



**SCHOOL OF HEALTH
AND REHABILITATION
SCIENCES**

INDIANA UNIVERSITY
IUPUI

MEMORANDUM

TO: Sherry Queener, Associate Dean, IU Graduate School
FROM: Joyce Mac Kinnon, Associate Dean, SHRS
SUBJECT: MS in Health Sciences revision
DATE: March 30, 2010

Please accept this request to revise the School of Health and Rehabilitation Sciences' MS in Health Sciences degree. These revisions are being made to more closely align the master's degree with the School's PhD degree.

I have attached the proposed revision along with the current degree, which has been on hold for two years. No students are currently enrolled in the degree.

The revisions are as follows:

1. Prospective students no longer have to be licensed or credentialed in a health care field. This change expands our applicant pool.
2. GRE scores are no longer required for admission. However, we have maintained the requirement of a 3.0 undergraduate GPA and we have added the requirement of an undergraduate statistics or research methods course taken with a grade of B (3.0) or better. This change may make the degree more attractive to students for whom the GRE is perceived as a barrier to pursuing formal coursework at the graduate level.
3. The curriculum of the revised degree is based on a core set of required courses totaling 21 credit hours. The current degree has 12 credit hours of core courses. The change was made to more efficiently utilize existing resources.
4. There are no cognate areas identified in the revised degree proposal. Instead, the student would have the choice of 9 credit hours of electives. The change was made to enable us to better advise students once they were in the program, as well as to positively impact progression and graduation rates.

Please let me know if additional information is needed or would be useful. Thank you for your consideration of this revised degree.

3/31/10admin:MSHS revision memo to S Queener

Master of Science in Health Sciences

Description and purpose of the program: The Master of Science in Health Sciences is an interdisciplinary graduate degree designed for health and rehabilitation professionals and educators interested in pursuing advanced education at the master's level. Graduates of the program will acquire advanced knowledge and understanding of current trends and issues, and the problem-solving skills to prepare them to assume leadership roles in practice and educational settings.

The program is designed to meet the educational needs of practicing health and rehabilitation professionals and educators. Courses are offered in a combination of compressed/intensive classroom, on-line, and distance formats. Most of the courses taken to satisfy the requirements of the master's degree can be used to fulfill course requirements for the PhD in Health and Rehabilitation Sciences.

The program consists of a minimum of 36 credit hours of course work, including a required 6 hour project or thesis. The program curriculum consists of three components: (1) health science core courses to include preparation for project/thesis (21 credit hours); elective courses (9); and project/thesis (6)

ADMISSION:

Requirements: Students accepted into the program must complete university, school, and program admission requirements. The minimum admission requirements are as follows:

1. A baccalaureate degree from an accredited institution (applicant must submit an official copy of all undergraduate transcripts).
2. Cumulative undergraduate grade point average of 3.0 on a 4.0 scale.
3. At least one undergraduate statistics or research methods course completed with a grade of B or better.
4. Three letters of recommendation from those familiar with the applicant's academic and professional performance.
5. 300 to 500 word personal statement of academic and professional goals.
6. If applicable, a TOEFL score of at least 600.

No student will be permitted to work toward a degree without first being admitted to the Master of Science program.

Prior Course Work Applied Toward Degree Requirements

A maximum of 6 graduate credit hours earned at Indiana University before admission may be applied toward a degree. Upon the recommendation of the Health Sciences program director and with the approval of the School of Health and Rehabilitation Sciences Academic Studies and Research Development Committee, up to 8 credit hours of graduate work at other institutions may be transferred in partial fulfillment of degree requirements. No course may be transferred from another institution unless the course was completed with a grade of B or higher within five years before matriculation in the Master of Science degree program.

Application Materials

An applicant must submit complete application forms to the Office of Academic and Student Affairs, School of Health and Rehabilitation Sciences. Transcripts from all universities attended must be included. However, if the applicant is a graduate of Indiana University, the school will obtain those transcripts directly. Non-Indiana University graduates must submit at least one official transcript from each university attended. A nonrefundable application fee is required from all applicants who have never attended Indiana University.

Curriculum:

A total of 36 credit hours would be required to complete the degree, allocated as follows:

Core/Required Courses (21 credit hours):

SHRS W510 Trends and Issues in Health Sciences (Mushi-Brunt)	3
SHRS W520 Evidence Based Critical Inquiry in the Health Sciences (Mac Kinnon)	3
SHRS W661 Theories of Health Promotion/Disease Prevention (Mushi-Brunt)	3
SHRS W667 Ethical Issues in Rehabilitation Services(Agho) (or equivalent)	3
SHRS W550 Health and Rehabilitation Systems Across the World (Agho)	3
SHRS W625 Diversity Issues in Health and Rehabilitation Services (Buckner-Brown)	3
NURS R505 Research Methods (or equivalent)	3

Electives (9 credit hours) to be determined in consultation with the program director.

Examples:

SHRS W540 Patient Centered Outcomes Research (Mac Kinnon)	3
SHRS W660 Rehabilitation Theories and Application (Crabtree)	3
SHRS W662 Rehab Services in Health Care Systems and Delivery (Weaver)	3
SHRS W650 Global Perspectives in Nutrition, Health, Disease, Disability (Ernst)	3
SHRS W640 Medical Aspects of Disabilities (Gupta)	3
SHRS W562 Psychological Aspects of Disabilities (Voci)	3
SHRS W594 Administration of Health Sciences Education (Agho)	3

Project or thesis (6 credit hours)

SHRS W599 Thesis (arranged) OR	6
SHRS W600 Project in Health Sciences	6

(A) Academic Programs

(B) Department of Health Sciences

The educational programs in Health Sciences are located on the Indiana University–Purdue University Indianapolis campus.

(C) Master of Science in Health Sciences at Indiana University–Purdue University Indianapolis

(E) **Program Director:** Professor Joyce Mac Kinnon

(E) **Research Associate:** Christopher Robbins

(E) **Assistant Research Professor:** Christina Mushi-Brunt

(E) **Description and purpose of the program:** This graduate program is offered through the University Graduate School. The program's objective is to provide credentialed health care professionals information about current trends and issues in health care. This includes the growing use of technology, the use of evidence to inform practice decisions, and the use of outcome measures focused on the individual patient/client. Concurrently, the student is able to develop a concentration in a related cognate area including but not limited to education, management, or advanced practice.

The program is designed for working health care professionals intending to work in educational or clinical settings who want to pursue advanced formal education that encompasses new technologies and ways of informing practice while permitting flexibility in exploring particular cognate areas of interest. Many of the courses are offered in the evening or through distance education formats.

Program Requirements

The program consists of a minimum of 36 credit hours, including a required 6-credit-hour practicum or thesis. The program curriculum consists of three components: (1) health sciences core courses; (2) research courses, to include the thesis or practicum; and (3) courses in the cognate area. The program director and the student formulate an academic program plan to assure relevance to the student's long-range professional plans.

(D) ADMISSION

(E) **Requirements** Students accepted into the program must complete university, school, and program admission requirements. The minimum admission requirements are as follows.

1. A baccalaureate degree from an accredited institution (applicant must submit an official copy of all undergraduate transcripts).
2. Total undergraduate grade point average of 3.0 on a 4.0 scale.
3. An appropriate record of achievement on the Graduate Record Examination (GRE) scores of at least 500 on verbal and analytical sections General Test OR, for those students enrolled in the Certificate in Health Sciences Patient Centered Outcomes (see certificate description below), completion of all four courses in the certificate with a grade of B (3.0) or better in each course.
4. Two letters of recommendation from those familiar with the applicant's academic and professional performance.
5. Eligibility for license or credential in a health care profession.
6. 300 to 500-word personal statement of academic and professional goals.
7. If applicable, a TOEFL score of at least 600.

Exceptions to these requirements may be granted by the School of Health and Rehabilitation Sciences Academic Studies and Research Development Committee upon written petition from the applicant and with written recommendation from the Health Sciences program director. The petition must include a full statement of conditions justifying the exception. Conditional admission will be for a stated time period and will entail specific conditions to be met to receive regular admission status.

No student will be permitted to work toward a degree without first being admitted to the Master of Science program.

(E) **Prior Course Work Applied Toward Degree Requirements** A maximum of 6 graduate credit hours earned at Indiana University before admission may be applied toward a degree. Upon the recommendation of the Health Sciences program director and with the approval of the School of Health and Rehabilitation Sciences Academic Studies and Research Development Committee, up to 8 credit hours of graduate work at other institutions may be transferred in partial fulfillment of degree requirements. No course may be transferred from another institution unless the course was completed with a grade of B or higher within five years before matriculation in the Master of Science degree program.

1. A baccalaureate degree from an accredited institution (applicant must submit an official copy of all undergraduate transcripts).
2. Total undergraduate grade point average of 3.0 on a 4.0 scale.
3. An appropriate level of achievement Graduate Record Examination (GRE) on the General Test scores of at least 500 on verbal and analytical sections OR for those students enrolled in the Certificate in Health Sciences Patient Centered Outcomes (see certificate description below), completion of all four courses in the certificate with a grade of B (3.0) or better in each course.
4. Two letters of recommendation from those familiar with the applicant's academic and professional performance.
5. Eligibility for license or credential in a health care profession.
6. 300 to 500-word personal statement of academic and professional goals.
7. If applicable, a TOEFL score of at least 600.

Exceptions to these requirements may be granted by the School of Health and Rehabilitation Sciences Academic Studies and Research Development Committee upon written petition from the applicant and with written recommendation from the Therapeutic Outcomes Research program director. The petition must include a full statement of conditions justifying the exception. Conditional admission will be for a stated time period and will entail specific conditions to be met to receive regular admission status.

No student will be permitted to work toward a degree without first being admitted to the Master of Science Program.

(E) Prior Course Work Applied Toward Degree Requirements A maximum of 6 graduate credit hours earned at Indiana University before admission may be applied toward a degree. Upon the recommendation of the Therapeutic Outcomes Research program director and with the approval of the School of Health and Rehabilitation Sciences Academic Studies and Research Development Committee, up to 8 credit hours of graduate work at other institutions may be transferred in partial fulfillment of degree requirements. No course may be transferred from another institution unless the course was completed with a grade of B or higher within five years before matriculation in the Master of Science degree program.

(E) Application Materials An applicant must submit completed application forms to the Office of Academic and Student Affairs, School of Health and Rehabilitation Sciences. Transcripts from all universities attended must be included. However, if the applicant has graduated from Indiana University, the school will obtain those transcripts directly. Non-Indiana University graduates must submit at least one official transcript from each university attended.

(D) Course Requirements

A total of 30 credit hours beyond the bachelor's degree, of which 12 credit hours are in health outcomes, 3 credit hours are in electives, and 15 credit hours are in research (including thesis work).

(D) Thesis Requirement

The capstone experience is the writing and submission of a thesis based on original research conducted by the student and supervised by a thesis committee. Curricular electives are focused on developing expertise to articulate and research a testable hypothesis in a specific content area pertaining to patient-centered outcomes under the direction of a research advisor holding graduate faculty membership in the University Graduate School. Theses must follow the *Indiana University Guide to the Preparation of Theses and Dissertations*.

(D) CURRICULUM

Health Outcomes (12 cr.):

- AHLT W510 Trends and Issues in the Health Sciences (3 cr.)
- SPEA H517 Managerial Epidemiology (3 cr.)
- INFO I5350 Seminar in Health Informatics Applications/Clinical Information Systems (3 cr.)
- AHLT W540 Patient-Reported Outcomes and Economic Evaluation (3 cr.)

Electives (3 cr.):

- [In consultation with graduate advisor] (3 cr.)

Research (15 cr.):

- GRAD G651 Introduction to Biostatistics I (3 cr.)
- AHLT W520 Evidence-Based Critical Inquiry in the Health Sciences (3 cr.)
- AHLT W570 Research Communication in Health Sciences (3 cr.)
- AHLT W599 Thesis in Health Sciences (6 cr.)

Total Minimum Credits: 30 cr.

Courses offered in other IUPUI schools:

(E)Application Materials An applicant must submit completed application forms to the Office of Academic and Student Affairs, School of Health and Rehabilitation Sciences. Transcripts from all universities attended must be included. However, if the applicant has graduated from Indiana University, the school will obtain those transcripts directly. Non-Indiana University graduates must submit at least one official transcript from each university attended.

A nonrefundable application fee is required from all applicants who have never attended Indiana University.

(D)CURRICULUM

A total of 36 credit hours will be required to complete the degree. The hours are allocated as follows:

Health Sciences Core Courses (12 credit hours)

AHLT W510 Trends and Issues in Health Sciences (3 cr.)

AHLT W520 Evidence-Based Critical Inquiry in the Health Sciences (3 cr.)

AHLT W540 Patient-Reported Outcomes and Economic Evaluation (3 cr.)

INFO I5305 Seminar in Health Informatics Applications/Clinical Information Systems (3 cr.)

These four courses are offered online as part of the Certificate in Health Sciences Patient Centered Outcomes.

Research (12 credit hours)

GRAD G651 Introduction to Biostatistics (or equivalent) (3 cr.)

AHLT W570 Research Communication (3cr.)

AHLT W599 Thesis in Health Sciences(6 cr.)

Cognate Area (12 credit hours)

Students earning to the M.S. in Health Sciences must declare a cognate area in consultation with the program director. Examples of cognate areas include but are not limited to management/supervision, education, and advanced clinical concentration.

After identifying the cognate area and in consultation with the program director, the student will develop a plan of study in which all courses in the cognate area are identified. Listed below are some examples of possible cognate areas and possible courses within these areas. This list is meant to be illustrative and not comprehensive. The actual courses to be taken by each student should be determined in consultation with the program director and made formal in the student's plan of study.

Examples of possible cognate areas and possible courses:

Management/Supervision (15 credit hours)

NURS L573 Organizational Behavior (3 cr.)

NURS L574 Administrative Management (3 cr.)

NURS L575 Corporate/Public Policy (3 cr.)

NURS L651 Financial Management (3 cr.)

SPEA H514 Health Economics (3 cr.)

SPEA H508 Managing Health Accounting Information for Decision-Making (3 cr.)

SPEA H623 Health Care Applications of Strategic Management (3 cr.)

Education (15 credit hours)

EDUC P575 Developing the Human Potential (3 cr.)

EDUC H520 Sociology of Education (3 cr.)

EDUC H530 Philosophy of Education (3 cr.)

ACE D500 Adult Learning Theory (3 cr.)

ACE D505 The Adult as a Client of Education (3 cr.)

AHLT Z530 Clinical Education in the Health Sciences (3 cr.)

AHLT Z526 Application of MBTI in Health Sciences (3 cr.)

NURS T615 Nursing Curriculum (3 cr.)

NURS T670 Teaching of Nursing (3 cr.)

NURS D742 Legal and Ethical Issues in Nursing Education (3 cr.)

NURS W505 Interprofessional Collaboration in the Urban Schools and Communities (3 cr.)

NURS T550 Cultural/Community Forces and the Schools (3 cr.)

Advanced Clinical Concentration (15 credit hours)

AHLT N550 Human Nutritional Pathophysiology I (3 cr.)

AHLT N552 Human Nutritional Pathophysiology II (3 cr.)

GRAD G651 Introduction to Biostatistics I (3 cr.)
SPEA H517 Managerial Epidemiology (3 cr.)
INFO I5350 Seminar in Health Informatics Applications/Clinical Information Systems (3 cr.)

For further information, contact Professor Joyce MacKinnon, Ed.D., Therapeutic Outcomes Research Program, School of Health and Rehabilitation Sciences, 1140 W. Michigan Street, Indianapolis, IN 46202; phone: (317) 274-1029; e-mail: jmackinn@iupui.edu.

(C)Certificate in Health Sciences Patient Centered Outcomes

(E)Certificate Director: Professor Joyce Mac Kinnon

(E)Description and Purpose of the Program This four-course, 12-credit-hour certificate is designed to provide credentialed health care professionals with information about the current trends and issues in health care, to include the growing use of technology, use of evidence to inform practice decisions, and the use of outcome measures focused on the individual patient/client. The certificate will provide clinicians the opportunity to demonstrate career development in an area becoming increasingly important to clinicians both nationally and internationally. All courses are offered online.

The certificate is constructed so that all courses can be used as part of the two advanced master's degrees offered by the Department of Health Sciences: the Master of Science in Health Sciences and the Master of Science in Therapeutic Outcomes research.

Students must complete all required course work (the four designated courses) with a grade of B (3.0) or better. Students will have three years to complete the certificate. The certificate director will be responsible for certifying completion of all requirements and will notify the University Graduate School once all requirements have been met. The director will ensure that certificate information is properly recorded with university offices.

(D)ADMISSION

(E)Requirements Students accepted into the program must complete university, school, and program admission requirements. The minimum admission requirements are as follows.

1. A baccalaureate degree from an accredited institution (applicant must submit an official copy of all undergraduate transcripts).
2. Total undergraduate grade point average of 3.0 on a 4.0 scale.
3. Two letters of recommendation from those familiar with the applicant's academic and professional performance.
4. Eligibility for license or credential in a health care profession.
5. 300 to 500-word personal statement of academic and professional goals.
6. If applicable, a TOEFL score of at least 600.

Exceptions to these requirements may be granted by the School of Health and Rehabilitation Sciences Academic Studies and Research Development Committee upon written petition from the applicant and with written recommendation from the chair of the Department of Health Sciences. The petition must include a full statement of conditions justifying the exception. Conditional admission will be for a stated time period and will entail specific conditions to be met to receive regular admission status.

No student will be permitted to work towards the certificate without first being admitted to the certificate program.

(E)Prior Course Work Applied Toward Degree Requirements No credits will be accepted from other institutions to fulfill the requirements of the certificate. No undergraduate courses can be used to fulfill the requirements of the certificate.

(E)Application Materials An applicant must submit completed application forms to the Office of Academic and Student Affairs, School of Health and Rehabilitation Sciences. Transcripts from all universities attended must be included. However, if the applicant has graduated from Indiana University, the school will obtain those transcripts directly. Non-Indiana University graduates must submit at least one official transcript from each university attended.

(D)CURRICULUM