**New Undergraduate Program (Majors, Minors, Sequences) Proposal  
Illinois State University - University Curriculum Committee**

**Program Department**   Health Sciences

**Submission Date**  Tuesday, November 28, 2023

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**Version**   4   **ID**   448

**Title of New Program**   Applied Health Sciences

**Proposed Starting Catalog Year**   2025-2026

**1.**

**Proposed Action**

✓

New Major

**Major CIP Code** 51.00

New Minor

New Sequence

More than 50% of courses in this program are Distance Education

**Degree Type(s)**

Bachelor of Science

**2.**

**Provide *Undergraduate Catalog* copy for new program.**

Admission/Retention Requirements

**Applied Health Sciences:**Students currently enrolled at Illinois State University who wish to change their major to Applied Health Sciences must have a minimum GPA of 2.00. Students must earn grades of C or better in all courses required by the major and maintain a minimum cumulative GPA of 2.00 for retention in the program.

Degree offered: B.S.

**Major Requirements**

**Minimum required credit hours: 60**

* HSC 101
* HSC 102 (1 credit hour; repeated up to a max of 3 hours)
* HSC 105
* HSC 204 (see note below for alternative course options)
* HSC 248
* HSC 292

**Complete a minimum of 4 science/social science courses (18 credit hours) from the following**

* BSC 145
* BSC 160
* BSC 197
* CHE 110 and CHE 112
* CHE 140
* CHE 141
* CHE 220
* IT 166
* KNR 181 and KNR 183 or BSC 181
* KNR 182 and KNR 184 or BSC 182
* PHY 105
* PSY 110
* PSY 213

**Complete a minimum of 7 HSC elective courses (21 credit hours) from the following. Nine of the 21 hours must be 300-level courses.**

* HSC 206
* HSC 207
* HSC 210
* HSC 222
* HSC 230
* HSC 254
* HSC 258
* HSC 270
* HSC 287 (1-3)
* HSC 296
* HSC 297
* HSC 298a04 (1-3)
* HSC 299 (1-3)
* HSC 300
* HSC 315
* HSC 322
* HSC 350
* HSC 362
* HSC 377
* HSC 378
* HSC 385
* HSC 390
* HSC 394

**Complete a minimum of 2 courses (6 credit hours) from outside the Department of Health Sciences (non-HSC courses) with approval from an advisor or program coordinator.**

**Notes:**

* The following courses may be taken to satisfy the HSC 204 statistics requirement: MGT 100, ECO 138, PSY 138, POL 138, MAT 150, NUR 138. Transfer students may take an Illinois Articulation Initiative (IAI) M1 902 course.

**3.**

**Provide a description for the proposed program.**

The Bachelor of Science (BS) in Applied Health Sciences is for students who wish to enter a non-clinical health career such as case management, human services, medical marketing and sales, pharmaceutical manufacturing and distribution, health content specialist, epigenetics counseling, tele-health/tele-medicine experience design, patient advocate/navigator, logistics and more. Graduates holding the BS in Applied Health Sciences may also be qualified to enter graduate or professional school or other dual-degree programs.

**4.**

**Provide a rationale of proposed program.**

The Bureau of Labor Statistics (BLS) projects 11% growth in public health careers by 2026. Healthcare Occupations in general are projected to grow by 15% by 2029. This is especially true for health technicians (up to 19% projected growth), genetics counselors (21%), health services managers (32%) and nurse practitioners (45%). According to the Center for Workforce Studies at the Association of American Medical Colleges (AAMC), the number of individuals over the age of 65 is set to double in the United States by 2030, placing increased demand on all levels of the US healthcare system.

* The combination of interdisciplinary health and basic science coursework will provide an attractive plan of study for students with career interests in healthcare but not a patient/client-facing setting.
* The trend toward interdisciplinary approaches to complex health problems is rapidly accelerating throughout research and practice in various public health settings and organizations. The Institute of Medicine described the need to involve students in interdisciplinary approaches as part of their professional preparation.
* Collaboration between Health Sciences and other academic units on campus provides a unique opportunity to attract new students to ISU and retain applicants with an interest in complementary degree programs on campus such as accelerated nursing or business.
* Because of the interdisciplinary nature of the program and collaboration among several academic units existing courses can be used to deliver the program, resulting in low to zero operational costs.
* Low credit-hour requirements and elective flexibility make AHS a natural choice for students looking to pursue 4+1 master’s degree programs in health-related professions.

**5.**

**Describe the expected effects of the proposed program on existing campus programs (if applicable).**

Majors on campus: It is expected that this plan of study will be attractive to students who are currently undecided about a major but have an interest in healthcare and students who are looking for a health-related major that will provide the flexibility and context for a successful transition into an accelerated nursing program. This program will also provide an opportunity for students in Health Sciences who are unable or uninterested in completing a major in one of the other HSC plans but still want a degree and career in healthcare or heath-related professions. As such, the two plans on campus that are expected to be impacted the most are:

1. Plans of study in Health Sciences: Students who are unsuccessful in an HSC plan of study and transfer into Applied Health Sciences or students who are in HSC programs with plans to move into an accelerated nursing program (Health Sciences has always been a place where future nursing students have sought degrees) will reduce the number of students in existing HSC plans. However, since these will be internal "transfers" the overall impact on the department will be negligible.
2. Undeclared and University Studies (Office of the Provost): Students from these programs with an interest in healthcare will be encouraged to consider a degree in Applied Health Sciences. It is not expected that there will be a major impact on these two programs, but opportunities for students to transfer from either of these plans to a degree in Applied Health Sciences is desirable.
3. Other plans on campus that have students enrolled with a desire to move into an accelerated nursing program: It is not expected that there will be any major transition from any of the programs on campus with these students into Applied Health Sciences. Students will continue to choose the major that most interests them as they prepare to apply for accelerated nursing. Any impact on existing "pre-nursing" programs is expected to be minor.

Applied Health Sciences students in classes: Based on the descriptions above regarding where students will come from, the expected impact on individual class enrollments will be minimal. The students described above are already self-selecting into the core science and technology courses (non-Health Sciences) in the plan of study from other Health Sciences majors. Home departments and schools with these courses should not expect to see a significant uptick in the overall number of students in the classroom. The individual department that will need to accommodate the greatest number of new students is Health Sciences.

**6.**

**Provide a sample four-year plan of study that fulfills the following requirements:** 120 hours, 42 senior college hours (200 and 300 level courses), and 39 General Education Program hours or 36 hours with exemption. If the program is a BS program, show the BS-SMT degree requirement. If the program is from CAS, show Foreign Language Requirement (LAN 111/LAN 112). Confirm General Education requirement exemptions on the General Education page of the current Academic Catalog.*4-year plans are not required for minor program proposals.*

**First Year – Fall Semester (16 credit hours)**

ENG 101 or COM 110 (Gen Ed) (3)

PSY 110 (Ge. Ed) (3)

Gen Ed (3)

Gen Ed (3)

Gen Ed (3)

HSC 101 (1)

**First Year - Spring Semester (16 credit hours)**

ENG 101 or COM 110 (Gen Ed) (3)

Gen Ed (3)

Gen Ed (3)

Gen Ed (3)

HSC 292 (3)

HSC 102 (1)

**Second Year – Fall Semester (15 credit hours)**

HSC 204 (3) (Gen Ed)

HSC 105 (3)

Major science/social science elective (3)

Gen Ed (3)

Gen Ed (3)

**Second Year – Spring Semester (15 credit hours)**

HSC 248 (3)

Gen Ed (3)

Gen Ed (3)

Major science/social science elective (3)

Major elective (3)

**Third Year – Fall Semester (15 credit hours)**

Major science/social science elective (3)

AHS major elective (3)

Major elective (3)

University-wide elective or AMALI (3)

University-wide elective (3)

**Third Year – Spring Semester (15 credit hours)**

Major elective (3)

Major elective (3)

Major (non-HSC) elective (3)

University-wide elective or IDEAS (3)

University-wide elective (3)

**Fourth Year – Fall Semester (15 credit hours)**

Major elective (3)

Major (non-HSC) elective (3)

University-wide elective (3)

University-wide elective (3)

University-wide elective (3)

**Fourth Year – Spring Semester (13 credit hours)**

AHS elective (3)

HSC 102 (1)

University-wide elective (3)

University-wide elective (3)

University-wide elective (3)

**7.**

**Describe the expected curricular changes required, including new courses. If proposals for new courses have also been submitted, please reference those related proposals here:**

Two new seminar courses will be developed as part of this program that may also be introduced in other HSC programs in the future:

HSC 101: Health Sciences Foundations - This seminar will blend elements of a foundations of inquiry seminar and a pathways in healthcare seminar to give students an introduction to the program and prime them for personal skill development and elective strategies that will lead to success as graduates in healthcare. This proposal is submitted and under review.

HSC 102: Health Sciences Explorations - This seminar will take a deeper look at contemporary issues and topics in healthcare. Modelled loosely after the Honors Exploration experience, students will explore a unique topic in healthcare using a variety of pedagogical techniques. The topics will vary from year-to-year and Applied Health Sciences students will be expected to repeat HSC 102 at least once. Students will gain from these explorations regardless of their major or career aspirations in health and wellness. This proposal is submitted and under review.

**8.**

**Anticipated funding needs and source of funds.**

This degree program is built using existing Health Sciences courses and instructors. Currently, course enrollments in the department will accommodate projected growth in this and other programs so additional resources are not needed at this time. If the program grows to exceed current faculty resources and new students choose ISU for Applied Health Sciences who would have otherwise gone elsewhere, new sections will be needed, and additional resources will need to flow to those needs. These resources would primarily be personnel. Classroom space is available and the proposed curriculum in HSC does not require the use of unshared laboratory technology.

**9.**

**No**

**Does this program count for teacher education?**

**10.**

**No**

**Is this an Interdisciplinary Studies program?**

**11.**

**The following questions must be answered.**

**Yes**

Have you confirmed that Milner Library has sufficient resources for the proposed program?

**No**

Are more than 120 hours required to complete a degree with this major?

**No**

Beyond General Education, does the major require more than 66 semester hours?

**Yes**

Does this B.A., B.S., B.S.Ed. require more than 55 semester hours of major courses?

**No**

Does this program stipulate specific general education courses offered in the major department/school as a part of the major requirements only if such courses serve as prerequisites for other courses required by the major?

**Yes**

Does this program stipulate specific course requirements (majors/sequences only) that also satisfy general education and/or IAI requirements?

Please specify those courses below.

HSC 204: Health Data Analysis and Statistics [GE QR] or General Education Statistics [GE QR or IAI M1902]

**No**

Is the proposed program intended to be longer than four years (as indicated by the plan of study)?

**Yes**

Have letter(s) of concurrence from affected departments/schools been obtained?  
*A departments/school is affected if it has a program with significant overlap or if it teaches a required or elective course in the program.*