



University Bulletin

Undergraduate Degree Programs

Health and Human Development

Improving human lives through innovative research, teaching and service activities is and always has been the defining goal of the COLLEGE OF HEALTH AND HUMAN DEVELOPMENT. Created in 1987 through the combination of strong programs offered by other Penn State colleges, the College of Health and Human Development was the first in the country to take a combined approach to the health, development, and well being of individuals and families. The college seeks to improve the quality of human life through all three of its missions: conducting research, providing education for students who are planning professional careers in the field, and offering outreach programs for health-services professionals as well as the general public.

The field of health and human development encompasses a wide range of professions. Programs in the college help students prepare for careers in health care, nursing, nutrition and dietetics, athletic training, rehabilitation and therapy, sports medicine, child care, human services, gerontology, speech pathology and audiology, health promotion, fitness and sports, health-care management, hospitality, tourism, recreation and parks, education, research and several others. Many students go on to medical or dental school or other graduate study.

The college has two schools and six departments offering programs consistently ranked among the top of their kind in the nation; ten highly successful interdisciplinary research centers addressing major societal problems and influencing policies geared toward tackling those problems; twenty-nine laboratories conducting leading edge research providing undergraduate and graduate students world class faculty and facilities to enhance their academic and professional interests; and nine units providing various clinical and other services which have an immediate impact on those they serve. These units span a variety of disciplines with one common goal: improving the health and well being of our society.

The faculty represents some of the most respected leaders in their disciplines, including Fellows, presidents and board/committee members of numerous national academies and organizations. Penn State regularly recognizes the college's faculty for excellence in teaching, advising, research, and actively engaging students. The accomplishments of the faculty speak volumes about the stimulating intellectual environment that the college has been able to create and sustain since its inception.

RESEARCH--Research in the college focuses on significant areas of human development and human health. Faculty conduct both basic and applied studies and receive funding from the University, state and federal agencies, and other public and private sponsors. Faculty members are especially well known for their research in child development, aging, family relationships, leisure behavior, human physical performance, nutrition, and the genetics of behavior. In addition to the research programs based in each of the academic departments, there are strong interdepartmental and interdisciplinary research programs within the college. The college cooperates with regional, national and international industries, and government agencies in identifying trends and advancing scientific inquiry. The college's research efforts have resulted in a nearly fivefold increase in external funding during the past decade.

OUTREACH AND CONTINUING EDUCATION -- As part of Pennsylvania's original land-grant university, the college has a strong commitment to extend the knowledge and expertise of the faculty to health-care professionals, school personnel, human service providers, community leaders, parents, and many others through a wide range of outreach activities including conferences, workshops, clinical services, continuing and distance education programs, youth camps, and service learning opportunities.

INTERNATIONAL PROGRAMS -- The college and its faculty have many mutually beneficial relationships with universities on all continents. The college works with International Programs to support students who are interested in incorporating study abroad or other international experiences into their academic plans.

UNDERGRADUATE EDUCATION

All of the majors have four common objectives: 1. Students should earn a broad education in the basic areas of human knowledge (i.e., natural sciences, social and behavioral sciences, and arts and humanities) and in the processes of human development. 2. A professional component should be included to help students prepare for health and human service careers or for advanced study. 3. Students should spend time applying their classroom knowledge to real-life situations. 4. Students should explore various areas of interest, and with the help of their advisers, plan a program of study that emphasizes the students' backgrounds, talents, and goals.

Field projects, clinical experiences in various settings, and special laboratory opportunities are an integral part of most majors. These may involve additional expenses, such as travel to community settings, which are paid by the student.

The college offers instruction at both the undergraduate and graduate levels. General requirements for advanced degrees are described in the [Graduate Degree Programs Bulletin \(http://www.psu.edu/bulletins/whitebook\)](http://www.psu.edu/bulletins/whitebook).

BASIC INSTRUCTION--An objective of the General Education program of the University is for all students to know how to achieve and maintain good health and to attain a degree of skill in recreational activities. In support of this objective, the Departments of Biobehavioral Health, Kinesiology, and Nutritional Sciences, and the School of Nursing offer courses about health and nutrition issues. The Department of Kinesiology offers courses that provide the opportunity for students to improve cardiovascular fitness, learn physical and recreational skills for lifetime use, and gain knowledge of exercise and sport. Instruction is offered in many activity areas, including dance, sport, aquatics, fitness, and adventure activities. Adapted physical education programs are individually arranged upon recommendation of University Health Services for those students with medical restrictions. Students whose personal or physical circumstances support the need for more individualized programs may petition for independent study or individual assignment. For more information, visit http://bulletins.psu.edu/bulletins/bluebook/general_education.cfm (http://bulletins.psu.edu/bulletins/bluebook/general_education.cfm).

GENERAL GRADUATION REQUIREMENTS

BACHELOR OF SCIENCE DEGREE

Students are typically admitted to the College of Health and Human Development and may request admission to a major in their fourth semester of enrollment. Two exceptions are Nursing and the Professional Golf Management program, which admit first-year students.

During the freshman and sophomore years, all students are expected to take basic courses appropriate to their intended major as well as selected General Education courses. Judicious choice of these courses helps the student select a major at the end of the sophomore year. Students, in consultation with an adviser and according to their background, interests, and career objectives, select specific courses to meet the requirements of the major and to promote their professional and personal development. Guidelines for selection are established by faculty in charge of each major and include courses both in the College of Health and Human Development and in other colleges.

Specific requirements for each option in a major are available through the college's Student Services Center. ROTC courses are voluntary and are counted as electives in meeting graduation requirements.

To be eligible for entrance to a major in the college, a degree candidate must be enrolled in, or satisfy requirements for entrance to, the college. In addition, the degree candidate must meet entrance-to-major requirements of the University, the college, and the department. Under certain circumstances, the University may need to limit enrollments in the college or in certain majors because of space limitations.

TEACHER PREPARATION PROGRAMS -- One of the college's degree programs, Kinesiology, offers an option in teacher certification. See [Teacher Education Programs \(general information.cfm?section=SpecialAP6\)](#) for general information and special requirements regarding teacher certification.

COLLEGE OF HEALTH AND HUMAN DEVELOPMENT

ANN C. CROUTER, *Dean*
FRED W. VONDRACEK, *Senior Associate Dean*
ANTHONY D'AUGELLI, *Associate Dean for Undergraduate Studies and Outreach*
NEIL SHARKEY, *Associate Dean for Research and Graduate Education*
PAULA MILONE-NUZZO, *Associate Dean for International Partnerships*

COLLEGE ORGANIZATION

School of Hospitality Management -- HUBERT B. VAN HOOFF, *Director*
School of Nursing -- PAULA MILONE-NUZZO, *Director*
Department of Biobehavioral Health -- COLLINS O. AIRHIHNBUNWA, *Head*

Department of Communication Sciences and Disorders -- GORDON W. BLOOD, *Head*
Department of Health Policy and Administration -- DENNIS G. SHEA, *Head*
Department of Human Development and Family Studies -- STEVEN H. ZARIT, *Head*
Department of Kinesiology -- PHILIP E. MARTIN, *Head*
Department of Nutritional Sciences -- MICHAEL H. GREEN, *Head*
Department of Recreation, Park, and Tourism Management -- JOHN DATTILO, *Head*

Baccalaureate Degrees

Biobehavioral Health

University Park, College of Health and Human Development (BB H)

PROFESSOR LYNN T. KOZLOWSKI, *Head of the Department*

This major provides interdisciplinary training designed to integrate biological, behavioral, and social science approaches to the study of human health and illness. Emphasis is placed on the study of physical health. The goal of this major is to help students gain working familiarity with multiple perspectives, approaches, and methods needed to address and solve problems of human health and illness. Students may select courses in the supporting courses category that will fulfill requirements for admission to graduate and professional programs. This major helps prepare graduates for entry-level jobs in a range of biomedical and health-related areas, including roles as research assistants, laboratory managers, biomedical product representatives, technical support positions in biomedical and health-related fields. This major also will provide excellent preparation for advanced study in natural and social science disciplines and related professional areas such as epidemiology, public health, environmental health and safety, and human services.

For the B.S. degree in Biobehavioral Health, a minimum of 120 credits is required.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits

(22 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:

(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:

(Included in GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:

(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 3 credits

REQUIREMENTS FOR THE MAJOR: 94 credits

(This includes 22 credits of General Education courses: 4 credits of GQ courses; 9 credits of GN courses; 6 credits of GS courses; 3 credits of GHA courses.)

PRESCRIBED COURSES (38 credits)

BIOL 110 GN(4), CHEM 110 GN([1](#mnote01)) (Sem: 1-2)

BB H 101 GHA(3[1](#mnote01)), BIOL 141 GN(3[1](#mnote01)), NUTR 251 GHA(3), PSYCH 100 GS([1](#mnote01)), STAT 200 GQ(4[1](#mnote01))

(Sem: 1-4)

BB H 310(3[1](#mnote01)), BB H 311(3[1](#mnote01)), BB H 316(3[1](#mnote01)), BB H 411(3[1](#mnote01)), BB H 440 US;IL(3[1](#mnote01)) (Sem: 5-8)

ADDITIONAL COURSES (45 credits)

BIOL 033 GN(3) or BIOL 222(3) (Sem: 1-2)

Select 12 credits from: CHEM 112 GN(3), CHEM 111 GN(1), CHEM 113 GN(1) (Sem: 1-2)

CHEM 202(3), CHEM 203(3), CHEM 213(2), CHEM 2108(3), CHEM 212(3), MICRB 106 GN(3), MICRB 107 GN(1), PSY 203(3) (Sem: 3-4)

B M B 211(3), BIOL 055 GN(3), BIOL 129 GN(4), BIOL 142(1), BIOL 230W GN(4), BIOL 341 GN(3), BIOL 422(3), BIOL 409(3), BIOL 479(3), PHYS 250 GN(4), PHYS

GN(4), PSYCH 453(3), PSYCH 461(3), PSYCH 460(3), PSYCH 470(3), PSYCH 462(3), PSYCH 463(3) (Sem: 5-8)

Select 15 credits from: BB H 302 US(3[1](#mnote01)), BB H 315 US(3[1](#mnote01)), BB H 410(3[1](#mnote01)), BB H

416(3[1](#mnote01)), BB H 417(3), BB H 432([1](#mnote01)), BB H 446(3[1](#mnote01)), BB H 451(3[1](#mnote01)), BB H 452(3[1](#mnote01)), BB

H 458(3[1](#mnote01)), BB H 469(3[1](#mnote01)), BB H 470(3[1](#mnote01)) (Sem: 5-8)

Select 9 credits from: H P A 057 GHA(3), H P A 101(3), H P A 310(3), HD FS 311(3), HD FS 315 US(3), HD FS 418(3); HD FS 428(3) or HD FS 429(3); HD FS 433

HD FS 445(3); HD FS 468(3), NURS 401(3), NURS 452(3), NUTR 358(2), PSYCH 441(3) (Sem: 5-8)

Select 3 credits from: HD FS 129 GS(3), HD FS 229 GS(3), HD FS 239 GS(3), or HD FS 249 GS(3) (Sem: 5-8)

Select 3 credits from: BB H 301(3), PHIL 110 GH(3), PHIL 132 GH(3), PHIL 221 GH(3), PHIL 432(3), S T S 122 GH(3), S T S 123 GH(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (11 credits)

(Must include at least 6 credits at the 400 level)

Select 3 credits in health promotion from approved list, in consultation with adviser (Sem: 5-8)

Select 8 credits in University-wide offerings from approved list, in consultation with advisor (Students may apply 6 credits of ROTC.) (Sem: 5-8)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

Last Revised by the Department: Summer Session 2004

Blue Sheet Item #: 32-01-073

Review Date: 9/2/03

UCA Revision #1: 9/20/06

HH

Communication Sciences and Disorders

University Park, College of Health and Human Development (CSD)

PROFESSOR GORDON W. BLOOD, *Head of the Department*

This major offers a comprehensive program of study for preparing students who want to become speech-language pathologists or audiologists. The curriculum is specifically designed for the sole purpose of preparing undergraduate students for graduate study in communication sciences and disorders or related areas. This occurs because state licensure laws and professional certifications require that a speech-language pathologist or audiologist must have a master's degree, pass a national test, and complete a clinical fellowship year.

Overall, the curriculum enables students to develop fundamental knowledge based on scientific principles, skills, and attitudes required for habilitating and rehabilitating persons of all ages with a wide range of speech, language, and hearing problems. Further, the curriculum allows students an opportunity to explore all aspects of communication sciences and disorders as well as elect courses of special interest.

The first two years of study emphasize general education and background study. The last two years of study emphasize normal and disordered aspects of speech, language, and hearing as well as professional management, concerns, and obligations. Clinical observation and diversity focused course work are included in the curriculum.

For the B.S. degree in Communication Sciences and Disorders, a minimum of 120 credits is required. (To satisfy graduation requirements, students must have completed 6 credits from courses offered in the college and outside the department in which the major is offered.)

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(6-10 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES, GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 23-28 credits

REQUIREMENTS FOR THE MAJOR: 57-58 credits
(This includes 6-10 credits of General Education courses; 6 credits of GS courses; 0-4 credits of GQ courses.)

PRESCRIBED COURSES (45 credits)
CSD 146 US:IL(3[11(#mnote01)], CSD 230(3[11(#mnote01)], CSD 245(2[11(#mnote01)], CSD 269 US:IL(3[11(#mnote01)], PSYCH 100 GS(3) (Sem: 1-4)
CSD 300(3[11(#mnote01)], CSD 301(3[11(#mnote01)], CSD 311(3[11(#mnote01)], CSD 331(3[11(#mnote01)], CSD 395W(1[11(#mnote01)] (Sem: 3-6)
CSD 433(3[11(#mnote01)], CSD 442(3[11(#mnote01)], CSD 444(3[11(#mnote01)], CSD 451(3[11(#mnote01)], CSD 459W(3[11(#mnote01)], CSD 462
US:IL(3)[11(#mnote01)] (Sem: 5-8)

ADDITIONAL COURSES (12-13 credits)
EDPSY 014(3) or PSYCH 261 GS(3) (Sem: 1-4)
EDPSY 101 GQ(3), PSYCH 200(4), or STAT 200 GQ(4) (Sem: 3-4)
HD FS 129 GS(3) or PSYCH 212 GS(3) (Sem: 1-4)
HD FS 229 GS(3), HD FS 249 GS(3), HD FS 315 US(3), HD FS 411(3), HD FS 418(3), HD FS 432(3), PSYCH 470(3), or PSYCH 471(3) (Sem: 3-6)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

Last Revised by the Department: Summer Session 2005

Blue Sheet Item #: 33-05-021

Review Date: 03/01/05

UCA Revision #1: 8/20/06

HH

Health Policy and Administration

University Park, College of Health and Human Development (H P A)

PROFESSOR DENNIS G. SHEA, *Head of the Department*

This major helps prepare students for management and policy positions or graduate study in the field of health care. Students in the major develop the skills and knowledge needed to understand the complex societal problem of providing access to quality health care at reasonable cost. All Health Policy and Administration students complete an internship in a health-care-related setting, giving them valuable experience and contacts in the industry. HPA students study a multidisciplinary curriculum that prepares them to work in many health care organizations including: (1) health care providers (hospitals, physician practices, nursing facilities, home health agencies, etc.); (2) health insurers (nonprofit and commercial insurers, health maintenance organizations, etc.); (3) health care consultants; (4) health care supply companies (pharmaceutical companies, medical device manufacturers, etc.); (5) health services research and policy organizations (health policy research groups, industry trade groups, etc.); and (6) local, state, and federal health agencies (local health departments, state Department of Health, federal Department of Health and Human Services, etc.). HPA students have also used the degree to prepare for graduate study in business, law, medicine or allied health fields, health administration, health services research or policy, and public health.

The requirements for the major are outlined below. Students may select courses in the Supporting Courses and Related Areas category to fulfill requirements for a minor, to develop a specialization, or to complete courses required for admission to medical, dental, law, or other graduate schools.

For the B.S. degree in Health Policy and Administration, a minimum of 120 credits is required.

The integrated B.S. in health policy and administration/Master of Health Administration (MHA) program allows qualified undergraduate students to earn both degrees in five calendar years of full time academic study.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(12 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 0-2 credits

REQUIREMENTS FOR THE MAJOR: (85-87 credits)
(This includes 12 credits of General Education courses; 6 credits of GQ courses; 6 credits of GS courses.)

PRESCRIBED COURSES (31 credits)[11(#mnote01)]
ACCTG 211(4), ECON 002 GS(3), PL SC 001 GS(3), SOC 023 GS(3) (Sem: 1-4)
H P A 101(3), H P A 301W(3), H P A 310(3), H P A 332(3), H P A 390(3), H P A 395(3) (Sem: 3-6)

ADDITIONAL COURSES (18-20 credits)[11(#mnote01)]
STAT 200 GQ(4) or STAT 250 GQ(3) (Sem: 1-4)
FIN 100(3) or INS 301(3) (Sem: 1-6)
CMPSC 101 GQ(3) or CMPSC 203 GQ(4) (Sem: 3-4)
Select 9 credits from H P A 401(3), H P A 410(3), H P A 420(3), H P A 431(3), H P A 433(3), H P A 440 US:IL(3), H P A 442(3), H P A 445(3), H P A 447(3), H P A 450(3), H P A 455(3), H P A 460(3), H P A 470(3), or H P A 497 (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS(36 credits)
(Must include at least 9 credits at the 400 level)

Select 30 credits from University-wide offerings on department list in consultation with adviser (Sem: 5-8)
Select 6 credits in economics and/or political science on department list in consultation with adviser (Sem: 5-8)

Integrated B.S. in Health Policy and Administration/Master of Health Administration (M.H.A.) Admission and Degree Requirements

The following credentials will be considered for admission:

A demonstrated ability to communicate effectively, an advanced level of maturity, and high motivation to pursue a career in the health care field

Academic references

Successful completion of 60 credits having maintained a cumulative GPA of 3.4 or better

Students admitted to the B.S. in Health Policy Administration/MHA integrated program are able to earn both the B.S. and MHA in five calendar years of full time academic study. A minimum of 157 credits is required for completion of both degrees.

A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

Last Revised by the Department: Fall Semester 2002 (H P A); Summer Session 2005 (Integrated B.S./H P A-M.H.A.)

Blue Sheet Item #: 30-07-092 (H P A); 33-04-232 (Integrated B.S./H P A-M.H.A.)

Review Date: 1/18/05

HH

Hotel, Restaurant, and Institutional Management

University Park, College of Health and Human Development (HRIM)

PROFESSOR HUBERT B. VAN HOOFF *Head of the School*

This major helps provide preparation for management positions in hotels, restaurants, institutions, and other hospitality organizations. The program is designed to give the student a broad general education and a strong management and problem-solving orientation balanced with the requisite technical skills, all of them essential for career progression to upper-management positions in the hospitality professions. The program also helps prepare students for graduate study.

HOTEL, RESTAURANT, AND INSTITUTIONAL MANAGEMENT OPTION: This option helps prepare students for management positions in any segment of the hospitality industry, including hotels, restaurants, institutional or non-commercial operations, clubs, resorts, and casinos. The management focus helps provide students with the analytical, interpersonal, and organizational skills necessary to effectively function as hospitality professionals.

MANAGEMENT DIETETICS OPTION: This option helps prepare graduates for general management positions within the food services operated by or for medical organizations, health and life care facilities, college feeding, governmental agencies, and community feeding programs. The management dietitian is qualified to solve both nutrition and food service problems. Graduates may also choose to work in the management of commercial food service operations. Together with the necessary clinical experience, the option satisfies the eligibility requirements for membership in the American Dietetic Association.

For the B.S. degree in Hotel, Restaurant, and Institutional Management, a minimum of 120 credits is required. The B.S. degree program consists of two options: (1) Hotel, Restaurant, and Institutional Management and (2) Management Dietetics.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(10.5-22 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 0-7 credits

REQUIREMENTS FOR THE MAJOR: 78.5-97 credits **[1] (#mnote01)**
(For the HRIM option, this includes 10.5 credits of General Education courses: 6 credits of GQ courses; 3 credits of GS courses; 1.5 credit of GHA courses. For the Management Dietetics option, this includes 22 credits of General Education courses: 6 credits of GQ courses; 7 credits of GN courses; 6 credits of GS courses; 3 credits of GHA courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 56 credits

PRESCRIBED COURSES (53 credits)
CMPSC 203 GQ(4), MKTG 221(3), STAT 200 GQ(4) (Sem: 1-4)
HRIM 201(3), HRIM 202(1), HRIM 271(2), HRIM 329(3), HRIM 330(2), HRIM 335(3), HRIM 336(3), HRIM 350(3), HRIM 365 IL(3), HRIM 380(3), HRIM 430(3), HRIM 442(3), HRIM 466 US(3), HRIM 490W(3), HRIM 492(1) (Sem: 5-8)

ADDITIONAL COURSES (3 credits)
ECON 002 GS(3) or ECON 014 GS(3) (Sem: 1-4)

REQUIREMENTS FOR THE OPTION: 22.5-41 credits

HOTEL, RESTAURANT, AND INSTITUTIONAL MANAGEMENT OPTION: 22.5 credits

PRESCRIBED COURSES (10.5 credits)
HRIM 355(3), HRIM 480(3), NUTR 100 GHA(1.5), NUTR 119(3) (Sem: 5-6)

SUPPORTING COURSES AND RELATED AREAS: (12 credits)
Select 12 credits of HRIM courses from an approved department list, up to 4 credits of any foreign language, and other courses in consultation with an advisor.

MANAGEMENT DIETETICS OPTION: 41 credits

PRESCRIBED COURSES (38 credits)
B M B 211(3), BIOL 141 GN(3), CHEM 110 GN(3), CHEM 202(3), MICRB 106 GN(3), MICRB 107 GN(1) (Sem: 3-4)
NUTR 120(3), NUTR 251 GHA(3), NUTR 370(1), NUTR 400(1), NUTR 445(3), NUTR 446(3), NUTR 452(3), NUTR 453(3), NUTR 456(2) (Sem: 5-8)

ADDITIONAL COURSE (3 credits)
PSYCH 100 GS(3) or SOC 001 GS(3) (Sem: 1-4)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

Last Revised by the Department: Summer Session 2007

Blue Sheet Item #: 35-02-101

Review Date: 10/10/06

UCA Revision #1: 8/8/06

Human Development and Family Studies

Penn State Altoona (HFSAL)

Penn State Harrisburg (HFSCA)

University College (HFSCC): Penn State Brandywine, Penn State DuBois, Penn State Fayette, Penn State Mont Alto, Penn State Shenango, Penn State

Worthington-Scranton, Penn State York

College of Health and Human Development (HD FS)

Not all options are available at every campus. Contact the campus you are interested in attending to determine which options are offered.

PROFESSOR STEVEN H. ZARIT, *Head of the Department*

This major is a multidisciplinary program that examines the development of individuals and families across the life span. It enables students to prepare for professional, managerial, or scientific roles in health and human services professions, in public and nonprofit agencies, and in business and industry, as well as for advanced professional or graduate study. Students obtain a broad background in individual and family development across the life span. Courses emphasize biological, psychological, social/cultural, and economic aspects of development. Through course work and undergraduate internships or research projects, students develop skills relevant to career objectives, such as counseling, human assessment, program planning and evaluation, and research.

Two options are available within the major: (1) Life Span Human Services option and (2) Life Span Developmental Science option. The introductory paragraph to each of the options includes a brief list of career opportunities. More extensive descriptions of career opportunities in both public and private sectors are available for the program.

LIFE SPAN HUMAN SERVICES OPTION This option focuses on the acquisition and application of scientific knowledge about development and family functioning across the life span for the purposes of enhancing personal and family development. Courses emphasize: (1) understanding the biological, psychological, and social development across the life span, and the structuring and functioning of families; (2) understanding basic theoretical and methodological issues; and (3) the development of applied skills in intervention and evaluation, prevention, and in the formulation of social policy. An approved field experience in a setting that serves children, youth, adults, or the aged is required for this option. Typical employment settings include preschools, daycare centers, hospital programs for children, youth, and families, institutional and community mental health programs for individuals and families, programs for abused or neglected children and adolescents, women's resource centers, human resources programs, employee assistance programs, nursing homes, area agencies on aging and other community settings for older adults, and public welfare and family service agencies. Typical postgraduate pursuits of students completing this option include graduate study in human development, family studies, psychology, or sociology, or advanced professional training in psychology, law, behavioral health, counseling or social work.

LIFE SPAN DEVELOPMENTAL SCIENCE OPTION This option focuses on the understanding of contemporary methodological approaches to the acquisition of scientific knowledge about individual development over the life span and about family development. This option provides preparation for advanced training in careers in developmental or family research, teaching at a college or university, or for professional careers that require graduate training. Courses within this option emphasize a thorough understanding of the theory and methods of developmental and family theory and research. An approved, multi-semester research practicum is an integral component of this option. Typical postgraduate pursuits of students completing this option include graduate study in human development, family studies, psychology, or sociology, or advanced professional training in psychology, law, behavioral health, social work, or in other programs related to services for individuals and families.

For the B.S. degree in Human Development and Family Studies, a minimum of 120 credits is required.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits

(3-4 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:

(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:

(Included in ELECTIVES, GENERAL EDUCATION course selections, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:

(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 3-5 credits

REQUIREMENTS FOR THE MAJOR: 73-76 credits

(This includes 3-4 credits of General Education GQ courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 30-31 credits

PRESCRIBED COURSES (18 credits) [\[1\]\(#mnote01\)](#)

HD FS 129 GS(3), HD FS 301(3), HD FS 311(3), HD FS 312W(3), HD FS 315 U [\[93\]\(#mnote93\)](#), HD FS 418(3) (Sem: 3-6)

ADDITIONAL COURSES (12-13 credits) [\[1\]\(#mnote01\)](#)

Select 6 credits from HD FS 229 GS(3), HD FS 239 GS(3), HD FS 249 GS(3) (Sem: 1-4)

STAT 200 GQ(4) or EDPSY 101 GQ(3) (Sem: 1-4)

Select 3 credits of United States Cultures (US) [\[92\]\(#mnote92\)](#) (Sem: 4-8)

REQUIREMENTS FOR THE OPTION: 43-45 credits

LIFE SPAN HUMAN SERVICES OPTION (43-45 credits)

PRESCRIBED COURSES (9 credits) [\[1\]\(#mnote01\)](#)

HD FS 411(3), HD FS 414(3), HD FS 455(3) (Sem: 5-8)

ADDITIONAL COURSES (22-24 credits) [\[1\]\(#mnote01\)](#)

[\(#mnote01\)](#) Select 3 credits from HD FS 428(3), HD FS 429(3), HD FS 433(3) or HD FS 445(3) (Sem: 5-8)

Select 6 credits from 300- or 400-level HD FS courses (Sem: 5-8)

Select 13-15 credits from (a) or (b)

(a) Approved field practice in a human service setting: HD FS 490(2), HD FS 495A(9), HD FS 495B(3) (Sem: 5-8)

(b) Approved group project or field practice in human service setting: HD FS 401(3), HD FS 402(4), HD FS 495C(6-8) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (12 credits)

Select 12 credits (minimum of 6 credits at the 400 level) in consultation with adviser from University-wide offerings that develop competency in the option (a grade of C or better is required in any HD FS course taken to satisfy this requirement) (Sem: 5-8)

LIFE SPAN DEVELOPMENTAL SCIENCE OPTION 45 credits

PRESCRIBED COURSES (6 credits) [\[1\]\(#mnote01\)](#)

HD FS 494(6) or HD FS 494H(6) (Sem: 5-8)

ADDITIONAL COURSES (21 credits) [\[1\]\(#mnote01\)](#)

Select 6 credits from HD FS 428(3), HD FS 429(3), HD FS 433(3), HD FS 445(3) (Sem: 5-8)

Select 15 credits (minimum of 9 credits at the 400-level) from HD FS courses (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (18 credits)

Select 18 credits (minimum of 9 credits at the 400 level) in consultation with adviser from University-wide offerings that develop competency in option (a grade of C or better is required in any HD FS course taken to satisfy this requirement) (Sem: 5-8)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

[92] This course is in addition to the 6 credits of United States Cultures and International Cultures.

[93] This course fulfills the University's United States Cultures requirement.

Last Revised by the Department: Summer Session 2006

Blue Sheet Item #: 34-02-111

Review Date: 10/11/05

HH

Kinesiology

Berks College (KINBL)

University Park, College of Health and Human Development (KINES)

Not all options are available at every campus. Contact the campus you are interested in attending to determine which options are offered.

PROFESSOR KARL M. NEWELL, *Head*

Kinesiology offers a comprehensive program of study in the science of human movement and is designed for students who want to prepare for professions involving physical activity and for graduate study in related areas. Five options are offered: (1) Athletic Training; (2) Fitness Studies; (3) Movement Science; (4) Physical & Health Education Teacher Education; and (5) Exercise Science. All options require a minimum of 120 credits for graduation, with the exception of Physical and Health Education Teacher Education, which requires 131 credits. Information about the major and its options can be found at <http://www.hhdev.psu.edu/kines/index.html> (<http://www.hhdev.psu.edu/kines/index.html>).

All options require a culminating practicum or research experience. First Aid, CPR, and Water Safety Instructor (WSI) certification are highly recommended for the Physical & Health Education Teacher Education Option. (See additional requirements for student teaching under General Information, Special Academic Programs.) Relocation away from the University Park campus is generally necessary for student teaching and may be necessary for practicums in other options. First Aid and CPR are also recommended for the Fitness Studies Option.

Students who have completed a minimum of 28 credits and have a 2.00 cumulative grade-point average are eligible for entrance into the major after completing an Entrance to Major form. Students who are interested in Athletic Training or Physical & Health Education Teacher Education must meet additional criteria in order to enter these options (see information on Athletic Training and Physical & Health Education Teacher Education Options).

ATHLETIC TRAINING OPTION: This option provides a concentrated program of courses designed to prepare students for a career in the profession of athletic training. The option has been designed to meet the standards for certification by the National Athletic Trainers Association - Board of Certification and legal certification by the Commonwealth of Pennsylvania.

Students are admitted into the program on a competitive basis following completion of prerequisite courses (see requirements for admission). Students must also meet the "Technical Standards for the Undergraduate Athletic Training Program at Penn State University" related to the physical and psycho-emotional demands placed upon students in the option. Upon admission, students complete a 5-semester sequence of coursework and supervised clinical rotations. Students typically commit 200 to 300 hours to clinical practical experiences in each of the last 4 semesters of the program. The Technical Standards course sequencing and prerequisite courses can be found at http://www.hhdev.psu.edu/kines/undergrad/athletic_tr.html (http://www.hhdev.psu.edu/kines/undergrad/athletic_tr.html) or obtained through the Department of Kinesiology. Full course descriptions are found in the *University Bulletin*.

Students seeking to transfer from other colleges or universities will have their transcripts evaluated after acceptance to Penn State to identify those courses and credits that will be applied to completion of degree requirements. Coursework specific to athletic training will not be considered for transfer unless completed in a Commission on Accreditation of Allied Health Education Programs accredited athletic training education program.

Minimum Requirements for Admission to the Athletic Training Option (admission is competitive--meeting minimum requirements does not assure admission into the option):

1. Submission of written application (http://www.hhdev.psu.edu/kines/undergrad/athletic_tr.html (http://www.hhdev.psu.edu/kines/undergrad/athletic_tr.html)) or the Department of Kinesiology Advising Office, 276 Recreation Building, University Park, PA 16802).
2. Cumulative grade-point average of 2.5.
3. 3.0 grade-point average in KINES 135(3), KINES 202(4), KINES 231(3), KINES 233(3).
4. Completion of entrance interview with Athletic Training Program Director or designee.
5. Evidence of ability to meet the physical and psycho-emotional standards as outlined in the "Technical Standards for the Undergraduate Athletic Training Program at Penn State" (http://www.hhdev.psu.edu/kines/undergrad/athletic_tr.html (http://www.hhdev.psu.edu/kines/undergrad/athletic_tr.html)), or the Department of Kinesiology Advising Office, 276 Recreation Building, University Park, PA 16802).

FITNESS STUDIES OPTION: This option provides interdisciplinary training to develop healthy living skills. Course work provides students with a knowledge base and practical skills to prepare them for careers in wellness professions, including corporate fitness, personal training, fitness management, youth and adult coaching, and community-based fitness programs. Students are encouraged to seek appropriate professional certification during the final two years of study, and may wish to consider a minor in the supporting fields of business, gerontology, nutrition, psychology, or sociology. After completion of this course of study, graduates will be able to design and implement skill and age-appropriate fitness programs, or pursue advanced study in related fields.

MOVEMENT SCIENCE OPTION: This option provides interdisciplinary training that utilizes movement for diagnosis, rehabilitation, and/or theoretical study. Course work is designed to help prepare graduates for a broad range of careers in biomedical and health-related fields. The option can also prepare students for graduate studies in the health professions. Students may select supporting courses that will fulfill requirements for advanced study in scientific disciplines and a variety of professional areas such as physical therapy, cardiac rehabilitation, and physician's assistant.

PHYSICAL & HEALTH EDUCATION TEACHER EDUCATION OPTION: This option is designed to prepare students to become licensed K-12 Health and Physical Education teachers. The licensure certifies them to teach elementary, middle or high school Health and Physical Education. The program includes all the academic requirements for the Instructional I Certificate in these fields issued by the Pennsylvania Department of Education. The entrance requirements for all University teacher preparation programs include:

1. A minimum cumulative grade-point average of 3.00.
2. An assessment of reading, writing, and mathematics.
3. ENGL 015 or ENGL 030.
4. 6 credits of quantification.
5. 3 credits of literature.
6. 48 credits minimum.
7. Completion of an Education Core: EDPSY 014(3) and EDTHP 115 US(3).
8. An early field experience, preferably in a diverse setting (one with at least 25 percent minority students): for KINES majors, KINES 295A(1).
9. 6 credits of required coursework in the teaching field: for KINES majors, KINES 141 US:IL(3) and KINES 180(3).
10. Documented evidence showing completion of at least 80 hours of paid or volunteer work in a setting with an age-appropriate population, including a minimum of 40 hours of work in each of two settings, one of which should involve students from an underrepresented group, or who are from rural or urban areas, but different from the candidate's own background.
11. Approval by the Teacher Preparation option coordinator.

EXERCISE SCIENCE OPTION: (offered only at the Penn State Berks) This option is a program of study in the science of exercise. This program offers Kinesiology background and applied experience in fitness assessment, exercise physiology, exercise psychology, motor skill development, nutrition and healthy living skills. Graduates will be able to scientifically assess fitness levels of individuals. Analyzing those assessments, graduates will then be capable of designing and implementing appropriate exercise programs.

Students in the Business Emphasis can obtain a Business Minor through this program. Students acquire basic business skills in accounting, marketing, management and entrepreneurial skills.

Students choosing the Science Emphasis will select courses from a department list that will enhance their opportunity for graduate studies in Kinesiology

related fields, Physical Therapy and Medical schools.

The completion of the Exercise Science Option will enable graduates to compete for employment in the corporate fitness arena, private fitness clubs, community-based fitness organizations, hospital and university settings or possibly to operate their own health and fitness company.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(15-21 of these credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES :
(Included in ELECTIVES, GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 0-2 credits

REQUIREMENTS FOR THE MAJOR: 90-101 credits
(This includes 15-21 credits of General Education courses: Athletic Training Option--6 credits of GQ courses; 9 credits of GN courses; 3 credits of GS courses; 3 credits of GHA courses. Fitness Studies Option--6 credits of GQ courses; 6-7 credits of GN courses; 3 credits of GS courses; 3 credits of GHA courses. Movement Science Option--9 credits of GN courses; 6 credits of GQ courses; 3 credits of GS courses; 3 credits of GHA courses. Physical & Health Education Teacher Education Option--6 credits of GN courses; 3 credits of GQ courses; 3 credits of GS courses; 3 credits of GHA courses. Exercise Science Option--6-7 credits of GN courses; 6 credits of GQ courses; 3 credits of GHA courses.

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 31 credits

PRESCRIBED COURSES (31 credits) [1](#mnote01)
BIOL 141 GN(3), KINES 141 US:IL(3), KINES 180(3) (Sem: 1-4)
KINES 202(4), NUTR 251 GHA(3) (Sem: 3-4)
KINES 321(3), KINES 345(3), KINES 350(3), KINES 360(3), KINES 384(3) (Sem: 3-6)

REQUIREMENTS FOR THE OPTION: 59-70 credits

ATHLETIC TRAINING OPTION: (64 credits)

PRESCRIBED COURSES (64 credits)
MATH 022 GQ(3), CHEM 110 GN(3), CHEM 111 GN(1), KINES 135(3), PSYCH 100 GS(3) (Sem: 1-2)
PHYS 250 GN(4), STAT 200 GQ(4) (Sem: 3-4)
KINES 231(3) [1](#mnote01), KINES 233(3) [1](#mnote01) (Sem: 3)
KINES 232(3) [1](#mnote01), KINES 334(3) [1](#mnote01) (Sem: 4)
KINES 335(3) [1](#mnote01), KINES 395F(3) [1](#mnote01), KINES 434(3) [1](#mnote01) (Sem: 5)
KINES 336(3) [1](#mnote01), KINES 395G(3) [1](#mnote01), KINES 435(3) [1](#mnote01), KINES 436(4) [1](#mnote01) (Sem: 6)
KINES 395I(3) [1](#mnote01), KINES 438W(3) [1](#mnote01) (Sem: 7)
KINES 495F(3) [1](#mnote01) (Sem: 8)

FITNESS STUDIES OPTION (61-62 credits)

PRESCRIBED COURSES (28 credits) [1](#mnote01)
KINES 200(3), KINES 201(3), PSYCH 100 GS(3), STAT 200 GQ(4) (Sem: 3-6)
KINES 295B(1), KINES 395B(1), KINES 456(4), KINES 457(3), KINES 495B(6) (Sem: 5-8)

ADDITIONAL COURSES (24-25 credits)

a. CHEM 101 GN(3) or CHEM 110 GN(3) and CHEM 111 GN(1) (Sem: 1-4)
b. MATH 022 GQ(3) OR satisfactory performance on the MATH FTCAP examination--i.e., placement beyond the level of MATH 022 (Sem: 1-4)
c. KINES 492W(3) or KINES 481W(3) or KINES 439W(3) (Sem: 5-8)
d. Life Fitness Skills (select 3 credits) KINES 001 GHA(1.5-3), KINES 004 GHA(1.5), KINES 005 GHA(1), KINES 006 GH(1.5), KINES 008 GHA(1.5), KINES 010 GHA(1.5), KINES 010A GHA(1.5), KINES 011 GHA(1), KINES 011A GHA(1), KINES 012 GHA(1), KINES 015(1), KINES 017 GHA(1.5), KINES 017S GHA(1.5), KINES 018 GHA(1.5), KINES 020 GHA(1.5), KINES 024 GHA(1.5), KINES 025 GHA(1.5), KINES 026 GHA(1.5), KINES 027 GHA(1.5), KINES 027S GHA(1.5), KINES 028 GHA(1.5), KINES 029 GHA(1.5), KINES 029A GHA(1.5), KINES 041 GHA(1.5), KINES 042 GHA(1.5), KINES 042A GHA(1.5), KINES 042B GHA(1.5), KINES 044 GHA(1.5-1.5), KINES 045 GHA(1.5), KINES 046 GHA(1.5-1.5), KINES 047 GHA(1.5), KINES 047A GHA(1.5), KINES 047B GHA(1.5), KINES 048 GHA(1.5), KINES 048AGHA(1.5), KIN 054 GHA(1.5), KINES 055 GHA(1.5), KINES 056 GHA(1.5), KINES 057 GHA(1.5), KINES 058 GHA(1.5), KINES 059 GHA(1.5), KINES 060(3), KINES 061 GHA(3), KIN 061S GHA(3), KINES 062 GHA(1.5), KINES 063 GHA(1.5), KINES 065 GHA(1.5), KINES 067 GHA(1.5), KINES 067S GHA(1.5), KINES 070 GHA(1.5), KINES 071 GHA(1.5), KINES 076 GHA(1.5), KINES 077 GHA(1.5), KINES 077A GHA(1.5), KINES 081 GHA(3), KINES 082 GHA(3), KINES 083 GHA(1.5), KINES 084 GHA(1.5-2) KINES 089 GHA(3), KINES 090 GHA(1-1.5), KINES 090A GHA(1.5), KINES 090B GHA(1.5), KINES 090C GHA(1.5), KINES 091A GHA(1.5), KINES 091B GHA(1.5), KII 091C GHA(1.5), KINES 091D GHA(1.5), KINES 092 GHA(1.5), KINES 093 GHA(1.5-12) (Sem: 3-8)
e. Select an additional 12 credits from approved 400-level KINES courses: KINES 402(3), KINES 420(3), KINES 424 US(3), KINES 439W(3), KINES 440(3), KINES 441 US(3), KINES 442 IL(3), KINES 443 IL(3), KINES 444 US(3), KINES 446 IL(3), KINES 450(3), KINES 459(3), KINES 460(3), KINES 463(3), KINES 481W(3), KINES 483(3), KINES 484(3), KINES 485(3), KINES 488(3), KINES 492W(3), KINES 493(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (9 credits)

Select 9 credits in University-wide offerings from an approved list, in consultation with advisor. (Sem: 1-8)

MOVEMENT SCIENCE OPTION: (63 credits)

PRESCRIBED COURSES (36 credits) [1](#mnote01)
BIOL 110 GN(4), BIOL 142(1), CHEM 110 GN(3), CHEM 111 GN(1), CHEM 112(3), CHEM 113(1), KINES 295B(1) (Sem: 1-4)
PHYS 250 GN(4), PHYS 251 GN(4), PSYCH 100 GS(3), STAT 200 GQ(4) (Sem: 3-6)
KINES 395B(1) (Sem: 5-8)
KINES 495B(6) (Sem: 7-8)

ADDITIONAL COURSES (18 credits)

a. MATH 026 GQ(3) OR satisfactory performance on the MATH FTCAP examination--i.e., placement beyond the level of MATH 026 (Sem: 1-4)
b. Select an additional 15 credits from approved 400-level KINES courses:
KINES 402(3), KINES 420(3), KINES 421(3), KINES 422(3), KINES 423(3), KINES 424 US(3), KINES 427(3), KINES 428(3), KINES 429(3), KINES 439W(3), KINES 440 KINES 441 US(3), KINES 442 IL(3), KINES 443 IL(3), KINES 444 US(3), KINES 446 IL(3), KINES 450(3), KINES 456(4), KINES 457(3), KINES 460(3), KINES 463(3), KIN 481W(3), KINES 483(3), KINES 484(3), KINES 485(3), KINES 488(3), KINES 492W(3), KINES 493(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (9 credits)

Select 9 credits in University-wide offerings from an approved list, in consultation with advisor. (Sem: 1-8)

PHYSICAL & HEALTH EDUCATION TEACHER EDUCATION OPTION: (70 credits) [18](#mnote18)

PRESCRIBED COURSES (70 credits)
C I 280(3), CHEM 101 GN(3), EDPSY 010 GS(3), EDPSY 014(3), EDTHP 115 US(3), KINES 165(3), KINES 261(1), KINES 262(1), KINES 264(1), KINES 266(1), KINES 268(1), KINES 295A(1), MATH 022 GQ(3) (Sem: 1-4)
BB H 146 GHA(3), KINES 362(1.5), KINES 364(1.5), KINES 366(3), KINES 395A(1), KINES 400(3), KINES 445(3), KINES 464(3), KINES 466(2), KINES 468(3), KINES 469W(3), SPLED 400(4) (Sem: 5-8)
KINES 495A(12) (Sem: 8-9)

EXERCISE SCIENCE OPTION: (59-60 credits)

PRESCRIBED COURSES (34 credits)
STAT 200 GQ(4) (Sem: 1-2)
KINES 200(3) [1](#mnote01), KINES 201(3) [1](#mnote01), KINES 260(3) [1](#mnote01), KINES 295B(1) [1](#mnote01) (Sem: 3-4)

KINES 356(3[1](#mnote01)), KINES 358(1[1](#mnote01)) (Sem: 5-6)
KINES 420(3[1](#mnote01)), KINES 456(4[1](#mnote01)), KINES 457(3[1](#mnote01)), KINES 495C(6[1](#mnote01)) (Sem: 7-8)

ADDITIONAL COURSES (9-10 credits)

- CHEM 101 GN(3) or CHEM 110 GN(3) and CHEM 111 GN(1) (Sem: 1-2)
- MATH 022 GQ(3) or satisfactory performance on the MATH FTCP examination-i.e., placement beyond the level of MATH 022 (Sem: 1-2)
- Select 3 credits from KINES 001 GHA(1.5) to KINES 099(3) (Sem: 1-2)

SUPPORTING COURSES AND RELATED AREAS(16 credits)

Select 16 credits from one of the following emphasis area from an approved list, in consultation with advisor. At least 3 credits must be at the 400 level.

- Business Emphasis (Sem: 1-8)
- Science Emphasis (Sem: 1-8)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

[18] A grade of C or better per course is required for Physical & Health Education Teacher Education (PHETE).

Last Revised by the Department: Spring Semester 2010

Blue Sheet Item #: 38-01-026

Review Date: 8/25/09

UCA Revision #1: 8/8/06

HH

Nutritional Sciences

University Park, College of Health and Human Development (NUTR)

PROFESSOR GORDON JENSEN *Head of the Department*

The study of nutrition is a dynamic science that incorporates knowledge of human biology and biochemistry to understand how the body utilizes nutrients and related substances for optimal health throughout the lifecycle. In addition, students gain an understanding of how the interplay of nutrition and lifestyle relate to current public health issues and development of chronic and acute diseases.

The student may select the Applied Sciences option and apply knowledge of nutrition and human behavior to improve the nutritional status of individuals and communities or apply nutrition principles and counseling skills to medical problems in clinical dietetics. Other emphases in nutrition education and communications, nutrition and food science, or nutrition and exercise science are possible within the Applied Sciences option. All graduates with the Applied Sciences option satisfy the current Didactic Program in Dietetics requirement for application to a dietetic internship accredited by the Commission on Accreditation of Dietetics Education (CADE). Upon satisfactory completion of an accredited dietetic internship, graduates are eligible to take the registration examination to earn the credential Registered Dietitian. This option also prepares students for graduate study and employment in areas of applied nutrition.

The Basic Sciences option emphasizes the laboratory aspects of nutrition and is recommended for students preparing for careers in medicine and other health related fields such as dentistry, optometry, physician assistant, physical therapy, and chiropractic. This option also prepares students for graduate study and for employment in laboratory-based research. Students enrolled in the Basic Sciences option who want to become a Registered Dietitian should select all of the additional courses in the Didactic Program in Dietetics. A list of courses recommended for developing a specific competence within each option or to meet the academic requirements for a dietetic internship is available from the department office.

APPLIED SCIENCES OPTION: This option integrates knowledge of behavioral sciences and human physiology with nutrition. The option includes practical experience in food service management. Graduates of this option usually work in hospitals, clinics, community agencies, schools, the food industry, wellness centers, private practice, or continue to graduate study in nutrition, public health, business, or related fields.

BASIC SCIENCES OPTION: This option incorporates knowledge from biology, chemistry, physiology, and physics with nutrition. This option specifically prepares students for entry into medical school and other health related professional schools. This option also prepares students for careers in laboratory research in the pharmaceutical or food industries, government, or academia.

For the B.S. degree in Nutritional Sciences, a minimum of 120 credits is required.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits

(18-22 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:

(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:

(Included in ELECTIVES, GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:

(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 6-7 credits

REQUIREMENTS FOR THE MAJOR: 87-90 credits

(This includes 18-22 credits of General Education courses: Applied Sciences Option: 9 credits of GN courses; 4 credits of GQ courses; 6 credits of GS courses; 3 credits of GHA courses; or Basic Sciences Option: 9 credits of GN courses; 6 credits of GQ courses; 3 credits of GHA courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 36 credits

PRESCRIBED COURSES (33 credits)

BIOL 141 GN(3), CHEM 110 GN(3), NUTR 251 GHA[1](#mnote01), NUTR 358(2[1](#mnote01)), STAT 200 GQ(4) (Sem: 1-3)
B M B 211(3[1](#mnote01)), NUTR 445(3[1](#mnote01)), NUTR 446(3[1](#mnote01)), NUTR 451(3[1](#mnote01)) (Sem: 5-7)
NUTR 452(3), NUTR 490W(3) (Sem: 7-8)

ADDITIONAL COURSES (3 credits)

CHEM 202(3) or CHEM 210(3) (Sem: 2-4)

REQUIREMENTS FOR THE OPTION: 51-54 credits

APPLIED SCIENCES OPTION: (54 credits)

PRESCRIBED COURSES (28 credits)

MICRB 106 GN(3), MICRB 107 GN(1), NUTR 120(3), NUTR 360(3) (Sem: 4-6)
HRIM 329(3), HRIM 330(2), NUTR 456(2) (Sem: 5-6)
NUTR 370(1), NUTR 400(1), NUTR 453(3) (Sem: 7-8)
NUTR 380(3) (Sem: 3-5)
HRIM 385(3) (Sem: 5-7)

ADDITIONAL COURSES (6 credits)

AG BM 101GS(3), ECON 002 GS(3), ECON 004 GS(3), or ECON 014 GS(3) (Sem: 1-4)
H D FS 129GS(3) or PSYCH 100 GS(3) (Sem: 1-4)

SUPPORTING COURSES AND RELATED AREAS(20 credits)

Select 20 credits, in consultation with an adviser, from University-wide offerings that provide relevance to this option. See program list of recommended courses. (At least 6 credits must be at the 400 level and, of those, no more than 3 credits may be NUTR 496.) (Sem: 3-8)

BASIC SCIENCES OPTION:(51 credits)**PRESCRIBED COURSES** (32 credits)

BIOL 110 GN(4), BIOL 142(1), BIOL 230W GN(4), CHEM 111 GN(1), CHEM 112 GN(3), CHEM 113 GN(1), MATH 140 GQ(4) (Sem: 1-3)
 B M B 212(1), MICRB 201(3), MICRB 202(2), PHYS 250 GN(4), PHYS 251 GN(4) (Sem: 3-4)

ADDITIONAL COURSES (3 credits)

CHEM 203(3) or CHEM 212(3) (Sem: 4-6)

SUPPORTING COURSES AND RELATED AREAS(16 credits)

Select 16 credits, in consultation with an adviser, from University-wide offerings that provide relevance to this option. See program list of recommended courses. (At least 9 credits must be at the 400 level and, of those, no more than 6 credits may be NUTR 496.) (Sem: 3-8)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

Last Revised by the Department: Fall Semester 2008

Blue Sheet Item #: 36-04-041

Review Date: 1/15/08

UCA Revision #1: 8/9/06

HH

Recreation, Park, and Tourism Management

University Park, College of Health and Human Development (RPTM)

PROFESSOR JOHN DATILLO *Head of the Department*

Through this program, students can prepare for supervisory and administrative positions in public or private agencies at the federal, state, and local levels. These include, but are not limited to, park systems, environmental centers, resorts, university intramural and sport club programs, event management businesses, recreation services for the armed forces, and therapeutic recreation programs in hospitals and health care facilities. Four options are offered: (1) Commercial and Community Recreation Management, (2) Golf Management, (3) Outdoor Recreation, and (4) Therapeutic Recreation.

Students who have completed 28 credits with a 2.00 cumulative grade-point average are eligible for entrance into the major after filing a written application. First-year students are admitted directly into the Golf Management option at the University Park campus only. In addition to the University's academic requirements, each student admitted to the Golf Management option must have a playing proficiency represented by a minimum golf handicap of 12 or lower. This must be certified in writing by a PGA member or golf coach.

COMMERCIAL AND COMMUNITY RECREATION MANAGEMENT OPTION: This option focuses on management in the private/commercial, non-profit, and public sectors of recreation/leisure services. The private/commercial focus will be of interest to students seeking careers in a variety of commercial settings such as resorts; theme parks, convention centers; sports and fitness facilities, including arenas and stadiums; tourism promotion/planning agencies; and employee recreation departments within corporations. This focus will also appeal to students wishing to become entrepreneurs. For those interested in the community, public, or non-profit sectors, this option prepares students for positions within municipal, state, and federal government agencies; recreation divisions of the armed services; YMCA agencies; United Way agencies; scouting organizations; university-affiliated units such as student unions, intramural and alumni services; and other non-profit organizations.

GOLF MANAGEMENT OPTION: This option helps prepare students to manage golf facilities within the municipal, military, public, and private sectors. In addition to the core curriculum in Recreation, Park, and Tourism Management, this option includes a strong basic education in business coupled with course work in turf management and hospitality. Each student completes sixteen months of Co-op education under the supervision of a Class A member of the Professional Golfers' Association of America.

OUTDOOR RECREATION OPTION: This option helps prepare students for careers in environmental interpretation, adventure-based programming, or facilities and resource management. One track focuses upon natural and cultural history interpretation, including environmental education. Another track emphasizes adventure-based program leadership, including team-building facilitation. The third track focuses on the management of park and recreation facilities and resources. The outdoor recreation option would be of interest to students seeking employment in a variety of recreation and park venues (local, state, and national) offering outdoor activities to the public.

THERAPEUTIC RECREATION OPTION: This option helps prepare individuals to provide comprehensive therapeutic recreation services. These services are intended to facilitate the development of a satisfying leisure life-style for individuals of all ages experiencing limitations through disability, illness, or restricted social conditions. It will be of interest to students seeking employment in health and human service agencies, including rehabilitation centers, hospitals, and a variety of treatment, residential, and community-based facilities.

For the B.S. degree in Recreation, Park, and Tourism Management, a minimum of 120 credits is required.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits

(3-7 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
 (See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:

(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:

(Included in REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:

(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 8-13 credits**REQUIREMENTS FOR THE MAJOR:** 65-70 credits

(This includes 3-7 credits of General Education courses; 3-4 credits of GQ courses; 0-3 credits of GN courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 26-27 credits**PRESCRIBED COURSES** (23 credits) [\[1\] \(#mnote01\)](#)

RPTM 101(2), RPTM 120 GS(3), RPTM 236(3) (Sem: 1-4)

RPTM 277 US(3), RPTM 356(3) (Sem: 3-6)

RPTM 410(3), RPTM 460(3) (Sem: 5-8)

RPTM 433W(3) (Sem: 7-8)

ADDITIONAL COURSES (3-4 credits)

EDPSY 101 GQ(3) or STAT 100 GQ(3) or STAT 200 GQ(4) (Sem: 3-6)

REQUIREMENTS FOR THE OPTION: 39-43 credits**COMMERCIAL AND COMMUNITY RECREATION MANAGEMENT OPTION:** (39-40 credits)**PRESCRIBED COURSES** (21 credits) [\[1\] \(#mnote01\)](#)

RPTM 210(2), RPTM 300Y(3), RPTM 394(1) (Sem: 3-6)

RPTM 415(3), RPTM 495A(12) (Sem: 5-8)

ADDITIONAL COURSES (6-7 credits)

Select 6-7 credits from ACCTG 211(4) or HRIM 335(3), B A 250(3), FIN 100(3), HRIM 201(3), MGMT 100(3), MKTG 150(3), MKTG 221(3) (Sem: 3-8)

SUPPORTING COURSES AND RELATED AREAS(12 credits)

Select 12 credits from department list in consultation with faculty adviser (Sem: 3-8)

GOLF MANAGEMENT OPTION:(42-43 credits)**PRESCRIBED COURSES** (25 credits)

B LAW 243(3), MGMT 100(3), RPTM 210(11(#mnote01)) (Sem: 3-6)

HRIM 336(3), RPTM 360(11(#mnote01)) (Sem: 5-6)

HRIM 318(2), TURF 100(3) (Sem: 5-10)

HRIM 466(3), RPTM 415(11(#mnote01)) (Sem: 9-10)

ADDITIONAL COURSES (17-18 credits)

Select 3-4 credits from ACCTG 211(4) or HRIM 335(3) (Sem: 3-6)

Select 14 credits from RPTM 295A(1-4(11(#mnote01)), RPTM 395B(1-4(11(#mnote01)), RPTM 495B(1-4(11(#mnote01)), RPTM 495C(1-4(11(#mnote01)), RPTM 495D(1-4(11(#mnote01)) (Sem: 3-8)

OUTDOOR RECREATION OPTION: (41-42 credits)**PRESCRIBED COURSES** (20 credits)(11(#mnote01))

RPTM 320(3), RPTM 394(1) (Sem: 3-4)

RPTM 470(3), RPTM 480(1), RPTM 495A(12) (Sem: 5-8)

ADDITIONAL COURSES (21-22 credits)

Select 6 credits from courses with the following abbreviations: E R M, FOR, GEOSC, W F S (Sem: 3-6)

Select among: a, b, or c (15-16 credits)

a. Environmental Interpretation Emphasis:

Select 12 credits from RPTM 325(3(11(#mnote01)), RPTM 326(3(11(#mnote01)), RPTM 327(3(11(#mnote01)), RPTM 425(3(11(#mnote01)), RPTM 430(3(11(#mnote01)) (Sem: 5-8)

Select 3 credits from department list, in consultation with faculty adviser (Sem: 3-8)

b. Adventure-based Programming Emphasis:

Select 6-9 credits from RPTM 230(3(11(#mnote01)), RPTM 330(3(11(#mnote01)), RPTM 440(3(11(#mnote01)) (Sem: 3-8)

Select 0-3 credits from RPTM 325(3(11(#mnote01)), RPTM 334(3(11(#mnote01)), RPTM 430(3(11(#mnote01)) (Sem: 3-8)

Select 6 credits from department list, in consultation with faculty adviser (Sem: 3-8)

c. Park Management Emphasis:

RPTM 334(3(11(#mnote01)), RPTM 435(3(11(#mnote01)) (Sem: 6-8)

Select 6-7 credits from ACCTG 211(4) or HRIM 335(3), HRIM 201(3), MGMT 100(3), MGMT 341(3), MKTG 221(3) (Sem: 3-6)

Select 3 credits from department list, in consultation with faculty adviser (Sem: 3-8)

THERAPEUTIC RECREATION OPTION:(43 credits)**PRESCRIBED COURSES** (34 credits)

BI SC 004 GN(3), RPTM 376(11(#mnote01)), RPTM 394(11(#mnote01)) (Sem: 5-6)

PSYCH 470(3), RPTM 386(11(#mnote01)), RPTM 476(3(11(#mnote01)), RPTM 486(3(11(#mnote01)), RPTM 490(3(11(#mnote01)) (Sem: 6-8)

RPTM 495A(12(11(#mnote01)) (Sem: 7-8)

ADDITIONAL COURSES (3 credits)

Select 3 credits from HD FS 129 GS(3) or PSYCH 212 GS(3) (Sem: 3-4)

SUPPORTING COURSES AND RELATED AREAS(6 credits)

Select 6 credits from department list, in consultation with adviser (Sem: 3-8)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

Last Revised by the Department: Fall Semester 2004

Blue Sheet Item #: 32-06-123

Review Date: 01/21/05

UCA Revision #1: 9/1/06

HH

Associate Degrees**Hotel, Restaurant, and Institutional Management**

Berks College

University Park, College of Health and Human Development (2HRIM)

World Campus

PROFESSOR JAMES A. BARDI, *Director, Penn State University Park*

The Hotel, Restaurant, and Institutional Management major is an intensive four-semester major designed to prepare students for managerial positions in the hospitality industry. The course of study places heavy reliance on experience acquired in an on-the-job setting.

Students who achieve outstanding records may, upon completing this program, apply for admission to the baccalaureate degree major in Hotel, Restaurant, and Institutional Management in the College of Health and Human Development. Six or more additional semesters of satisfactory work are required to earn the baccalaureate degree. Graduates of this major may qualify for admission to other baccalaureate degree majors.

For the Associate in Science degree in Hotel, Restaurant, and Institutional Management, a minimum of 64 credits is required.

Scheduling Recommendation by semester given like (Sem: 1-2)

GENERAL EDUCATION:21 credits

(6 of these 21 credits are included in REQUIREMENTS FOR THE MAJOR)

(See description of General Education in this bulletin.)

REQUIREMENTS FOR THE MAJOR:49-51 credits

(This includes 6 credits of General Education GWS courses.)

PRESCRIBED COURSES (34 credits)

D S M 101(3), ENGL 015 GWS(701(#mnote70)), ENGL 202D GWS(3(701(#mnote70)), HRIM 201(3(701(#mnote70)), HRIM 250(3(11(#mnote01)), HRIM 270(4(11(#mnote01)), HRIM 295W(3), HRIM 305(701(#mnote70)), HRIM 310(3(701(#mnote70)), HRIM 319(3(701(#mnote70)), HRIM 380(3(701(#mnote70)) (Sem: 1-4)

(Sem: 1-4)

(Sem: 1-4)

ADDITIONAL COURSES (9-11 credits)

HRIM 204(3) or MKTG 221(701(#mnote70)) (Sem: 1-4)

HRIM 260(4) or MGMT 341(3) (Sem: 1-4)

ACCTG 211(4) or HRIM 335(701(#mnote70)) (Sem: 1-4)

SUPPORTING COURSES AND RELATED AREAS(6 credits)

Select 3 credits in nutrition (Sem: 1-4)

Select 3 credits in consultation with adviser to develop more depth in hospitality management (Sem: 1-4)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

[70] These courses are required for the baccalaureate degree in Hotel, Restaurant, and Institutional Management.

Last Revised by the Department: Fall Semester 2007

Blue Sheet Item #: 35-06-451

Review Date: 4/10/07

HH

Human Development and Family Studies

Altoona College (2FSAL)

University College (2FSCC): Penn State Brandywine, Penn State DuBois, Penn State Fayette, Penn State Mont Alto, Penn State Schuylkill, Penn State Shenango,

Penn State Worthington Scranton, Penn State York

University Park, College of Health and Human Development (2EHFS)

World Campus

Not all options are available at every campus. Contact the campus you are interested in attending to determine which options are offered.

For more information, contact: Mary Jo Spicer, S-120 Henderson Building

This major integrates practical and academic experiences to provide the student with entry-level professional competence in the human service field. The objective of the major is to offer a general education background, a knowledge base in life span and family development, and a core of professional skills that may be applied in program planning and service delivery activities. The major is offered part-time, in the evening, and through independent learning.

ADULT DEVELOPMENT AND AGING SERVICES OPTION: This option is designed to prepare students for a wide variety of service roles in mental health facilities, nursing homes and other institutions for the aged, area agencies on aging, public welfare and family service agencies, women's resource centers, human relations programs, employee assistance programs and customer services and consumer relations programs in business and industry. An improved field experience in any of a wide variety of settings that serve adults, the aged, and their families, is required for this option.

CHILDREN, YOUTH, AND FAMILY SERVICES OPTION: This option is designed to prepare students for service roles in preschools; day care centers; hospitals; institutional and community programs for emotionally disturbed, abused, or neglected children and adolescents; as well as a variety of public welfare and family service agencies. An approved field experience in a children, youth, or family services setting is required for this option.

EARLY CHILDHOOD CARE AND EDUCATION OPTION: This option is designed to increase professional capabilities in child care training in regard to issues of quality, affordability, and accessibility of programming. The primary foci are on language, literacy, and science reasoning. In the course work, there is a blending of theory and practice that requires experience in a group setting with young children. Courses concentrate on infants and toddlers as well as older preschoolers. Each course has a strong parent/family communications component and stresses observation techniques appropriate for assessing and evaluating the development of young children.

For the Associate in Science degree in Human Development and Family Studies, a minimum of 60 credits is required.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 21 credits
(15 of these 21 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

ELECTIVES: 0-3 credits

REQUIREMENTS FOR THE MAJOR: 51-55 credits
(This includes 15 credits of General Education courses: 6 credits of GWS courses; 3 credits of GS courses; 3 credits of GN courses; and 3 credits of GQ courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 30-31 credits

PRESCRIBED COURSES (21 credits)

CAS 100 GWS(3), ENGL 015 GWS(3), HD FS 129 GS[11(#mnote01)], HD FS 301(3[11(#mnote01)]), PSYCH 100 GS(3) (Sem: 1-2)
HD FS 395(6) (Sem: 3-4)

ADDITIONAL COURSES (9-10 credits)

EDPSY 101 GQ(3[11(#mnote01)]), STAT 100 GQ(3[11(#mnote01)]), or STAT 200 GQ(4[11(#mnote01)]) (Sem: 1-2)
HD FS 315 US(3[11(#mnote01)]), or SOC 030 GS(3) (Sem: 3-4)
BIOL 141 GN(3), BIOL 155 GN(3), or BI SC 004 GN(3) (Sem: 3-4)

REQUIREMENTS FOR THE OPTION: 21-24 credits

ADULT DEVELOPMENT AND AGING SERVICES OPTION: (21 credits)

PRESCRIBED COURSES (6 credits)

HD FS 249 GS(3[11(#mnote01)]), HD FS 311(3[11(#mnote01)]) (Sem: 1-4)

SUPPORTING COURSES AND RELATED AREAS (15 credits)

Select 15 credits in consultation with the adviser from University-wide offerings that enhance competence in the option (Sem: 1-4)

CHILDREN, YOUTH, AND FAMILY SERVICES OPTION: (24 credits)

PRESCRIBED COURSES (9 credits)

HD FS 229 GS(3[11(#mnote01)]), HD FS 239 GS(3[11(#mnote01)]), HD FS 311(3[11(#mnote01)]) (Sem: 1-4)

SUPPORTING COURSES AND RELATED AREAS (15 credits)

Select 15 credits in consultation with the adviser from University-wide offerings that enhance competence in the option (Sem: 1-4)

EARLY CHILDHOOD CARE AND EDUCATION OPTION: (24 credits)

PRESCRIBED COURSES (24 credits)

HD FS 229 GS(3[11(#mnote01)]), HD FS 230(3[11(#mnote01)]), HD FS 231(3[11(#mnote01)]), HD FS 311(3[11(#mnote01)]) (Sem: 1-2)
HD FS 232(3[11(#mnote01)]), HD FS 233(3[11(#mnote01)]), HD FS 234(3[11(#mnote01)]), HD FS 330(3[11(#mnote01)]) (Sem: 3-4)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

Last Revised by the Department: Spring Semester 2005

Blue Sheet Item #: 33-03-026

Review Date: 12/19/07

UCA Revision #1: 8/8/06

HH

Minors

Deafness and Hearing Studies Minor

University Park, College of Health and Human Development (DHS)

PROFESSOR GORDON W. BLOOD, in charge

This interdisciplinary minor is designed for students who want to learn about individuals with hearing disabilities, audition, and deafness within an individual and societal context. Core courses include knowledge and skills in preventing hearing loss, basic communication skills and disabilities, history, thought and

culture of individuals who are deaf, and principles of human behavior and their applications. The minor will assist students in recognizing relationships among hearing disability, deafness, cultural differences and their impact on the individual in educational, social and vocational settings. Specializations include, but are not limited to, health-related fields, communications, societal and social life, cultural impact, educational experiences, prejudice and discrimination, and rehabilitation. Students will be able to place deaf culture and hearing disabilities in the proper perspective necessary for life-long learners engaged in fostering climates which embrace individuals from diverse backgrounds, especially disabilities.

The minor is most appropriate for students interested in clinical and health-related fields (e.g., nursing, biobehavioral health, or medicine), professional fields (e.g., business, pre-law, or communications), social sciences (e.g., human development and family studies, sociology, or psychology), and education (e.g., early childhood education, special education, rehabilitation counseling), as it will provide students with exposure to the range of variation in persons with hearing disabilities and deafness across the lifespan.

Students from any major (except Communication Sciences and Disorders) can declare a minor in Deafness and Hearing Studies. A grade of C or better is required for all courses in the minor. Students seeking advising for this minor should contact the Department of Communication Sciences and Disorders.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR:19.5 credits

PRESCRIBED COURSES (10.5 credits)
CSD 101 GHA(1.5), CSD 146(3), CSD 269 US;IL(3), PSYCH 100 GS(3) (Sem: 1-6)

SUPPORTING COURSES AND RELATED AREAS(9 credits)
(Some courses in this category have prerequisites that are not required in the minor.)
(At least 6 credits must be at the 400 level.)

ACS 402(3), COMM 408(3), COMM 411(3), CSD 218(3), CSD 230(3), CSD 296(3), CSD 301(3), CSD 331(3), CSD 433(3), CSD 451(3), CSD 495B(3), CSD 496(3), E 010 GS(3), HD FS 129 GS(3), HD FS 417(3), KINES 400(3), KINES 402(3), NURS 401(3), NURS 452(3), PSYCH 253 GS(3), PSYCH 453(3), PSYCH 420(3), PSYCH 43 US(3), PSYCH 476(3), PSYCH 441(3), RPTM 277 US(3), RHS 300(3), RHS 403(3), SOC 001 GS(3), SOC 003 GS(3), SOC 429(3), SOC 430(3), SPLED 400(3), SPLED (Sem: 1-8)

Last Revised by the Department: Summer Session 2004

Blue Sheet Item #: 32-05-051

Review Date: 3/2/04

UCA Revision #1: 8/20/06

HH

Health Policy and Administration Minor

*Altoona College (HPAAL)
University Park, College of Health and Human Development (H P A)*

PROFESSOR DENNIS G. SHEA, *Head of the Department*

The minor in Health Policy and Administration (H PA) is designed to allow students to learn more about the health care system, health policy, and health administration. The minor is most appropriate for students interested in clinical and health-related fields (e.g., nursing, nutrition, biobehavioral health, or medicine), professional fields (e.g. business administration or law), or the social sciences (e.g., economics, sociology, political science, psychology), giving these students an understanding of the health care industry and the impact of business and government on that industry. Students must take 6 credits of prescribed courses including H P A 101(3), which introduces the organization of the health care system, and H P A 057 GHA(3), which considers the role of the health care consumer in the health care system. Students then focus their study on either health policy or health administration, choosing among courses at the 300 and 400 level. Students select 3-6 credits from H P A 301(3), H P A 310(3), and H P A 332(3) and 6-9 credits from 400-level H P A course:

A grade of C or better is required for all courses in the minor.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR:18 credits

PRESCRIBED COURSES (6 credits)
H P A 057 GHA(3) and H P A 101(3) (Sem: 3-6)

SUPPORTING COURSES AND RELATED AREAS(12 credits)
Select 3-6 credits from H P A 301W(3), H P A 310(3), H P A 332(3) (Sem: 3-6)
Select 6-9 credits from 400-level H P A courses (Sem: 5-8)

Note: Some courses have additional prerequisites that must be met.

Last Revised by the Department: Fall Semester 2002

Blue Sheet Item #: 30-07-092A

Review Date: 01/21/05

HH

Human Development and Family Studies Minor

*Altoona College (HFSAL)
College of Health and Human Development (HD FS)*

PROFESSOR STEVEN H. ZARIT, *Head of the Department*

A grade of C or better is required for all courses in the minor.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR:18 credits

PRESCRIBED COURSES (3 credits)
HD FS 129 GS(3) (Sem: 1-4)

SUPPORTING COURSES AND RELATED AREAS(15 credits)
Select 9 credits of HD FS courses (Sem: 1-6)
Select 6 credits of 400-level HD FS courses (Sem: 5-8)

Last Revised by the Department: Fall Semester 2001

Information Sciences and Technology for HR&IM Minor

*University Park, College of Health and Human Development (ISHRM)
University Park, College of Information Sciences and Technology*

The Internet and associated technologies have become vital communication channels for hospitality professionals. Historically, hospitality facilities such as hotels and restaurants used telephone, printed ads, and face-to-face contact to interact with customers. Now, technology is allowing Web sites, kiosks, e-mail, cell phones, personal digital assistants, and interactive television. Within the hospitality industry, corporate communications and training for employees can be handled electronically. Clearly, it is critical for HR&IM students to be cognizant about information science and technology if they are to succeed in hospitality management. Specifically, the learning outcomes for the IST-HR&IM minor are that students will attain the knowledge base necessary to direct the planning, design, and analysis of information technology systems for hospitality corporations and to integrate these systems for strategic, tactical, and operational use.

A one-time tuition surcharge will be applied to all students enrolled in the minor. A grade of C or better is required for all courses in the minor.

Scheduling Recommendations by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR:19 credits

PRESCRIBED COURSES (19 credits)

IST 110 GS(3) (Sem: 1-2)

IST 210(4) (Sem: 3-4)

IST 220(3), HRIM 350(3) (Sem: 5-6)

HRIM 470(3), HRIM 471(3) (Sem7-8)

Last Revised by the Department: Fall Semester 2001

Blue Sheet Item #: 29-07-062

Review Date: 10/06/05

HH

Information Sciences and Technology in Health Policy and Administration Minor

University Park, College of Health and Human Development (ISHPA)

University Park, College of Information Sciences and Technology

The learning objectives of the minor in Information Sciences and Technology in Health Policy and Administration (ISHPA) are to equip students with the skills and knowledge to meet the critical need for persons with expertise in health care information technology. Specialists in this field assist health care organizations develop and apply the information technologies needed to develop Web-based systems for patient education, physician-patient interaction and physician-physician consultation, securely transmit sensitive medical information electronically, and even pioneer efforts for advanced technologies like remote robotic surgery. The ISHPA minor provides students with a solid base in the information sciences and technology through courses in IST's core curriculum. This core is then supported by selections from a group of HPA courses studying the application of information technology in health planning, financing, or marketing. Students must apply for entrance to the minor no later than the beginning of their seventh semesters. A one-time tuition surcharge will be applied to all students enrolled in the minor.

A grade of C or better is required for all courses in this minor.

Scheduling Recommendations by Semester Standing given like (Sem: 1-2)

REQUIREMENT FOR THE MINOR:19 credits

PRESCRIBED COURSES (13 credits)

IST 110 GS(3) (Sem: 1-2)

IST 210(4) (Sem: 3-4)

IST 220(3) (Sem: 5-6)

H P A 470(3) (Sem: 7-8)

ADDITIONAL COURSES (6 credits)

Select 6 credits from H P A 431(3), H P A/BB H 440 US;IL(3), H P A 447(3), or H P A 455(3) (Sem: 5-8)

Note: The H P A courses have additional prerequisites that must be met.

Last Revised by the Department: Fall Semester 2002

Blue Sheet Item #: 30-07-92B

Review Date: 10/06/05

HH

Kinesiology Minor

University Park, College of Health and Human Development (KINES)

PROFESSOR KARL M. NEWELL, *Head*

A grade of C or better is required for all courses in the minor.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR:18-19 credits

ADDITIONAL COURSES (6-7 credits)

Select 6-7 credits from KINES 141 US;IL(3), KINES 180(3), and KINES 202(4) (Sem: 1-4)

SUPPORTING COURSES AND RELATED AREAS(12 credits)

Select 6 credits of 100-level or higher Kinesiology courses (Sem: 3-6)

Select 6 credits of 400-level Kinesiology courses (Sem: 7-8)

Last Revised by the Department: Summer Session 2007

Blue Sheet Item #: 35-05-114

Review Date: 3/6/07

HH

Nutritional Sciences Minor

University Park, College of Health and Human Development (NUTR)

PROFESSOR GORDON JENSEN *Head of the Department*

A grade of C or better is required for all courses in the minor.

Scheduling recommendation by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR:18 credits

PRESCRIBED COURSES (11 credits)
NUTR 251 GHA(3) (Sem: 1-4)
NUTR 358(2) (Sem: 3-6)
NUTR 445(3), NUTR 446(3) (Sem: 5-6)

SUPPORTING COURSES AND RELATED AREAS(7 credits)
Select 7 credits from NUTR courses (Sem: 5-8)

Last Revised by the Department: Fall Semester 2002

Blue Sheet Item #: 30-07-094

Review Date: 4/8/03

HH

Recreation, Park, and Tourism Management Minor

University Park, College of Health and Human Development (RPTM)

PROFESSOR JOHN DATILLO *Head of the Department*

The minor in Recreation, Park, and Tourism Management provides an introduction to recreation/leisure services, and emphasizes professional skills essential for successful delivery of these services. Examples of settings offering recreation/leisure services include resorts, theme parks, convention centers, sports and fitness facilities, private corporations, nonprofit agencies, governmental agencies (municipal, state, and federal levels), armed services, colleges and universities, correctional facilities, camps, public parks, nature centers, hospitals and other health care agencies.

Students who minor in Recreation, Park, and Tourism Management gain knowledge and competencies in recreation leadership, program development and implementation, and administration of recreation services. In addition, students explore the relevance of recreation and leisure in their own lives. Support courses enable the student to focus on specialized services, such as commercial recreation and tourism, community recreation, park management, environmental interpretation, or therapeutic recreation.

A grade of C or better is required for all courses in the minor.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR:20 credits

PRESCRIBED COURSES (14 credits)
RPTM 101(2), RPTM 120 GS(3) (Sem: 1-4)
RPTM 236(3), RPTM 356(3), RPTM 410(3) (Sem: 3-6)

SUPPORTING COURSES AND RELATED AREAS(6 credits)
Select 6 credits three of which must be from 400-level RPTM courses (Sem: 5-8)

Last Revised by the Department: Fall Semester 2004

Blue Sheet Item #: 32-06-123A

Review Date: 02/25/05

HH

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This is the official bulletin of The Pennsylvania State University. Programmatic expectations for General Education are those in effect at the time of admission to degree candidacy, and college and major requirements are those in effect at the time of entry to college and major. These are accurately indicated in each student's degree audit.

The University reserves the right to change the requirements and regulations listed here and to determine whether a student has satisfactorily met its requirements for admission or graduation, and to reject any applicant for any reason the University determines to be material to the applicant's qualifications to pursue higher education. Nothing in this material should be considered a guarantee that completion of a program and graduation from the University will result in employment.

The University Faculty Senate has responsibility for and authority over all academic information contained in the Undergraduate Bulletin.