the purposes of admissions, advising, course offerings, etc. Discuss the available staff support.

The College of Nursing and Health Innovation maintains a centralized advising/academic support staff. Students in the Health Sciences program will utilize the CONHI Advising Center for all academic-related needs, however one additional academic specialist will be needed to accommodate the anticipated increase in student enrollments within the BAS and BS in Health Sciences degrees. Scheduling of courses will be administered by the same group of academic support staff. There are currently nine full time Academic Advising Coordinators/Specialists available for advisement of students in the accredited nursing and dietetics degree programs and the approximately 3,000 students, as well as four administrative staff persons to coordinate course offerings across the Polytechnic, Downtown, and Tempe campuses, and two Directors currently available as staff support.

10. RESOURCES (necessary to launch and sustain the program)

- a. Describe any new resources required for this program's success, such as new support staff, new facilities, new library resources, new technology resources, etc.

No new library resources, technology resources, or facilities are needed although one additional academic specialist will be needed to ensure program success.

- b. Explain where you will get the resources to support this program.

It is anticipated that enrollment in the Healthy Lifestyles Coaching concentration will be robust from the start. The enrollment estimates provided above are extremely conservative. As previously noted, approximately 300 students exit the Nursing program each year. If even 10% of those students move into the HSC program, initial enrollment estimates will be exceeded.

As noted above, funding for two lecturers to be hired in 2010 will be needed; subsequent enrollment growth funding will provide resources for additional faculty and staff positions as the program grows.

APPENDIX
OPERATIONAL INFORMATION FOR UNDERGRADUATE PROGRAMS
(This information is used to populate the [Degree Search](#) /catalog website.)

1. Contact and Support Information

Office Location (Building & Room): 340 J Sutton Hall
Campus Telephone Number: 727-5196

Program email address: hsc@asu.edu

Program website address: www.nursing.asu.edu

2. Additional Program Description Information

A. Additional program fee required for this program? Yes No

B. Does this program have a second language requirement? Yes No

3. Career Opportunities & Concentrations Provide a brief description of career opportunities available for this degree program. If program will have concentrations, provide a brief description for each concentration.

Pre-Professional Concentration: If not entering an advanced degree program, employment opportunities include laboratory scientist, health officer, clinical research coordinator, and sales/marketing representative for pharmaceutical and/or medical device companies.

Healthy Lifestyles Coaching Concentration: Career options include positions such as health/patient educator, elder service/congregate meal program coordinator, WIC/Community Nutrition Aide, school health and nutrition program specialist, and Healthy Start coordinator.

Health Policy Concentration: Career opportunities are available in city, county, and/or state departments of health, with additional employment opportunities in the health insurance industry, non-profit sector, and within various corporate entities providing health care.

4. Additional Admission Requirements If applicable list any admission requirements (freshman and/or transfer) that are higher than and/or in addition to the university minimum undergraduate admission requirements.) None

5. Keywords List all keywords used to search for this program. Keywords should be specific to the proposed program.

Health, health education, pre-professional, health care, health policy

6. Area(s) of Interest

A. Select one (1) primary Area of Interest from the list below that applies to this program.

- | | |
|--|--|
| <input type="checkbox"/> Architecture, Construction & Design | <input type="checkbox"/> Education & Teaching |
| <input type="checkbox"/> Artistic Expression & Performance | <input type="checkbox"/> Engineering & Technology |
| <input checked="" type="checkbox"/> Biological Sciences, Health & Wellness | <input type="checkbox"/> Environmental Issues & Physical Sci |
| <input type="checkbox"/> Business, Management & Economics | <input type="checkbox"/> Interdisciplinary Studies |
| <input type="checkbox"/> Communication & Media | <input type="checkbox"/> Languages & Cultures |
| <input type="checkbox"/> Computing & Mathematics | <input type="checkbox"/> Law & Justice |
| <input type="checkbox"/> Social Science, Policies & Issues | |

B. Select any additional Areas of Interest that apply to this program from the list below.

- Architecture, Construction & Design
- Artistic Expression & Performance
- Biological Sciences, Health & Wellness
- Business, Management & Economics
- Communication & Media
- Computing & Mathematics
- Education & Teaching
- Environmental Issues & Physical Sci
- Engineering & Technology
- Interdisciplinary Studies
- Languages & Cultures
- Law & Justice
- Social Science, Policies & Issues

Critical Requirements: Students who follow the 2008-2009 catalog year and are entering ASU as either a first-time freshman or transfer from any Arizona public university or Arizona community college must complete critical requirements.

Course Subject and Title (courses in bold/shading are critical courses)	Hrs.	Upper Div.	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
CRITICAL TERM ONE: 0-15 CREDIT HOURS						
ASU 101: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101 is for ASU freshman students only; not required of transfer students. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Minimum grade of "C" required in all HSC core and concentration coursework.
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition or ENG 107 and 108: English for Foreign Students or ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Natural Science-General (SG) or Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
Social & Behavioral Sciences (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TRACKING TERM TWO: 16-30 CREDIT HOURS						
HSC 210: Cultural Aspects of Health	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. 	
PGS 101: Introduction to Psychology (SB)	3	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition or ENG 107 and 108: English for Foreign Students or ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
PHI 101: Introduction to Philosophy	3					
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TRACKING TERM THREE: 31-45 CREDIT HOURS						
Approved Medical or Technical Writing/Communications course	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. See your advisor for a list of courses that fulfill the Approved Medical or Technical Writing/Communications area 	
TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches	3	<input type="checkbox"/>		Grade of C		
NTR 100: Personal Nutrition OR NTR 241: Human Nutrition	3	<input type="checkbox"/>		Grade of C		
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>				
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
TRACKING TERM FOUR: 46-60 CREDIT HOURS						
Approved statistics course (CS) *	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. HSC students are required to take a statistics course to fulfill their (CS) general studies requirement. 	
HSC 300: Complementary Health Care	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Sciences (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TRACKING TERM FIVE: 61-75 CREDIT HOURS						
HSC 320: Applied Medical/Healthcare Ethics	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. 	
EXW 342: Health Behavior Change	3	<input checked="" type="checkbox"/>		Grade of C		
SOC 427: Sociology of Health and Illness	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input checked="" type="checkbox"/>				
	3	<input type="checkbox"/>				
TRACKING TERM SIX: 76-90 CREDIT HOURS						
HSC 330: Health Care Systems in the U.S.	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. 	
Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C		
PAF 300: Public Management and Public Administration	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Sciences (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
TRACKING TERM SEVEN: 91-105 CREDIT HOURS						
HSC 420: Evaluation of Health Sciences Research	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and Concentration coursework. 	
PAF 460 Public Service Ethics	3	<input checked="" type="checkbox"/>		Grade of C		
TCL 327: Health and Migration	3	<input checked="" type="checkbox"/>		Grade of C		
HSC 332: Health Care Legislation	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>		Grade of C		
TRACKING TERM EIGHT: 106-120 CREDIT HOURS						
HSC 400: Practicum in Health Sciences	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. 	
HSC 432: Legal Issues for Health Care Professionals	3	<input checked="" type="checkbox"/>		Grade of C		
EXW 346: Program Evaluation in Health Promotion	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>		Grade of C		

Critical Requirements: Students who follow the 2008-2009 catalog year and are entering ASU as either a first-time freshman or transfer from any Arizona public university or Arizona community college must complete critical requirements.

Graduation Requirements Summary

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (\$6 minimum)	Major GPA (2.000 Min.)	Total upper division Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)
120				51	

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)

First Year Composition

Additional Notes:

HSC students are required to take a statistics course to fulfill their (CS) general studies requirement. All students should see their advisor for approval *prior* to taking their statistics course.

Suggested General Studies Courses (*may have prerequisites that must be met prior to enrolling*):

- BIO 100: The Living World (4) [SQ] CHM 101: Introductory Chemistry (4) [SQ]
- PHI 103: Principles of Sound Reasoning (3) [L or HU]
- BIO 187: General Biology I (4) [SG] and BIO 188: General Biology II (4) [SG]
- BIO 201: Human Anatomy & Physiology I (4) [SG] and BIO 202: Human Anatomy & Physiology II (4) [SG]
- SOC 353: Death and Dying: Cross Cultural Perspectives (3) [HU or SB & G]
- BIO 318: History of Medicine (3) [H]
- ALD 420: Health Issues and Older Adults (3) [SB]
- GRN 420: Health Aspects of Aging (3) [SB]
- SOC 424: Women and Health (3) [L or SB]
- SOC 427: Sociology of Health & Illness (3) [L or SB]

Suggested Electives (*may have prerequisites that must be met prior to enrolling*):

- IED 494 Role of Tribal, State, & Federal Government in Indian Education (3)
- HSM 220 Health Care Organizations (3) [H]
- EXW 444 Epidemiology (3)
- MGT 310 Collaborative Team Skills (3)
- POS 220 Political Issues and Public Policy (3) [SB]
- POS 325 Public Policy Development (3) [SB]
- PGS 451 Stereotyping, Prejudice and Discrimination (3) [L]
- TLC 321 Transborder Community Development and Health (3 cr)
- TLC 323 Latino Health Issues (4 cr) [SB, C]
- TLC 326 Health of Chicanas and Latinas (3 cr) [SB, C]
- TCL 422 US-Mexico Border Health [3 cr]

Students may also wish to consider using their electives to complete a **minor in Nonprofit Administration**, which requires a total of 15 credits:

- Required:** NLM 160 Voluntary Action and Community Leadership [3 cr]
NLM 220 Introduction to Nonprofit Organizations [3 cr]
- Choose 3 courses:** NLM 300 Fund Raising and Resource Development [3 cr; Fall only]
NLM 301 Sustainable Communities [3 cr]
NLM 302 Inclusive Community Development [3 cr]
NLM 310 Volunteer Management [3 cr; Spring only]
NLM 435 Service Learning for Community Development [3 cr]
NLM 494 Special Topics, as approved by SCRD advisor
PRM 424 Recreation Program Management [3 cr; Spring only]
PRM 486 Special Events Management [3 cr]

Critical Requirements: Students who follow the 2008-2009 catalog year and are entering ASU as either a first-time freshman or transfer from any Arizona public university or Arizona community college must complete critical requirements.

Completed ATP: Yes No Completed AGEC: Yes No

Course Subject and Title <i>(courses in bold/shading are critical courses)</i>	Hrs.	Upper Div.	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
CRITICAL TERM ONE: 0-15 CREDIT HOURS					
ASU 101: The ASU Experience	1	<input type="checkbox"/>			<ul style="list-style-type: none"> ASU 101 is for ASU freshman students only; not required of transfer students. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Minimum grade of "C" required in all HSC core and concentration coursework.
CHM 101: Introductory Chemistry (SQ)	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition or ENG 107 and 108: English for Foreign Students or ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
TRACKING TERM TWO: 16-30 CREDIT HOURS					
<i>Complete 1 course from:</i> HSC 210: Cultural Aspects of Health OR HCR 230: Culture and Health (C & G) (HU)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
<i>Complete 1 course from:</i> HCR 220: Health Care Organizations OR HSC 330: Health Care Systems in the U.S.	3	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition or ENG 107 and 108: English for Foreign Students or ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Social & Behavioral Sciences (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>		Grade of C	
PHI 101: Introduction to Philosophy (HU)	3	<input type="checkbox"/>			
TRACKING TERM THREE: 31-45 CREDIT HOURS					
BIO 201: Human Anatomy and Physiology I (SG)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. HSC students are required to take a statistics course to fulfill their (CS) general studies requirement. See your advisor for a list of courses that fulfill the Approved Medical or Technical Writing/Communications area.
Approved Medical or Technical Writing/Communications course	3	<input type="checkbox"/>		Grade of C	
Approved statistics course (CS) *	3	<input type="checkbox"/>		Grade of C	
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
TRACKING TERM FOUR: 46-60 CREDIT HOURS					
NTR 241: Human Nutrition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
BIO 202: Human Anatomy and Physiology II (SG)	4				
<i>Complete 1 course from:</i> HSC 320: Applied Medical/Healthcare Ethics OR HCR 210: Clinical Health Care Ethics (HU)	3	<input type="checkbox"/>		Grade of C	
Social & Behavioral Sciences (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Elective or minor course	3	<input type="checkbox"/>			
TRACKING TERM FIVE: 61-75 CREDIT HOURS					
HCR 240: Human Pathophysiology OR NTR 340 Applc Human Nutr	4-3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
EXW 302: Fundamentals of Wellness	3	<input checked="" type="checkbox"/>		Grade of C	
EXW 346: Health Promotion and Program Evaluation	3	<input checked="" type="checkbox"/>		Grade of C	
HSC 300: Complementary Health Care	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective or minor course	3	<input checked="" type="checkbox"/>			
TRACKING TERM SIX: 76-90 CREDIT HOURS					
HSC 400: Practicum in Interdisciplinary Health Sciences	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
HSC 420: Evaluation of Health Sciences Research	3	<input checked="" type="checkbox"/>		Grade of C	
EXW 350: Substance Abuse and Addictive Behavior	3	<input checked="" type="checkbox"/>		Grade of C	
NTR 350: Nutrition Counseling	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective or minor course	3	<input checked="" type="checkbox"/>			
TRACKING TERM SEVEN: 91-105 CREDIT HOURS					
NTR 351: Nutrition and Health Communications	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and Concentration coursework.
EXW 342: Health Behavior Change	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Sciences (SB)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective or minor course	3	<input checked="" type="checkbox"/>			
Upper division elective or minor course	3	<input checked="" type="checkbox"/>			
TRACKING TERM EIGHT: 106-120 CREDIT HOURS					
NTR 450: Nutrition in the Life Cycle (SB)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
Upper Division Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective or minor course	3	<input checked="" type="checkbox"/>			
Upper division elective or minor course	3	<input checked="" type="checkbox"/>			
Upper division elective or minor course	3	<input checked="" type="checkbox"/>			
HSC 499 Independent Study	1-2	<input checked="" type="checkbox"/>			

Graduation Requirements Summary

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total upper division Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)
120				54	

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)

First Year Composition

Additional Notes:

HSC students are required to take a statistics course to fulfill their (CS) general studies requirement. Students must see their advisor for approval *prior* to registering for the course.

HSC majors in the Healthy Lifestyles Coaching concentration *might* also be interested in completing a minor in Nonprofit Administration, which requires 15 credits:

Required:	NLM 160	Voluntary Action and Community Leadership (3 cr)
	NLM 220	Introduction to Nonprofit Organizations (3 cr)
Choose 3 courses:	NLM 300	Fund Raising and Resource Development (3 cr; Fall only)
	NLM 301	Sustainable Communities (3 cr)
	NLM 302	Inclusive Community Development (3 cr)
	NLM 310	Volunteer Management (3 cr; Spring only)
	NLM 435	Service Learning for Community Development (3 cr)
	NLM 494	Special Topics, as approved by SCRD advisor
	PRM 424	Recreation Program Management (3 cr; Spring only)
	PRM 486	Special Events Management (3 cr)

Suggested General Studies Courses (*may have prerequisites that must be met prior to enrolling*):

- PGS 101: Introduction to Psychology (3) [SB]
- PHI 103: Principles of Sound Reasoning (3) [L or HU]
- MIC 205 & 206: Microbiology with Lab (4) [SG]
- CDE 232: Human Development (3) [SB]
- NTR 348: Cultural Aspects of Food (3) [SB & C & G]
- SOC 353: Death and Dying: Cross Cultural Perspectives (3) [HU or SB & G]
- SOC 427: Sociology of Health & Illness (3) [L or SB]

Suggested Electives (*may have prerequisites that must be met prior to enrolling*):

- EXW 300: Foundations of Exercise and Wellness (3)
- NTR 300: Computer Applications in Nutrition (3)
- EXW 325: Fitness for Life (3)

- NTR 346: Sports Nutrition (3)
- **EXW 400: Stress Management for Wellness (3)**

HSC majors in the Healthy Lifestyles Coaching concentration *might* also be interested in Vulnerable Populations. If this is so, the following courses are suggested to take as electives within the degree.

- ALD 420: Health Issues and Older Adults (3)
- GRN 420: Health Aspects of Aging (3)
- SOC 424: Women and Health (3)
- EXW 450: Cultural and Social Issues in Exercise and Wellness (3)

Critical Requirements: Students who follow the 2009-2010 catalog year and are entering ASU as either a first-time freshman or transfer from any Arizona public university or Arizona community college must complete critical requirements.

Course Subject and Title <i>(courses in bold/shading are critical courses)</i>	Hrs.	Upper Div.	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
CRITICAL TERM ONE: 0-15 CREDIT HOURS						
ASU 101: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101 is for ASU freshman students only; not required of transfer students. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Minimum grade of "C" required in all HSC core and concentration coursework.
BIO 187: General Biology I (SG)	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition or ENG 107 and 108: English for Foreign Students or ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>		Grade of C		
Social & Behavioral Sciences (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TRACKING TERM TWO: 16-30 CREDIT HOURS						
BIO 188: General Biology II (SQ)	4	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition or ENG 107 and 108: English for Foreign Students or ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>		Grade of C		
TRACKING TERM THREE: 31-45 CREDIT HOURS						
BIO 201: Human Anatomy and Physiology I (SG) †	4	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. Pre-Pharmacy students are approved to substitute MAT210 with MAT 270: Calculus with Analytic Geometry I (4). Pre-Veterinary students are approved to substitute BIO 201 with BIO 360: Animal Physiology (3-5). HSC students are required to take a statistics course to fulfill their (CS) general studies requirement.
MAT 210: Brief Calculus (MA) §	3	<input type="checkbox"/>		Grade of C		
CHM 233 & 237: General Organic Chemistry I with Lab (SQ)	4	<input type="checkbox"/>		Grade of C		
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>				
Approved statistics course (CS) *	3					
TRACKING TERM FOUR: 46-60 CREDIT HOURS						
BIO 202: Human Anatomy and Physiology II (SG) †	4	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework. Pre-Veterinary students are approved to substitute BIO 202 with BIO 331: Animal Behavior (3). Pre-Veterinary students are approved to substitute NTR 241 with ABS 378: Wildlife Nutrition (3).
CHM 234 & 238: General Organic Chemistry II with Lab (SQ)	4	<input type="checkbox"/>		Grade of C		
NTR 241: Human Nutrition †	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Sciences (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TRACKING TERM FIVE: 61-75 CREDIT HOURS						
PHI 101: Introduction to Philosophy (HU)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
PHY 111 & 113: Gen. Physics I with Lab (SQ)	4	<input type="checkbox"/>		Grade of C		
MIC 220 & 206: Biology of Microorganisms with Lab	4	<input type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>				
TRACKING TERM SIX: 76-90 CREDIT HOURS						
HSC 320: Applied Medical/Healthcare Ethics	3	<input checked="" type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
EXW 342: Behavior Health Change	3	<input checked="" type="checkbox"/>		Grade of C		
HSC 300: Complementary Health Care	3	<input checked="" type="checkbox"/>		Grade of C		
PHY 112 & 114: Gen. Physics II with Lab (SQ)	4	<input type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>				
TRACKING TERM SEVEN: 91-105 CREDIT HOURS						
HSC 400: Practicum in Health Sciences	3	<input checked="" type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and Concentration coursework. See your advisor for a list of courses that fulfill the Approved Medical or Technical Writing/Communications area
BCH 361 & 367: Principles of Biochemistry Lecture & Lab	4	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Medical or Technical Writing/Communications (L)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
TRACKING TERM EIGHT: 106-120 CREDIT HOURS						
HSC 420: Evaluation of Health Sciences Research	3	<input checked="" type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Minimum grade of "C" required in all HSC core and concentration coursework.
BIO 340: General Genetics	4	<input checked="" type="checkbox"/>		Grade of C		
Upper division elective	3	X				
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Sciences (SB)	3	<input checked="" type="checkbox"/>				
Upper division elective	1	<input checked="" type="checkbox"/>				

Graduation Requirements Summary

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total upper division Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)
120				47	

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)

First Year Composition

Additional Notes:

HSC students are required to take a statistics course to fulfill their (CS) general studies requirement.

Depending on the professional program applied to, the following course(s) *might* also be prerequisites for admission or highly suggested to take prior to attending. Students should check professional program requirements prior to registering for the course(s).

Profession-Specific Suggested Electives (*may have prerequisites that must be met prior to enrolling*):

- Pharmacy – MAT 270: Calculus with Analytic Geometry I (4)
- Physical Therapy – PGS 341: Developmental Psychology (3); KIN 340: Physiology of Exercise (3)
- Veterinary Medicine – ABS 378: Wildlife Nutrition (3); BIO 360: Animal Physiology (3-5); BIO 331: Animal Behavior (3)

Suggested General Studies Courses (*may have prerequisites that must be met prior to enrolling*):

- PGS 101: Introduction to Psychology (3) [SB]
- PHI 103: Principles of Sound Reasoning (3) [L or HU]
- BIO 318: History of Medicine (3) [H]
- SOC 353: Death and Dying: Cross Cultural Perspectives (3) [HU or SB & G]
- ALD 420: Health Issues and Older Adults (3) [SB]
- GRN 420: Health Aspects of Aging (3) [SB]
- SOC 424: Women and Health (3) [L or SB]
- SOC 427: Sociology of Health/Illness (3) [L or SB]

Linda Vaughan

From: Frederick Corey
Sent: Tuesday, October 06, 2009 7:13 PM
To: Linda Vaughan
Cc: Craig Thatcher; Barbara Lafford
Subject: RE: BS Health Sciences revised proposal

Linda,

Greetings! PHI 101 is no problem at all. This is for Fall 2010, correct? It's a good course, very good. We will ask that you use the Reserve Capacity function to hold seats for CONHI students and then we will fill the rest (capacity 50) with general ed students from journalism and public programs.

All my best, always, Fred

-----Original Message-----

From: Linda Vaughan
Sent: Tue 10/6/2009 1:38 PM
To: Frederick Corey
Cc: Craig Thatcher
Subject: FW: BS Health Sciences revised proposal

Long time no see!! Craig and I are about to ask you and your faculty to once again provide for our students' lower division gen ed courses! We are [still] submitting a proposal for a BS and BAS in Health Sciences and needed to add PHI 101 as a pre-req for one of our upper division courses. The number of BAS students will be very small, certainly less than 10/sem to start, and many will have taken PHI 101 while community college students. The BS students will hopefully jump to a total of 100 within one academic year although most will come in as juniors, e.g. "rejects" from nursing after being blocked from the jr/sr clinical years. Again, a certain % will have taken PHI 101 prior to coming into the Health Sciences program but I can't predict what that would be.

It appears I need some documentation from you that you and your faculty will be able to meet the needs of Health Sciences students for PHI 101 on the downtown campus. Please let me know if there is any other information you might need. Thanks much. Hope your semester is "fun filled"!

From: Julie Ramsden
Sent: Monday, October 05, 2009 8:18 AM
To: Linda Vaughan
Cc: Craig Thatcher; Glenn Irvin
Subject: BS Health Sciences revised proposal

Hello Linda,

Linda Vaughan

From: Gerry Corey
Sent: Monday, October 12, 2009 1:01 PM
To: Linda Vaughan
Cc: Craig Thatcher; Linda Lederman; Jenny Smith
Subject: FW: Access to TCL 201 and TCL 327

Linda,

TCL would welcome your students. Please note that these courses are offered only in the fall and that enrollments would have to be somewhat larger to justify the addition of spring sections. Given your projections and their recent enrollment history, that probably won't happen at least in the first several years.

If you need anything else, please let me know.

Gerry

From: Carlos Velez-Ibanez
Sent: Monday, October 12, 2009 12:44 PM
To: Gerry Corey
Subject: RE: Access to TCL 201 and TCL 327

We would welcome them to our classes and we have some wiggle room. On offering these in the Spring depends very much on expected enrollments. If they want to take them, we can probably arrange their being offered. cvi

Carlos G. Vélez-Ibáñez

Motorola Presidential Professor of Neighborhood Revitalization

*Professor of Transborder Chicana/o and Latina/o Studies and School of Human Evolution and Social Change
Chair, Department of Transborder Chicana/o and Latina/o Studies*

Professor Emeritus of Anthropology, University of California, Riverside

Arizona State University

Tempe, Arizona 85287

Carlos.Velez-Ibanez@asu.edu 480 965-4908

From: Gerry Corey
Sent: Monday, October 12, 2009 12:38 PM
To: Carlos Velez-Ibanez
Cc: Jenny Smith; Linda Lederman
Subject: FW: Access to TCL 201 and TCL 327

Carlos,

Please see Linda Vaughan's note below. They would like to add TCL 201 and 327 as required courses to a proposed concentration in Health Policy for a new BS in Health Sciences. Would you please confirm whether the department can serve the expected enrollments in those courses? These courses have been offered fall semester only. It will be helpful to her to know whether you intend to offer these courses in the spring, as well. Please send your response to me and I shall see that all relevant parties are informed. Thanks.

From: Linda Lederman
Sent: Sunday, October 11, 2009 4:07 PM
To: Linda Vaughan
Cc: Craig Thatcher; Gerry Corey
Subject: RE: Access to TCL 201 and TCL 327

Hi Laura,

From: Kay Faris
Sent: Thursday, October 29, 2009 12:29 PM
To: Heather Hoffart
Subject: FW: BS health sciences proposal

Heather, below are comments from Dr. Baldwin, Director of the School of Health Management and Policy:

Clearly, the health policy concentration overlaps our 'territory' but we do not have an undergraduate program in health policy and I don't foresee any plans to develop one. I have no objections to the current proposal, but I would object to any such proposal at the Masters level.

If you have any other questions, please let us know.

Kay Faris
Associate Dean
W. P. Carey School of Business
Arizona State University
Tempe, AZ 85287-3406
Phone: 480-965-7587
Fax: 480-965-3846