

0. Form NP – New Program Proposal Form

**NEW PROGRAM PROPOSAL FORM**

Sponsoring Institution(s): Northwest Missouri State University

Program Title: Applied Health Science

Degree/Certificate: Bachelor of Science

Options: Aging Studies emphasis  
Exercise Science emphasis

Delivery Site(s): Maryville campus  
Northwest - Kansas City

CIP Classification: 51.0001 (Please provide a CIP code)

Implementation Date: Fall 2016

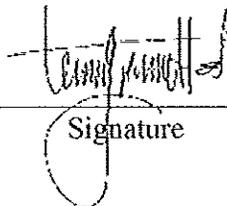
Cooperative Partners: \_\_\_\_\_

Expected Date of First Graduation: Spring 2018

**AUTHORIZATION**

Timothy Mottet, Provost

Name/Title of Institutional Officer



Signature

November 30, 2015

Date

Gregory Haddock, Vice Provost

Person to Contact for More Information

(660) 562-1145

Telephone

1. Form OS - Off-Site Delivery of an Existing Program

**OFF-SITE DELIVERY OF AN EXISTING PROGRAM FORM**

Sponsoring Institution (s): Northwest Missouri State University

Program Title: Applied Health Science

Aging Studies emphasis

Exercise Science emphasis

Degree/Certificate: Bachelor of Science

Institution Granting Degree: Northwest Missouri State University

Delivery Site(s): Northwest - Kansas City

Mode of Program Delivery: face-to-face completion program

Geographic Location of Student Access: Northwest Missouri State University-Kansas City

6889 North Oak Trafficway

Gladstone, MO 64118

CIP Classification: 51.0001 (Please provide a CIP code)

Implementation Date: Fall 2017  
(Semester and Year)

Cooperative Partners: anticipated articulation agreement with Metropolitan Community College

**AUTHORIZATION**

Timothy Mottet, Provost  
Name/Title of Institutional Officer



Signature

November 30, 2015  
Date

Gregory Haddock, Vice Provost  
Person to Contact for More Information

(660) 562-1145  
Telephone

2. Need (Form SE - Student Enrollment Projections)

Student Demand:

i. Estimated enrollment each year for the first five years for full-time and part-time students (Please complete Form SE.)

<i>Year</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
<i>Full-time</i>	<u>20</u>	<u>20</u>	<u>40</u>	<u>60</u>	<u>60</u>
<i>Part-time</i>	_____	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>
<i>Total</i>	<u>20</u>	<u>40</u>	<u>60</u>	<u>80</u>	<u>80</u>

ii. Will enrollment be capped in the future?

There are no plans to cap the program. However, the part-time counts listed above represent the expectation of students in the completion program at the Kansas City Center.

What method(s) or data were used to project student enrollment for this proposed program?

The ACT National student database indicates that of the 2015 high school graduates in the 4-state region, 20,118 students selected a major relating to Health Sciences. This volume represents 22% of 92,035 test takers in the 4-state region. The National Research Center for College & University Admissions indicates that of the 2015 high school graduates in the 4-state region, 27,143 or 30% of the 90,444 students have selected a major in the Health Sciences field.

<u>ACT Headcount</u>	<u>NRCCUA Headcount</u>
<u>20,118</u>	<u>27,143</u>

When surveying the recruiters about the level of interest from high school students in the field of Health Sciences, they responded by saying all majors in the Health Sciences field are popular among students. It is one of the most popular fields of interest among high school students today, ahead of education and business, but second to sports related majors. There is a large segment of students who don't know exactly what major they want to pursue, but they know they want to work in the health care industry. This new major will provide an avenue for students who decide that a professional school is in not in their future and they are looking for an alternative path to contribute and work in the field of health. The name "Health Sciences" is one of the Career Clusters that High School Guidance Counselors discuss with their students. As a result, the title of this major will be familiar to students.

2. Need (Form SE - Student Enrollment Projections)

A. Market Demand:

. National, state, regional, or local assessment of labor need for citizens with these skills

There is significant literature to suggest and support the marketability of candidates possessing knowledge, skill sets, and experience in the areas of exercise science and aging studies. The dramatic aging of populations worldwide demands critical assessment of services, support systems, and products. Populations remaining healthy and active well beyond historical statistics will increasingly need support in remaining and regaining strength, health, and wellness.

Interns and graduates of the proposed program could work with all ages including seniors, athletes, adult, teens, or children. Employment sites include wellness clinics, performance enhancement centers, hospital rehabilitation clinics, community recreation centers, and retirement communities. Employers currently seeking assistance in these areas include Booz Allen Hamilton (Fortune 500), Nifty After Fifty, LLC., Assurant, Rehabcare, CLO., and Liberty Hospital. The proposed curricular program will provide a strong academic and experiential foundation for those interested in pursuing a variety of professional and graduate programs such as medicine, chiropractic, or physical therapy. The program will also provide a great foundation for graduate study in biomechanics, exercise physiology or sport psychology.

Bureau of Labor Statistics projects that the demand for exercise physiologists will grow faster than average. Bureau of Labor Statistics projects that the demand for careers working with older adults is strong and growing. AGHE lists over 100 career opportunities related to aging studies. ([http://businessandaging.blogs.com/ecg/101\\_careers\\_in\\_aging/index.html](http://businessandaging.blogs.com/ecg/101_careers_in_aging/index.html))

B. Societal Need:

i. General needs which are not directly related to employment

There are currently over 40 million americans aged 65 or older. By 2030, this age group will comprise 20 percent of the population.

C. Methodology used to determine "B" and "C" above.

ACT EIS data

National Research Center for College & University Admissions

Bureau of Labor Statistics

3. Duplication and Collaboration: (Form CL – Collaborative Programs)

If similar programs currently exist in Missouri, what makes the proposed program necessary and/or distinct from the others at public institutions, area vocational technical schools, and private career schools?

Missouri State has an undergraduate gerontology program (housed in psychology) and a bachelors degree in Health Services (CIP 51.0000).

University of Central Missouri has a bachelors degree in Health Studies (CIP 51.0000) with emphasis areas in Community Health, Pre-Physical & Occupational Therapy, and Social Science. We feel the Aging Studies and Exercise Science options are differentiated from these programs.

The University of Missouri-Columbia has a Bachelor of Health Sciences (CIP 51.0000) with emphasis areas in Health & Wellness, Leadership & Policy, Pre-Professional, and Rehabilitation Sciences.

The University of Missouri-Kansas City also has a Bachelor of Health Sciences (CIP 51.0000). To offset concerns of duplication in the KC Northland region we will form a completion articulation with the Metropolitan Community College to create a viable route for students completing their associates degrees in health related areas. This will strengthen the path for many students in the Kansas City Northland area that are participating in the Kansas City CAPS program from seven areas school districts. As members of the Northland CAPS Innovation Campus, Northwest Missouri State University and Metropolitan Community College are uniquely positioned to shorten the time to completion while assisting students unable to travel to other campuses to complete bachelors degrees. (<https://governor.mo.gov/news/archive/northland-caps-innovation-campus-will-help-kansas-city-students-earn-college-credit>)

Does delivery of the program involve a collaborative effort with any external institution or organization?

Yes (If yes, please complete Form CL.)

*Form CL – Collaborative Programs*

**Sponsoring Institutions:** Northwest Missouri State University  
Metropolitan Community College, BS completion  
(anticipated)

**Degree program:** B.S. Applied Health Science

**Length of agreement:** open-ended

1. Which institution(s) will have degree-granting authority?

Metropolitan Community College (MCC) will have authority for the granting of an A.A.

3. Duplication and Collaboration: (Form CL – Collaborative Programs)

degree. Northwest Missouri State University will have degree-granting authority for the B.S. in Applied Health Science.

2. Which institution(s) will have the authority for faculty hiring, course assignment, evaluation, and reappointment decisions?

Northwest Missouri State University will make hiring decisions related to courses in the bachelors curriculum. MCC will have hiring authority for all faculty teaching courses in the General Education/Studies curriculum as identified in a forthcoming Articulation Guide.

3. What agreements exist to ensure that faculty from all participating institutions will be involved in decisions about the curriculum, admissions standards, exit requirements?

Northwest already has several transfer agreements with MCC and will ensure the creation of such an agreement that allows for the transfer of students into this program. Preliminary discussions have already occurred and a formalized articulation agreement for a baccalaureate completion program in Applied Health Science will be formed in anticipation of the Fall 2017 start date.

4. Which institution(s) will be responsible for academic and student-support services, e.g., registration, advising, library, academic assistance, financial aid, etc.?

MCC will be responsible for all student-support services as students pursue their A.A. degree. Once the students have been accepted into the B.S. Applied Health Science program; faculty from the Northwest School of Health Science and Wellness will be responsible for advisement and registration. Such students that are eligible for scholarships through Northwest will work with our financial assistance office. Library, textbook, and computer services (laptop) will be offered.

5. What agreements exist to ensure that the academic calendars of the participating institutions have been aligned as needed?

We do not anticipate this to be a problem. In the past students work on the academic calendar of MCC when pursuing their associates degrees and then the calendar of Northwest when transferring to our completion program.

6. In addition to the information provided by each participating institution regarding Financial Projections (Form FP), please address the following items:

- A. How will tuition rates be determined if they differ among the institutions?

All courses taken through MCC will be paid at the tuition and fee rates established by MCC. Once admitted to the B.S. Recreation program, courses taken through Northwest will be paid at the tuition and fee rates established by the Northwest Missouri State University Board of Regents.

- B. Has a formal agreement been developed regarding cost-sharing policies? If yes, please include it as part of the proposal. If no, please summarize the current

3. Duplication and Collaboration: (Form CL – Collaborative Programs)

understanding between all parties and the plans for developing a formal agreement.

No formal agreement exists regarding cost-sharing.

- C. What arrangements, if any, have been made for exchange of money between participating institutions?

There will be no exchange of money between institutions.

7. What commitments have been made by all participants to evaluate the program systematically?

Individual courses and instructors will be evaluated each term. The Applied Health Science degree will be reviewed on a regular five-year basis and it will include the programming in this completion program.

8. If one institution wishes to discontinue the program, what agreements exist for terminating the offering?

The review will serve as the primary factor for determination of agreement continuation. We can complete students without a formalized articulation agreement should that end up severing or dissolving, but it is in the students best interests for such an agreement to remain in place and be modified when needed.

3. Program Structure: (Form PS - Program Structure)

**PROGRAM STRUCTURE**

A. Total credits required for graduation: 124

B. Residency requirements, if any: \_\_\_\_\_

C. General education: Total credits: 42

Courses (specific courses OR distribution area and credits):

Recommended General Education Courses: It is recommended that students majoring in Applied Health Science take the following general education courses to fulfill general education requirements.

- \_\_\_\_\_ • 04-102 General Biology (life Sciences)
- \_\_\_\_\_ • 04-103 General Biology Lab
- \_\_\_\_\_ • 24-112 General Chemistry (Physical Sciences)
- \_\_\_\_\_ • 24-113 General Chemistry Lab
- \_\_\_\_\_ • 39-276 Biomedical Ethics (Humanities/Philosophy)

D. Major requirements: Total credits: 68-69

Core Requirements 41 or 42 cr

HPER 22114 Wellness 3

HPER 22254 Anatomy/Physiology 3

\_\_\_\_\_ OR

\_\_\_\_\_ BIOL04236 Anatomy Allied Health 4

HPER 22332 Exercise Physiology 3

HPER 22336 Basic Biomechanics 3

BIOL04104 Medical Terminology 3

HPER 22233 First Aid/CPR 3

HPER 47234 Nutrition and Diet Behavior 2

PSYC 08212 Personal Adjustment 3

HPER 22550 Community Health 3

HPER 22552 Health Promotion 3

HPER 22 Health Behavior Change 3

HPER 22534 Evidence based Practice in Health Science and Wellness 2

HPER 22447 Senior Seminar in Health and Wellness 1

HPER 22470 Internship in Applied Health Science

### 3. Program Structure: (Form PS - Program Structure)

#### Emphasis 1: Aging Studies, Required Courses

REC 45216	Introduction to Gerontology	3
REC 45315	Social Aspects of Aging and Families	3
REC 45469	Practicum in Aging	3
PSYC 08383	Psychology of Aging	3
REC 45365	Leisure and Aging	3
HPER 22556	Health in the Later Years	3
<u>Total Required Emphasis Hours</u>		<u>18</u>

#### Aging Studies Electives-Choose 9 hours from below

REC 45461	TR Intervention/Elderly	3
PSYC 08344	Drugs, Brain, & Behavior	3
COM 29325	Listening Behavior and Skills	3
COM 29336	Nonverbal Communication	3
REC 45547	Grantsmanship	3
COM 29225	Intercultural Communication (cannot use for IR)	3
HPER 22220	Lifetime Activities and Dance	
<u>Total Specified Electives</u>		<u>9</u>

#### Emphasis 2: Exercise Science, Required Courses

HPER 22529	Advanced Strength/Conditioning	3
HPER 22410	Adapted PE	3
HPER 22523	Motor Development	3
HPER 22532	Exercise Testing, Prescription, & Cardiac Function	3
HPER 22541	Human Pathophysiology	3
HPER 22335	Sport and Exercise Nutrition Topics	3
<u>Total Required Emphasis Hours</u>		<u>18</u>

#### Exercise Science Electives-Choose 9 hours from below

HPER 22556	Health in Later Years	3
HPER 22515	Issues in Sport	3
HPER 22536	Mechanical Analysis of Sport Skill	3
HPER 22272	Intro to Safety Education	3
PSYC 08325	Sport Psychology	3
HPER 22382	Care/Prevention of Athletic Injury	3
HPER 22512	Soc/Psych of Human Performance	3
<u>Total Specified Electives</u>		<u>9</u>

3. Program Structure: (Form PS - Program Structure)

E. Free elective credits: 13-14 cr. (Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience:

An internship is required to complete the degree. Senior Seminar in Health and Wellness (HPER 22447 ) is required.

G. Any unique features such as interdepartmental cooperation:

Psychology and Biology courses are in the required core requiring cooperation in course availability.

5. Program Characteristics and Performance Goals: (Form PG).

**PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS**

Institution Name: Northwest Missouri State University

Program Name: B.S. in Applied Health Science

Date: November 30, 2015

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

**Student Preparation**

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.

This program will have an Advanced Standing requirement. A student may apply for advanced standing after completing 40 semester hours. The 40 semester hours must be completed with a grade point average of 2.75. The student must also complete the following courses with a grade of "B" or better: 22-254 Anatomy and Physiology OR 04-236 Anatomy Allied Health, 22-332 Physiology of Exercise, 22-336 Basic Biomechanics.

To be in good standing (advanced standing), students must maintain a minimum GPA of 2.75 or higher within all major courses (Applied Health Science core and emphasis area) and must have a grade of "C" or better in all Applied Health Science (core) courses. Students must petition the School Director to gain permission to retake any Applied Health Science core class a third time.

- Characteristics of a specific population to be served, if applicable.

This program fills an expanding niche in the Preventative Health care profession that has come about as preventative strategies have become more popular among healthcare providers, funders, and the general public. Innovative programs such as Mosaic Healthcare's Wellness Connections program (St. Joseph, MO), Saint Luke's Health System's "Lifewise" corporate wellness program and cardiac rehabilitation program (Kansas City), Liberty Hospital's recently opened Sports Medicine Clinic (Liberty, MO), Immanuel Senior Communities' recreation and wellness programs in Omaha, NE are examples of agencies who have embraced the health and wellness movement and who would serve as both internship sites and potential employers for applied health science majors. Private corporations such as Corporate Fitness Works, C-Biz, and Aramark; non-profit agencies such as YMCA's and YWCA's; and municipal organizations with fitness and wellness centers or senior centers all have specialized needs that would be addressed by this degree. In addition, we believe that the degree can also serve as a feeder for graduate level health-related degrees such as Athletic Training, Occupational Therapy, Applied Health and Sport Sciences, Recreation, and Sport and Exercise Psychology. Furthermore, the two designated emphasis areas align well with both market

## 5. Program Characteristics and Performance Goals: (Form PG).

demand (aging services/gerontology and fitness/exercise sciences) and student interest. These professional areas are peripherally served by our currently offered degrees in the school of Health Science and Wellness, but the proposed degree would allow a more direct alignment with student interest and a higher and more focused level of training in key competency areas.

### Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.

Some specialized training or education for certain courses in the program is expected of faculty. Current faculty members meet these education/training requirements.

- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.

It is anticipated that 100% of the coursework on campus will be taught by full-time faculty and 20% of the coursework at Northwest - Kansas City will be taught by full-time faculty.

- Expectations for professional activities, special student contact, teaching/learning innovation.

The requirement of 100% participation in internship requires faculty oversight of those placements in each semester (fall, spring, summer) to accomplish successful completion of the students in this program.

### Enrollment Projections

- Student FTE majoring in program by the end of five years.

70 FTE majors at the end of 5 years.

- Percent of full time and part time enrollment by the end of five years.

25% will be part-time, 75% will be full time.

### Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.

20 students per year at three years, and 30 graduates per year at five years.

- Special skills specific to the program.

The niche this program fills is in the allied health and preventative health and wellness job field.

- Proportion of students who will achieve licensing, certification, or registration.

It is estimated that 25% of program completers will seek certification.

- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education

## 5. Program Characteristics and Performance Goals: (Form PG).

and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.

Expectation is that 50% or more of the students will score at or above the 50<sup>th</sup> percentile on the nationally normed General Education Assessment exam.

- Placement rates in related fields, in other fields, unemployed.

Placement rate should meet or exceed the current Health and Human Services placement rate of 89.9%.

- Transfer rates, continuous study.

Transfer-in is expected for the completion program at Northwest - Kansas City. We do not expect transfer-out.

## 6. Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide reasons.

The program is aligned to accreditation and certification standards. Near term plans are to explore accreditation options and further investigate requirements.

## Alumni and Employer Survey

- Expected satisfaction rates for alumni, including timing and method of surveys

Expectation is that satisfaction rates will match current programs in the former department of Health and Human Services.

- Expected satisfaction rates for employers, including timing and method of surveys

Satisfaction rate of employers will be monitored through the program review process and professional advisory boards. Surveying will be done if needed should gaps in data arise.

## 7. Institutional Characteristics: Please describe succinctly why your institution is particularly well equipped or well suited to support the proposed program.

The program will utilize the new Human Performance Lab located in the Foster Fitness Center for majors to get hands on experience in exercise and fitness assessment and prescription. Moreover, the institution has strong working relationships with local aging agencies for students seeking profession-based experiences in aging studies. The institution has qualified faculty within its School of Health Science and Wellness to support both emphasis areas and the program overall.

## 8. Any Other Relevant Information:

Appendix A - General Education Articulation Guide with MCC

Appendix B - proposed Catalog Copy

Appendix A – General Education Articulation Guide with MCC

**NORTHWEST MISSOURI STATE UNIVERSITY**      **METROPOLITAN COMMUNITY COLLEGES, KC**

General Education Requirements Articulation Guide

Last Update 4/20/2009

2008-2010 Undergraduate Catalog	2008-2009 Catalog
<p><b>Communication:</b> (9 hours) All required                      10-111 English Composition      10-112 English Composition                      29-102 Fundamentals of Oral Communication</p>	<p><b>Communication:</b>                      ENGL 101 Comp. &amp; Reading I      ENGL 102 Comp. &amp; Reading II                      SPDR 100 Fundamentals of Speech I or                      SPDR 102 Fund. Of Human Communication</p>
<p><b>Mathematics:</b> (3 hours) Advisement required for appropriate choice                      17-110 Finite Math      17-114 General Statistics                      17-115 Concepts of Math      17-117 Precalculus                      17-118 College Algebra      17-120 Calculus I                      17-171 Fundamentals of Math</p>	<p><b>Mathematics:</b> Advisement required for appropriate choice                      MATH 115 Statistics      MATH 119 College Mathematics                      MATH 120 College Algebra      MATH 150 PreCalculus                      MATH 175 Calc. for Bus &amp; Soc Sci.      MATH 180 Anal. Geom. &amp; Calc I</p>
<p><b>Political Science:</b> (3 hours) 34-102 Intro to American Government</p>	<p><b>Political Science:</b> Choose one                      POLS 135 Intro to Political Science      POLS 136 Intro to Amer Nat'l Politics</p>
<p><b>History:</b> (3 hours) 33-155 America – A Historical Survey</p>	<p><b>History:</b> Choose one                      HIST 120 US History to 1865      HIST 121 US History since 1865</p>
<p><b>Life &amp; Physical Science:</b> (8 hours) One course &amp; lab from each area</p> <p><b>Life Science</b>                      04-102/103 General Biology/Lab      04-114/115 Gen. Zoology/Lab                      04-112/113 General Botany/Lab      03-130 Plant Science</p> <p><b>Physical Science</b>                      24-112/113 General Chemistry/Lab      24-114/115 Chemistry I/Lab                      27-110/111 Geology/Lab      27-114/115 Earth Science/Lab                      25-110/111 Physics I/Lab      25-112/113 Physics II/Lab                      25-120/121 Classical Physics I/Lab      40-102/103 Phys Science/Lab                      40-122/123 Astronomy/Lab</p>	<p><b>Life &amp; Physical Science:</b> Choose one from each category</p> <p><b>Life Science:</b>                      BIOL 101 General Biology      BIOL 104 General Botany                      BIOL 106 General Zoology      BIOL 108 Intro Anal. &amp; Phys.                      BIOL 109 Anatomy &amp; Physiology      BIOL 110 Human Anatomy                      BIOL 102 Environmental Science      BIOL 118 Intro to Biology</p> <p><b>Physical Science:</b>                      CHEM 101 Survey of Chemistry      CHEM 105 Intro Chem for Health Sci                      PHYS 104 Found. Of Phys. Science      PHYS 106 General Astronomy                      PHYS 130 General Physics I      GEOL 101 Physical Geology                      (Also: CHEM 107, 111; PHYS 101, 112, 220)</p>
<p><b>Humanities &amp; Fine Arts:</b> (9 hours) One course from each area</p> <p><b>Literature</b> 10-220 Intro to Literature</p> <p><b>Humanities/Philosophy</b>                      26-102 Western Civilization I      26-103 Western Civilization II                      26-104 Humanities, Eastern World      39-171 Intro to Philosophy                      39-274 Intro to Ethics      29-235 Classical Rhetoric                      34-105 The African World</p>	<p><b>Humanities &amp; Fine Arts:</b> Choose one from each category</p> <p><b>Literature</b> ENGL 124 Introduction to Literature                      (Also: ENGL 120, 121, 122, 127, 128, 130, 140, 141, 142, 150, 151, 152, 155, 165, 167, 220, 221, 222, 223, 267)</p> <p><b>Humanities/Philosophy</b>                      HIST 133 Found. Of Western Civ.      HIST 134 Modern Western Civ.                      HUMN 133 Found. Of Western Civ.      HUMN 134 Modern Western Civ.                      PHIL 100 Introduction to Philosophy      PHIL 200 Logic                      PHIL 203 Ethics                      (Also: HIST 140; HUMN 140, 141, 145, 165; PHIL 101, 102, 201, 204)</p>
<p><b>Fine Arts</b>                      13-102 Art Appreciation      13-110 Survey of Art                      19-201 Enjoyment of Music      22-262 History of Dance                      43-101 Theatre Appreciation      19-202 Jazz Appreciation</p>	<p><b>Fine Arts</b>                      ART 108 Survey of Art      MUSI 108 Music Appreciation                      MUSI 160 Music of World's Cul.      SPDR 106 Theatre Appreciation                      (Also: ART 150, 151, 159, 205; MUSI 116; SPDR 114, 128)</p>
<p><b>Social &amp; Behavioral Science:</b> (6 hours) One course from each area</p> <p><b>Social Sciences:</b>                      52-130 Survey of Economics      52-150 General Economics I                      32-101 Intro to Geography      35-101 General Sociology                      35-108 General Anthropology      03-102 Agricultural Econ.</p> <p><b>Behavioral Sciences:</b>                      08-103 General Psychology      08-303 Educational Psych. **                      **Educational Psychology required for Education majors</p>	<p><b>Social &amp; Behavioral Science:</b> Choose one from each category</p> <p><b>Social Sciences:</b>                      ANTH 100 Gen. Anthropology      ANTH 110 Cultural Anthropology                      ECON 110 Intro to Economics      ECON 210 Macroeconomics                      GEOG 104 Prin. of Phys. Geog.      GEOG 105 World Geography                      SOCI 160 Sociology      GEOG 113 Cultur/Hum Geography                      (Also: GEOG 111, 112, 114; POLS 137; SOCI 170; SOSC 171)</p>
<p><b>Notes:</b> Individual majors may require more specific directed general education courses. Refer to the Northwest Missouri State University Undergraduate catalog for details. Students seeking a Bachelor of Arts Degree must complete 9 credit hours of a single foreign language. All transcripts will be evaluated individually. Call the Office of Admissions at 1-800-633-1175 with questions.</p>	<p><b>Behavioral Sciences:</b>                      PSYC 140 General Psychology      EDUC 270 Educational Psychology*                      *Educational Psychology required for Education majors</p>

Appendix A – General Education Articulation Guide with MCC

**NORTHWEST MISSOURI STATE UNIVERSITY**

**METROPOLITAN COMMUNITY COLLEGES, KC**

**Institutional Requirements**

**Information Technology Competency** (3 hours)

- 44-130 Computers and Information Technology
- 62-130 Educational Computing and Technology
- 61-145 Information and Educational Technology
- 27-130 Information Technology and Science
- 26-105 Information Technology and Culture
- 40-106 Computational Methods in Science

**Multicultural Diversity** (3 hours)

- 29-225 Intercultural Communication
- 61-252 Pluralism in a Multicultural Society
- 10-224 Multiethnic Literature of the U.S.
- 10-226 Modern and Contemporary World Literature
- 32-102 People and Cultures of the World
- 26-162 Comparative Religions
- 14-131 French: Communication and Culture I
- 14-132 French Communication and Culture II
- 14-141 Spanish: Communication and Culture I
- 14-142 Spanish: Communication and Culture II
- 14-151 Intro to Conversational American Sign Language and Deaf Culture
- 20-221 Ethnographic Film Study
- 19-280 World Music
- 45-211 Leisure and Society

Any course taken to fulfill the Institutional Requirements cannot also fulfill the General Educational Requirements or Major/Minor requirements, unless specifically permitted

**Information Technology Competency**

- CSIS 110 Technology and Information Management
- CSIS 115 Introduction to Microcomputer Applications
- EDUC 280 \*

**Multicultural Diversity**

- ANTH 110 Cultural Anthropology
- BIOL 238 International Human Ecology
- ENGL 152 U.S. Latino and Latina Literature
- ENGL 155 African-American Literature
- ENGL 267 North American Indian Literature
- ENGL 142 Women's Literature
- ARAB 101 Elementary Modern
- FREN 101 Elementary French
- FREN 102 Elementary French I
- GERM 101 Elementary German
- GERM 102 German II
- SPAN 101 Elementary Spanish
- SPAN 102 Elementary Spanish
- SPAN 107 Spanish Composition and Culture
- SPAN 111 Accelerated Elementary Spanish
- GEOG 113 Cultural/Human Geography
- HIST 130 Women in American History
- HIST 140 African American History
- HIST 160 Native American History
- HUMN 141 Latin American Humanities
- HUMN 145 Comparative Humanities: Myth
- HUMN 165 American Humanities: Diversity
- MUSI 116 Evolution of Jazz
- MUSI 160 Music of the World
- PHIL 102 World Philosophy
- PSYC 143 Psychology of the African American
- SOSC 171 Comparative Ethnic and Cultural Studies
- SOCI 164 Sociology of the African-American Family
- SOCI 210 Native Americans in Contemporary Society
- SPDR 1\*\*

Appendix B – proposed Catalog Copy

Catalog (Current)	Catalog (Proposed)																																								
	<p><b>New Program Description</b></p> <p><b>Mission:</b> The mission of the Applied Health Science Program is to prepare future Health Science professionals for exemplary careers in a variety of health related professions. Graduates from the program will possess the knowledge and skills necessary to confront the health related challenges of tomorrow and the ability serve a diverse clientele as a facilitator of healthy lifestyle across the lifespan.</p> <p><b>Recommended General Education Courses:</b> it is recommended that students majoring in Applied Health Science take the following general education courses to fulfill general education requirements.</p> <ul style="list-style-type: none"> <li>• 04-102 General Biology (Life Sciences)</li> <li>• 04-103 General Biology Lab</li> <li>• 24-112 General Chemistry (Physical Sciences)</li> <li>• 24-113 General Chemistry Lab</li> <li>• 39-276 Biomedical Ethics (Humanities/Philosophy)</li> </ul> <p><b>Institutional Requirement for Diversity:</b> Students majoring in Applied Health Science with an emphasis in Aging Studies may not apply 29-225 Intercultural Communication to both the institutional requirement for Diversity and the specified electives requirement under the Aging Studies emphasis area.</p> <p><b>Advanced Standing Requirements:</b> A student may apply for advanced standing after completing 40 semester hours. The 40 semester hours must be completed with a grade point average of 2.75. The student must also complete the following courses with a grade of "B" or better: 22-254 Anatomy and Physiology OR 04-236 Anatomy Allied Health, 22-332 Physiology of Exercise, 22-336 Basic Biomechanics.</p> <p>To be in good standing (advanced standing), students must maintain a minimum GPA of 2.75 or higher within all major courses (Applied Health Science core and emphasis area) and must have a grade of "C" or better in all Applied Health Science (core) courses. Students must petition the School Director to gain permission to retake any Applied Health Science core class a third time.</p> <p><b>Major Requirements:</b></p> <p><b>Applied Health and Sport Science Major – No Minor Required – 68-69 hours</b></p> <table border="1" data-bbox="597 1388 1385 1785"> <thead> <tr> <th colspan="4" style="text-align: center;">Core Requirements</th> </tr> <tr> <th>Number</th> <th>Course</th> <th>Hours</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>HPER 22114</td> <td>Wellness</td> <td>3</td> <td></td> </tr> <tr> <td>HPER 22254</td> <td>Anatomy/Physiology</td> <td>3</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;">OR</td> </tr> <tr> <td>BIOL 04236</td> <td>Anatomy Allied Health</td> <td>4</td> <td></td> </tr> <tr> <td>HPER 22332</td> <td>Exercise Physiology</td> <td>3</td> <td></td> </tr> <tr> <td>HPER 22336</td> <td>Basic Biomechanics</td> <td>3</td> <td></td> </tr> <tr> <td>BIOL 04104</td> <td>Medical Terminology</td> <td>3</td> <td></td> </tr> <tr> <td>HPER 22233</td> <td>First Aid/CPR</td> <td>3</td> <td></td> </tr> </tbody> </table>	Core Requirements				Number	Course	Hours	Total	HPER 22114	Wellness	3		HPER 22254	Anatomy/Physiology	3		OR				BIOL 04236	Anatomy Allied Health	4		HPER 22332	Exercise Physiology	3		HPER 22336	Basic Biomechanics	3		BIOL 04104	Medical Terminology	3		HPER 22233	First Aid/CPR	3	
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HPER 47234	Nutrition and Diet Behavior	2	
PSYC 08212	Personal Adjustment	3	
HPER 22550	Community Health	3	
HPER 22552	Health Promotion	3	
HPER 22555	Health Behavior Change	3	
HPER 22534	Evidence Based Practice in Health Science and Wellness	2	
HPER 22447	Senior Seminar in Health Science & Wellness	1	
HPER 22470	Internship in Applied Health Science	6	
	Total Core Requirements		41 or 42
<b>Emphasis 1: Aging Studies, Required Courses</b>			
REC 45216	Introduction to Gerontology	3	
REC 45315	Social Aspects of Aging and Families	3	
REC 45469	Practicum in Aging	3	
PSYC 08383	Psychology of Aging	3	
REC 45365	Leisure and Aging	3	
HPER 22556	Health in the Later Years	3	
	Total Required Emphasis Hours		18
<b>Aging Studies Electives - Choose 9 hours from below</b>			
REC 45461	TR Intervention/Elderly	3	
PSYC 08344	Drugs, Brain, & Behavior	3	
COM 29325	Listening Behavior and Skills	3	
COM 29336	Nonverbal Communication	3	
REC 45547	Grantsmanship	3	
COM 29225	Intercultural Communication (cannot use for IR)	3	
HPER 22220	Lifetime Activities and Dance	3	
	Total Specified Electives		9
<b>Emphasis 2: Exercise Science, Required Courses</b>			
HPER 22529	Advanced Strength/Conditioning	3	
HPER 22410	Adapted PE	3	
HPER 22523	Motor Development	3	
HPER 22532	Exercise Testing, Prescription, & Cardiac Function	3	
HPER 22541	Human Pathophysiology	3	
HPER 22335	Sport and Exercise Nutrition Topics	3	
	Total Required Emphasis Hours		18

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Exercise Science Electives - Choose 9 hours from below			
HPER 22556	Health in Later Years	3	
HPER 22515	Issues in Sport	3	
HPER 22536	Mechanical Analysis of Sport Skill	3	
HPER 22272	Intro to Safety Education	3	
PSYC 08325	Sport Psychology	3	
HPER 22382	Care/Prevention of Athletic Injury	3	
HPER 22512	Soc/Psych of Human Performance	3	
	<b>Total Specified Electives</b>		<b>9</b>
Minor Requirements - None			
Total hours 124			