

Annual Institutional Title II Report Card: 2005-2006

Teacher Education Mission

The mission of Teacher Education at Bradley University is to prepare teachers who will be effective leaders, advocates, and life-long learners. We believe that teaching and learning are dynamic, interactive, life-long processes based on empowering interactions among learners.

Teacher Preparation Programs:

Bradley University offers 18 baccalaureate programs leading to state teacher certification and graduate-level certification programs in Educational Administration, Special Education, and School Counseling.

Student Characteristics:

Most undergraduates (93.8 percent) are of traditional college age, 94 percent attend full-time, and 87.9 percent are Illinois residents. Ten point five percent of all students are minority students. The average ACT score for fall 2005 freshmen was 24. Undergraduate enrollment is 5369. Graduate enrollment is 785. Total enrollment is 6154.

Admissions Requirements:

Candidates must have earned a minimum grade point average of 2.5 overall, 2.5 in education courses, and a 2.5 in their content major or concentration. Candidates must have earned grades of not less than a C in COM 103, ENG 101, and a mathematics course that meets university general education requirements. They must have completed a prescribed group of education courses for each major with the appropriate GPA and no Ds, passed the Illinois Certification Test of Basic Skills, demonstrated appropriate pre-professional behaviors and dispositions, been cleared on a check of criminal history, and received a satisfactory vote of the faculty.

Admission to Student Teaching: Candidates must have maintained a minimum grade point average of 2.5 overall, 2.5 in education courses, and a 2.5 in their content major or concentration. They must have been advanced to candidacy, passed the Illinois Certification Test in their content area, been cleared on a State Police fingerprint check, and have a negative result on a current TB test.

Best Practices:

- Practicum experiences in the schools begin the freshman year and continue each year of the program, increasing in responsibility.
- Each candidate will have clinical experiences in the full range of his or her certification and in a diverse setting.

- The University has Professional Development School partners at each level from early childhood through high school.

Notable Features and Accomplishments:

- Placement of graduates was 99 percent for this year.
- Whittier Primary School, our newest professional development schools (PDS) partner, was recognized as a Blue Ribbon School nationally and received federal recognition. The principal, an alumna of Bradley, also received a national award from the U.S. Department of Education.
- In four of the last eight years a student teacher has been named one of 10 "PDK Outstanding Student Teachers" in the nation.
- Two teacher education professors have received the NBPTS (National Board for Professional Teaching Standards) certificate.
- The College and the local schools have a PDS partnership that provides unique opportunities for students and faculty.
- Opportunities exist for students to student teach in Department of Defense Schools in England.
- The College is a thirteen-year recipient of a William T. Kemper Grant which supports a partnership between Bradley University's College of Education and Health Sciences and four selected public school sites to foster collaborative leadership and support teaching excellence.
- Science Education at Bradley has received awards from Bradley for Excellence, National Science Foundation, the Annie E. Casey Foundation, and other external grants for STEM programming.
- Bradley University is one of three institutions of higher education in Illinois to be selected to participate in a Library of Congress national project, focusing on developing interactive learning and teaching resources for P-16 classrooms.

Program Profile:

Total number of students admitted into teacher preparation, all specializations, in academic year 2005-2006: 724

Number of students in supervised student teaching in academic year 2005-2006: 163

Number of faculty members who supervised student teachers:

- Full-time faculty in professional education: 3
- Part-time faculty in professional education but full-time in the institution: 2

- Part-time faculty in professional education, not otherwise employed by the institution: 14

Total faculty student teaching supervisors: 19

Student teacher/faculty ratio: 8.57:1

The average number of student teaching hours per week: 35

The total number of weeks of supervised student teaching required: 14.77 ave.

Average total number of hours required: 516.9

Illinois Certification Testing System 2002-2003 Third Year Cohort Update Bradley University • Program Completers: 151				
Test Field/ Category	Institution			State- wide Pass Rate
	Number Tested	Number Passed	Pass Rate	
Basic Skills				
Basic Skills Test	151	151	100%	100%
Aggregate	151	151	100%	100%
Academic Content Areas				
002 Early Child	11	11	100%	99%
003 Elementary/Middle Grades (K-9)	96	95	99%	100%
023 History	4	--	--	96%
024 Social Science	3	--	--	96%
025 English	4	--	--	99%
026 Spanish	1	--	--	99%
035 Biological Science	3	--	--	99%
048 Art (K-12)	5	--	--	100%
049 Music (K-12)	6	--	--	97%
Aggregate	133	130	98%	99%
Other Content Areas				
044 Family & Consumer Sciences	3	--	--	100%
Aggregate	3	--	--	99%
Teaching Special Populations				
004 Educable Mentally Handicapped	8	--	--	95%
006 Learning Disabilities	8	--	--	91%
007 Social/Emotional Disorders	4	--	--	99%
Aggregate	20	20	100%	96%
Summary Totals and Pass Rate	151	148	98%	99%

Note: Institutional information is not released for tests taken by fewer than ten students.

Illinois Certification Testing System Annual Institution Report 2005-2006 Bradley University • Program Completers 165				
Test Field/ Category	Institution			State- wide Pass Rate
	Number Tested	Number Passed	Pass Rate	
Basic Skills				
Basic Skills Test	165	165	100%	100%
Aggregate	165	165	100%	100%
Professional Knowledge/Pedagogy				
101 APT: Birth to Grade 3	12	12	100%	99%
102 APT: Grades K-9	61	60	98%	99%
103 APT: Grades 6-12	44	43	98%	99%
104 APT: Grades K-12	44	43	98%	98%
Aggregate	161	158	98%	99%
Academic Content Areas				
002 Early Child	1	--	--	100%
003 Elem./Middle (K-9)	5	--	--	100%
023 History	2	--	--	100%
024 Social Science	2	--	--	100%
025 English	2	--	--	100%
036 Mathematics	1	--	--	100%
105 Science: Biology	2	--	--	100%
107 Early Childhood Education	11	11	100%	100%
108 Science: Earth & Space Science	2	--	--	100%
110 Elem./Middle Grades	85	85	100%	100%
111 English Language Art	7	--	--	100%
114 Social Science: History	16	16	100%	100%
115 Mathematics	7	--	--	98%
118 Social Science: Psychology	1	--	--	100%
135 Foreign Lang.: Spanish	1	--	--	100%
141 Drama/Theater Arts	3	--	--	100%
143 Music	1	--	--	100%
145 Visual Arts	5	--	--	100%
Aggregate	154	154	100%	100%
Other Content Areas				
172 Family and Con- sumer Sciences	6	--	--	100%
Aggregate	6	--	--	100%
Teaching Special Populations				
155 Learning Behavior Specialist I	31	31	100%	100%
Aggregate	31	31	100%	100%
Summary Totals and Pass Rate	165	162	98%	99%

Department of Family and Consumer Sciences

FACULTY Professors Collins (chair), Davidson; Associate Professor Choi; Assistant Professors Brandes, Devlin, Randall.

The Department of Family and Consumer Sciences offers majors in *retail merchandising; foods, nutrition, and dietetics; and family and consumer sciences education*. Students may also choose to major in *general family and consumer sciences*, which allows flexibility.

Career opportunities continue to expand in this fast-growing field. Careers in teaching, family and consumer sciences related business, social welfare, nutrition and dietetics, family and consumer sciences extension, and fashion and retail merchandising can all result from degree programs in the Department of Family and Consumer Sciences.

Departmental Requirements

All family and consumer sciences students must meet the following family and consumer sciences core requirements listed below and professional work experience, as well as the required courses for their chosen major. Students must take a minimum of 38 hours in FCS courses.

Family and Consumer Sciences Core

FCS 140 Introduction to Family & Consumer Sciences.....	2
FCS 246 Family Systems and Applications.....	3
FCS 300 Consumer Issues in America.....	3
FCS elective to be chosen from the following:	
FCS 341 Human Development Through the Lifespan	
FCS 342 Child Development Laboratory	
FCS 440 Family Relations.....	3
FCS 400 Senior Seminar in Family & Consumer Sciences.....	1
Total	12

Required Professional Work Experience:

FCS 460 Family and Consumer Sciences Internship (required for FCSF).....	3
FCS 461 Practicum in Foods & Nutrition (required for FCSD)	3
EHS 301 Cooperative Education.....	0-3
ETE 499 Student Teaching in the Secondary School (required for FCST).....	10-13

Major Requirements

Foods, Nutrition and Dietetics

Careers in health care, community and public health, wellness, foods science, foodservice, product development, food marketing, communication, and business consulting

offer many diverse opportunities for graduates in this major. The two concentrations within this major are: 1) Dietetics and 2) Foods and Nutrition. Students choosing the dietetic concentration will be enrolled in the didactic program in dietetics (DPD). The DPD at Bradley University is currently granted initial accreditation by the Commission on Accreditation for Dietetic Education (CADE) of the American Dietetic Association, 120 Riverside Plaza, Chicago, IL 60606-6995, 312/899-5400. CADE is currently recognized by the Council on Higher Education Accreditation (CHEA) and the United States Department of Education (USDE). Students who graduate from this program with a C or better in all FCS required courses will receive a verification statement that will allow them to pursue a CADE-accredited dietetic internship to take the national registration examination to become registered dietitians. The Foods and Nutrition concentration offers a flexible professional program for the pursuit of entry level careers in foods and nutrition. Students completing the Foods and Nutrition concentration will not be eligible to pursue dietetic internships and become registered dietitians.

Dietetic Concentration

University Requirements

Candidates for all baccalaureate degrees must complete requirements in general education. Within the Math; Cultural Diversity and Social Forces; and Science categories, students in this concentration should choose the following:

MTH 111 Elementary Statistics.....	3
ECO 100 Introduction to Economics.....	3
PSY 104 Principles of Psychology.....	3
CHM 100 Fundamentals of General Chemistry.....	3
CHM 101 Fundamentals of General Chemistry Lab.....	1
BIO 121 Life Science 1.....	3

Family & Consumer Sciences Core

(See "Family and Consumer Sciences Core" above.)

Required Professional Work Experience

FCS 461 Practicum in Foods and Nutrition.....	3
---	---

Additional Required FCS Courses

FCS 104 Introductory Food Principles.....	4
FCS 220 Consumer Issues in Health Care.....	3
FCS 303 Nutrition.....	3
FCS 306 Community Nutrition.....	3
FCS 307 Lifecycle Nutrition.....	2
FCS 309 Investigation of Food Topics.....	3

FCS 405 Food Service Systems 3
 FCS 407 Nutritional Assessment 2
 FCS 408 Management in Food Service 3
 FCS 410 Advanced Nutrition 4
 FCS 411 Medical Nutrition Therapy 4

Required Supporting Courses 27-30

CHM 151 Fundamentals of Organic Chemistry 2
 CHM 152 Fundamentals of Biochemistry 2
 CHM 153 Organic-Biochemistry Lab 1
 BIO 200 Human Anatomy and Physiology 3
 BIO 202 Microbiology and Immunology 4
 BIO 203 Human Anatomy and Physiology Lab 2
 BIO 205 Pathophysiology 3
 BMA 352 Management and Organization Theory 3
 or PSY 310* Industrial and Organizational Psychology
 MTG 315 Principles of Marketing 3
 1 3-hour course Learning Theory 3
 Suggest: FCS 341 Human Development through
 the Lifespan or PSY 302 Psychology of Learning
 or PSY 304 Developmental Psychology
 CHM 391 Medical Terminology 1

* Prerequisites for PSY 310 are PSY 104 and PSY 205 or equivalent, which may increase the total hours of required supporting courses.

Required Certificate

Certificate in Food Service Sanitation by State of Illinois; to be completed before enrolling in FCS 408

Foods and Nutrition Concentration

University Requirements

Candidates for all baccalaureate degrees must complete requirements in general education. Within the Math; Cultural Diversity and Social Forces; and Science Categories, students in this concentration should choose the following:

MTH 111 Elementary Statistics 3
 ECO 100 Introduction to Economics or
 ECO 221 Principles of Microeconomics 3
 PSY 104 Principles of Psychology 3
 BIO 121 Life Science I 3
 CHM 100 Fundamentals of General Chemistry 3
 CHM 101 Fundamentals of General Chemistry Lab 1

Family and Consumer Sciences Core 12

(See catalog, page 142 for complete listing of FCS core)

Required Professional Work Experience

FCS 461 Practicum in Foods and Nutrition 3

Additional Required FCS Courses 23

I. Required:

FCS 104 Introductory Food Principles 4
 FCS 220 Consumer Issues in Healthcare 3
 FCS 303 Nutrition 3
 FCS 306 Community Nutrition 3

II. Select 10 hours from the following:

FCS 203 Health, Safety and Nutrition 3
 FCS 304 Sports and Exercise Nutrition 3
 FCS 307 Lifecycle Nutrition 2
 FCS 309 Investigation of Food Topics 3
 FCS 405 Food Service Systems 3
 FCS 408 Management in Food Service 3
 FCS 410 * Advanced Nutrition 4
 FCS 411 * Medical Nutrition Therapy 4

* Some courses require prerequisites which will add additional hours.

Required Supporting Course 3

BIO 200 Human Anatomy and Physiology 3

Required Certificate

Certificate in Food Service Sanitation by State of Illinois; to be completed before enrolling in FCS 408

Required Minor 12-23

The student choosing a concentration in Foods and Nutrition is allowed sufficient curriculum flexibility to specialize in a particular area of interest including public and community nutrition, nutrition and wellness, or foodservice management. Guided by the interest of the student, a minor to support the student's career goals will be incorporated into the degree plan. Depending on the minor chosen, 12-23 hours of minor coursework will be required.

General Family and Consumer Sciences

This flexible curriculum is designed for students who have interest areas in family and consumer sciences other than specific majors offered by the department at Bradley University. Examples of interest areas include foods, nutrition, apparel, textiles, living environments, child development and family relationships, or careers in cooperative extension services would be appropriate for this major choice.

The major requires a minimum of 38 Family and Consumer Sciences hours, including the Family and Consumer Sciences core.

University Requirements

Candidates for all baccalaureate degrees must complete requirements in General Education.

Within the Cultural Diversity and Social Forces General Education category, students in this major should choose the following:

ECO 100 Introduction to Economics or
 ECO 221 Principles of Microeconomics 3
 PSY 104 Principles of Psychology 3

Family and Consumer Sciences Core 12

(See catalog, page 142 for complete listing of FCS core)

Required Professional Work Experience

Choose one of the following:

FCS 460 Family and Consumer Sciences Internship 3
 FCS 461 Practicum in Foods and Nutrition 3
 EHS 301 Cooperative Education Internship 0-3

College of Education and Health Sciences

Additional Required FCS courses:

I. Foods and Nutrition (choose at least two)

FCS 104 Introductory Food Principles	4
FCS 203 Health, Safety and Nutrition.....	3
FCS 303 Nutrition	3
FCS 304 Sports and Exercise Nutrition	3
FCS 306 Community Nutrition	3
FCS 309 Investigation of Food Topics	3
FCS 405 Food Service Systems	3
FCS 406 Issues and Trends in Foods and Nutrition.....	3
FCS 407 Nutritional Assessment	2
FCS 408 Management in Food Service.....	3
FCS 410 Advanced Nutrition.....	4
FCS 411 Medical Nutrition Therapy	4

II. Clothing and Textiles (choose at least two)

FCS 130 Clothing in Contemporary Society	3
FCS 133 Apparel Production and Analysis	3
FCS 231 Pattern Making.....	3
FCS 233 Consumer Textiles.....	3
FCS 330 Fashion Merchandising.....	3
FCS 331 Fashion Merchandising Laboratory.....	1
FCS 332 Advanced Clothing Construction.....	3
FCS 333 Advanced Textiles.....	3
FCS 334 Visual Merchandising and Promotion.....	3
FCS 338 International Fashion Merchandising.....	3
FCS 433 Issues and Trends in Apparel and Textiles	3
FCS 438 Global Trends in Apparel and Textiles.....	3
FCS 536 World of Fashion	3

III. Human Ecology (choose at least two)

FCS 220 Consumer Issues in Health Care.....	3
**FCS 300 Consumer Issues in America	3
FCS 357 Housing and Interior Design.....	3
FCS 359 Applied Projects in Interior Design.....	3

IV. Child/Family (choose at least two)

**FCS 246 Family Systems and Applications.....	3
FCS 307 Lifecycle Nutrition.....	2
FCS 341 Human Development Through the Lifespan	3
FCS 342 Child Development Laboratory	3
FCS 440 Family Relations (choice within core).....	3

Total FCS hours for the major 38

(minimum will depend on choice of work experience)

Some courses require prerequisites that will add additional hours.

**FCS Core Requirement

Family and Consumer Sciences Education

Students who choose the family and consumer sciences education program (FCST) can meet Illinois certification requirements for teaching family and consumer sciences in junior and senior high schools. Graduates receiving certification have found employment in public schools throughout the United States.

All students must complete the family and consumer sciences core. Student teaching (ETE 499) fulfills the professional work experience requirement. As in any good program, revisions are being made continually; students should consult the Department of Teacher Education chair about current program requirements. Secondary education teacher candidates should refer to the teacher education department for requirements in professional education courses for secondary education. Candidates will have an advisor in both Family and Consumer Sciences and in the Department of Teacher Education.

FCST Foundational Requirements

These courses are required for all secondary education majors in family and consumer sciences.

**FCS 140 Introduction to Family & Consumer Sciences.....	2
**FCS 246 Family Systems and Applications	3
**FCS 300 Consumer Issues in America	3
**FCS 341 Human Development Through the Lifespan.....	3
FCS 342 Child Development Laboratory	3
FCS 440 Family Relations.....	3
**FCS 400 Sr. Seminar in Family & Consumer Sciences	1

Total 18

A minimum of 38 semester hours in family and consumer sciences, including the family and consumer sciences core, is required for all family and consumer sciences majors. Students should choose courses in the following concentrations:

Nutrition, and Wellness and Hospitality

Choose 12 hours from the following courses:

FCS 104 Introductory Food Principles.....	4
FCS 203 Health, Safety and Nutrition or FCS 303 Nutrition	3
FCS 220 Consumer Issues in Health care	3
FCS 306 Community Nutrition	3
FCS 309 Investigation of Food Topics	3
FCS 405 Food Service Systems or FCS 408 Management in Food Service.....	3

Apparel and Textiles

Choose 12 hours from the following courses:

FCS 130 Clothing and Human Behavior.....	3
FCS 133 Apparel Product Analysis	3
FCS 233 Consumer Textiles	3
FCS 231 Pattern Making (3); or FCS 332 Advanced Clothing Construction (3); or FCS 330 Fashion Merchandising (3) and FCS 331 Fashion Show Production (1)	3 or 4
FCS 334 Visual Merchandising and Promotion.....	3
FCS 336 History of Fashion	3

Living Environments

Choose 12 hours from the following courses:

FCS 233 Consumer Textiles.....	3
**FCS 246 Family Systems and Applications	3
**FCS 300 Consumer Issues in America	3
FCS 334 Visual Merchandising and Promotion.....	3
FCS 357 Housing and Interior Design	3

Retail Merchandising

Graduates in this area are prepared for careers in merchandising, sales, operations, buying, and other related areas in the retail fashion industry. A minor in business management or marketing is required for this major.

University Requirements

Candidates for all baccalaureate degrees must complete requirements in General Education. Within the Math; Cultural Diversity and Social Forces; and Sciences categories, students in this major should choose the following courses:

CHM 100 Fundamentals in General Chemistry 4
 ECO 100 or ECO 221 3
 MTH 111 Elementary Statistics 3
 PSY 104 Principles of Psychology 3
 Students must complete a minimum of 38 hours in FCS courses.

Family and Consumer Sciences Core 12

Required Professional Work Experience

FCS 460 Family & Consumer Sciences Internship 3

Additional Required FCS Courses

(must earn C or better in each of these courses)

FCS 130 Clothing and Human Behavior 3
 FCS 133 Apparel Production and Analysis 3
 FCS 233 Consumer Textiles 3
 FCS 330 Fashion Merchandising 3
 FCS 331 Merchandising Lab 1
 FCS 333 Advanced Textiles 3
 FCS 334 Visual Merchandising and Promotions 3
 FCS 336 History of Fashion 3
 FCS 438 Global Issues of Textile and Apparel 3
 FCS elective (FCS 338 or 357) 3

Required Supporting Courses

ART 227 Basic Graphic Design 3
 MTG 381 Integrated Marketing Communications or
 COM 220 Advertising as Communication 3

Required Minor: Option I or Option II

Option I 15

A management minor described in this catalog under the Business Management and Administration Department, Foster College of Business Administration.

Option II 15

A marketing minor described in this catalog under the Marketing Department Foster College of Business Administration.

International Concentration

Family and consumer sciences majors may wish to elect this option with careful consultation with an academic advisor. Students who elect this emphasis must complete **eighteen hours** fulfilled in the following manner.

Category A:

Six credit hours chosen from the following courses:

FCS 338 International Fashion Merchandising 3
 FCS 406 Issues and Trends in Foods and Nutrition 1-3
 FCS 433 Trends in International Textiles 3
 FCS 401/402 or 585 Independent Readings, Independent Problems, or Topics in Family and Consumer Sciences with an international focus 1-6

Category B:

Six credit hours chosen from the following courses:

MTG 346 International Marketing 3
 IB 306 Introduction to International Business 2
 IB 400 Topics in International Business 1-4

or

Two courses chosen from a minor in area studies with an international focus such as Asian studies or Russian and East European studies. This would include any two courses from the required or elective course list, consisting of courses in history, international studies, religious studies, sociology, art, and Japanese, for example.

Category C:

Six credit hours taken outside the United States, which could include the Bradley European Summer Semester Abroad, a full semester spent in another country, or two interim courses spent in other countries. (Only Bradley-directed hours count for residence hours.)

or

Any two semesters of foreign language courses (**not used for any other requirement in this concentration**) taken for credit.

Family and Consumer Sciences Minor

The minor in family and consumer sciences enhances other career options, provides career flexibility, and enhances personal knowledge.

This minor will allow students to choose courses within:

- General Family and Consumer Sciences
- Foods, Nutrition, and Dietetics
- Apparel and Textiles/Interior Design
- Child Development/Family Relationships

Transfer policies for minors are the same as for family and consumer sciences majors. Prior approval of transfer credit must be secured from the chair of Family and Consumer Sciences.

The requirements for a minor in family and consumer sciences are:

1. A minimum of 17 semester hours in family and consumer sciences as specified below.
2. Complete FCS 140, Introduction to Family and Consumer Sciences (2 hrs.) and FCS 300 Consumer Issues In America (3 hrs.)
3. At least nine of the remaining 12 semester hours must be in Family and Consumer Sciences courses above the 100 level.

College of Education and Health Sciences

- No fewer than six of the remaining 12 semester hours must be in Family and Consumer Sciences courses at the 300 level or above.

Course Descriptions

FCS 104 Introductory Food Principles	4 hrs.
Scientific principles of food preparation and selection. Laboratory experiences demonstrate theoretical concepts.	
FCS 130 Clothing and Human Behavior	3 hrs.
Interdisciplinary study of cultural, social, psychological, economic, and aesthetic relationship of clothing to today's society.	
FCS 133 Apparel Product and Analysis	3 hrs.
Study of apparel production, including apparel components, structure, quality, and serviceability. Includes laboratory.	
FCS 140 Introduction to Family and Consumer Sciences	2 hrs.
Family and consumer sciences professions, history, philosophy, theory and foundations.	
FCS 203 Health, Safety, and Nutrition	3 hrs.
Personal health of PreK-12 learners, including nutrition and safety issues. Meeting health needs of learners in group settings. Healthy lifestyle, preventive health, and community health.	
FCS 220 Consumer Issues in Health Care	3 hrs.
Possible care obtained, level of health care, and how to access care for persons from birth to death. Cross listed as HS 220. Prerequisite: HS 110 or consent of a cross-listed Department Chair (PT, FCS).	
FCS 231 Pattern Making	3 hrs.
Principles of flat pattern method; pattern alteration; original pattern design; completed garment. Prerequisite: FCS 133 or consent of instructor.	
FCS 233 Consumer Textiles	3 hrs.
Consumer-oriented study of textiles emphasizing fibers, yarns, fabric constructions, and finishes. Two hours of lecture and two hours of laboratory per week.	
FCS 246 Family Systems and Applications	3 hrs.
Study of family systems and management theory with application of concepts in the near environment of family and consumer. Prerequisites: FCS 140.	
FCS 300 Consumer Issues in America (Gen. Ed. SF)	3 hrs.
Personal finance, consumer credit, durable and non-durable goods and services, and consumer protection in the marketplace.	

FCS 301 Nutrition Today (Gen. Ed. TS)	3 hrs.
Problem-based learning approach to examine current issues and nutritional practices through exploration of underlying biochemical and physiological principles; formulation of personal diet and wellness plans. Prerequisites: jr./sr. standing; one college-level science course. Not open to students who have taken FCS 203 or 303.	
FCS 303 Nutrition	3 hrs.
Human energy and nutrient utilization and requirements as related to health and performance. Prerequisite: one of the following: BIO 121-124, CHM 100, CHM 110 & 111, or CHM 116 & 117.	
FCS 304 Sports and Exercise Nutrition	3 hrs.
Design of approximate diets for exercise and sports to enhance utilization and maximize performance. An integrative, case study approach. Prerequisites: junior standing.	
FCS 306 Community Nutrition	3 hrs.
Emphasis on community needs assessment, disease prevention programming, cultural nutrition practices, public and private nutrition policy, and community nutrition promotion. Prerequisites: FCS 220, 303.	
FCS 307 Life Cycle Nutrition	2 hrs.
Current issues in maternal, child, adolescent, and elderly nutrition with emphasis on nutrient requirements related to physiological changes, assessment of food security, and delivery of cost-effective quality nutrition. Prerequisites: FCS 104, 303.	
FCS 309 Investigation of Food Topics	3 hrs.
Group and individual investigation of and experimentation with scientific principles of food and research. Prerequisite: FCS 104.	
FCS 330 Fashion Merchandising	3 hrs.
Merchandising: organization, operation, and interrelationship of major facets of textile and clothing industry. Prerequisites: FCS 130, 233.	
FCS 331 Fashion Merchandising Laboratory	1 hr.
Experimental work related to fashion merchandising. Prerequisites: FCS 130, 233; concurrent enrollment in FCS 330.	
FCS 332 Advanced Clothing Construction	3 hrs.
Tailoring and experimental construction techniques in individual projects. Prerequisite: FCS 133 or consent of instructor.	
FCS 333 Advanced Textiles	3 hrs.
Principles of textile science, testing and quality analysis, standardized measurement and evaluation of quality, physical characteristics, and performance of textile products. Developing products and specifications. Prerequisites: MTH 111, FCS 133.	

- FCS 334 Visual Merchandising and Promotion** 3 hrs.
The investigation and application of various areas and methods of merchandise presentation to maximize the salability of merchandise. Prerequisites: FCS 330, 331.
- FCS 336 History of Fashion** 3 hrs.
Historic costume and relationship to contemporary dress; emphasis on design and current fashion.
- FCS 338 International Fashion Merchandising** 3 hrs.
Intensified study in major international fashion markets including fashion merchandising, public relations, advertising, and career opportunities. Prerequisite: FCS 233 or consent of instructor.
- FCS 341 Human Development Through the Lifespan** 3 hrs.
Physical, cognitive, emotional and social growth and development throughout the human lifespan. Not open to students with credit in PSY 304 or PSY 314.
- FCS 342 Child Development Laboratory** 3 hrs.
Practical experience working with 3 year olds. Prerequisite: FCS 341 or PSY 304 or ETE 225 or equivalent.
- FCS 357 Housing and Interior Design Concepts** 3 hrs.
Basic concepts of housing and interior design; emphasis on historic periods and their relationship to contemporary housing and furnishings.
- FCS 359 Applied Projects in Interior Design** 3 hrs.
Interior design with emphasis on cost considerations, room area, and atmosphere. Prerequisite: FCS 357.
- FCS 400 Senior Seminar in Family & Consumer Sciences** 1 hr.
Personal exploration of interrelated knowledge and professional competencies in family and consumer sciences; factors influencing research. Emphasis on family and consumer sciences as an integrated field of study. Prerequisites: senior standing; family and consumer sciences major or minor.
- FCS 401 Readings in Family & Consumer Sciences** 1-3 hrs.
Individual readings in specialized areas of family and consumer sciences for qualified students, under faculty supervision. Prerequisite: consent of department chair.
- FCS 402 Problems in Family & Consumer Sciences** 1-3 hrs.
Independent study in family and consumer sciences for qualified students, under faculty supervision. Prerequisite: consent of department chair.
- FCS 405 Food Service Systems** 3 hrs.
Menu planning, food production, and service in food service systems. Prerequisite: FCS 104 or consent of instructor.
- FCS 406 Issues & Trends in Foods & Nutrition** 1-3 hrs.
Topics of special interest which may vary each time course is offered. Topic and prerequisite stated in current Schedule of Classes. May be repeated under different topics for a maximum of six hours credit. Prerequisite: FCS 303 or consent of instructor.
- FCS 407 Nutrition Assessment** 2 hrs.
Evaluation of nutritional status by dietary assessment, anthropometric measures, and nutrition-related health indicators; body composition assessment and interpretation of clinical, laboratory, and dietary data; charting and health communications. Prerequisites: FCS 303.
- FCS 408 Management in Food Service** 3 hrs.
Management of human resources, finance, products, services, facilities and equipment, sanitation and safety, and marketing in food service. Prerequisites: FCS 104, BIO 202, Sanitation Certification.
- FCS 410 Advanced Nutrition** 4 hrs.
Biochemistry of energy and nutrient utilization in relation to human biological functions. Prerequisites: FCS 303; BIO 200; CHM 151, 152.
- FCS 411 Medical Nutrition Therapy** 4 hrs.
Dietary modification for specific disease states, treatment modalities, and drug interactions; emphasis on biochemical and pathophysiological rationale. Prerequisite: FCS 410; BIO 205.
- FCS 433 Issues and Trends in Apparel & Textiles** 3 hrs.
Topics of special interest which may vary each time course is offered. Topic stated in current Schedule of Classes. Course may be repeated for a maximum of 6 hours credit. Prerequisite: FCS 130 or 233 or consent of instructor.
- FCS 438 Global Issues in Textiles and Apparel** 3 hrs.
Evaluation of key issues facing textile and apparel business in global markets considering ethical, economic, political, and professional implications. Theoretical foundations of global sourcing. Prerequisites: ECO 100; FCS 133, 233, 300.
- FCS 440 Family Relations** 3 hrs.
Emphasis on man-woman relationship, marriage, and family interactions and reactions.
- FCS 460 Family & Consumer Sciences Internship** 3 hrs.
Integration of family and consumer sciences theory with applications in the workplace. Prerequisites: family and consumer sciences major; consent of department chair.
- FCS 461 Practicum in Foods and Nutrition** 3 hrs.
Selected practicum experience within a foods and/or nutrition related workplace. Prerequisites: family and consumer sciences major; consent of department chair.
- FCS 536 The World of Fashion** 2-6 hrs.
Intensified study in a major fashion market: merchandising, public relations, advertising, and career opportunities. May be repeated for a total of six hours. Prerequisites: 10 hours in clothing and textiles; or consent of instructor.
- FCS 585 Topics in Family & Consumer Sciences** 1-6 hrs.
Topics of special interest which may vary each time course is offered. Topic stated in current Schedule of Classes. Prerequisite: senior or graduate standing, and consent of instructor.

Department of Nursing

Approved by the Illinois Department of Financial and Professional Regulation (IDFPR).

Accredited by the National League for Nursing Accrediting Commission (NLNAC), 61 Broadway, New York, NY 10006 (212) 363-5555, ext. 153

FACULTY *Associate Professors Armmmer (chair) Cluskey (associate chair), Flannigan, Ruthman; Assistant Professors Baylor, Brubaker, Cenek, Erickson, Gard, Hinrichsen, Kookan, Jackson, Pearl, Steinwedel.*

The Department of Nursing offers an undergraduate curriculum leading to a Bachelor of Science in Nursing (B.S.N.). Graduates of the program are eligible for licensure as a registered nurse (R.N.) upon successful completion of the National Council Licensure Examination (NCLEX-RN).

The purpose of the program is to prepare graduates for the beginning practice of professional nursing in a variety of settings. To achieve this purpose, a four-year educational program is provided which includes foundation, elective, and supporting courses in the humanities, the social sciences, the sciences, mathematics, and the theory and practice of nursing. The nursing major is concentrated at the upper division level. The Department of Nursing faculty believes that professional nursing responds to the needs of society by helping persons, families, and communities through therapeutic nursing care, which encompasses health teaching, health maintenance, and health promotion. The professional nurse uses clinical judgment to assist clients in achieving optimal health and adapting to altered states of health. The nursing courses provide for the acquisition of knowledge and the development of attitudes, skills, and values essential to professional nursing practice.

The objectives of the curriculum are to prepare graduates for (1) professional growth and advancement through acquired knowledge and experience; (2) graduate study in a major field of concentration in nursing; and (3) continuous personal growth and development.

The faculty of the Department of Nursing reserves the right to revise policies and course requirements based upon changes in accreditation, licensure, and nursing practice.

Admission

Applicants must meet the admission requirements of the University and of the Department of Nursing. A personal interview with a member of the faculty of the Department of Nursing is highly desirable before admission.

Instruction and Requirements

Instruction is provided in classrooms and laboratories on the campus and in a variety of health care agencies in the community. Clinical experiences (practicum) are planned and supervised by Department of Nursing faculty members.

In addition to the fees and expenses listed in the University catalog, students majoring in nursing are financially responsible for the purchase and maintenance of uniforms, for certain practicum and laboratory supplies and materials, and for transportation between the campus and the community agencies where clinical experiences are provided.

Prior to enrollment in the first nursing course that includes a practicum, each student must show proof of

1. Liability insurance.
2. Immunity to rubeola (measles) by one of the following:
 - a. a rubeola (measles) immunization received in 1980 or later, or
 - b. written verification from a physician of having had the disease, or
 - c. a birth date prior to 1957.
3. Immunity to rubella (German measles) by one of the following:
 - a. written verification of having had the immunization, or
 - b. written verification of rubella titer.
4. Immunity to hepatitis B virus.
5. Tuberculin test (renewable annually).
6. Proof of current CPR (healthcare provider or professional rescuer) and first aid certification.

These requirements must be current for the entire academic year of enrollment in NUR 200, 203, 204, 206, 207, 306, 307, 308, 309, 314, 315, 316, 317, 404, 408, 409, 410, 414, 417, and 418.

In order to progress in the nursing program, students must pass the designated competency test(s) for each respective nursing course.

Graduation requirements include a course in statistics (MTH 111, QM 262, PSY 205, or ELH 510).

Students must maintain a 2.50 cumulative grade point average in order to enroll in nursing courses identified as "majors only."

Students must earn a grade of C or better in every required nursing course. Students must earn a grade of C or better in BIO 200 and 203 Anatomy and Physiology and lab,

College of Education and Health Sciences

BIO 205 Pathophysiology, and BIO 202 Microbiology.

Transfer students are evaluated for admission on an individual basis. A fifteen-year limitation on transfer credit will be imposed on courses in chemistry, physiology, microbiology, and nutrition.

Licensed nurses must meet the admission requirements of the University and of the Department of Nursing. Nurse applicants must submit a transcript from an approved school of nursing and verification of current Illinois licensure.

Registered nurses may earn up to 31 semester hours of credit for prior learning. Following completion of NUR 300, 303, and 310 with a minimum grade of "C" the registered nurse student may enroll in required senior nursing courses NUR 404, 417, 418, and 522.

The RN student will meet University requirements for general education, basic skills, junior/senior hours, and residency credit in order to graduate. The RN student will meet nursing department requirements for natural and social science courses, statistics, and nine hours of nursing electives. Sixty-six semester hours may be transferred from a community college.

Licensed practical nurses may earn up to 11 semester hours of credit for prior learning. Following completion of NUR 300 and 310 with a minimum grade of "C", the licensed practical nurse student may enroll in required junior nursing courses. Students majoring in nursing will pursue the following recommended curriculum:

Freshman Year

First Semester

COM 103 Oral Comm. Process	3
PSY 104 Principles of Psychology: Social Forces and Individual Behavior	3
CHM 100 Fund. of Gen. Chemistry	3
CHM 101 Fund. of Gen. Chemistry Laboratory	1
BIO 121 Life Science I	3
MTH 111 Elementary Statistics	3
—	16

Second Semester

ENG 101 Composition	3
CHM 151 Fund. of Organic Chemistry	2
CHM 152 Fund. of Biochemistry	2
^{1,2} BIO 202 Microbiology and Immunology	4
SOC 100 Soc. Perspective	3
Elective or General Education	2
—	16

Sophomore Year

First Semester

^{1,2} BIO 200 Anatomy and Physiology	3
^{1,2} BIO 203 Anatomy and Physiology Lab	2
^{1,2} NUR 200 Fundamentals of Nursing (T)	4
^{1,2} NUR 203 Fundamentals of Nursing (P)	2
^{1,2} FCS 303 Nutrition	3
—	14

Second Semester

^{1,2} BIO 205 Pathophysiology	3
^{1,2} NUR 204 Intro. to Health Assessment	2
^{1,2} NUR 206 Adult Health I: Intro. to Medical-Surgical Nursing (T)	3
^{1,2} NUR 207 Adult Health I: Intro. to Medical-Surgical Nursing (P)	2
PSY 304 Developmental Psychology	3
Elective or General Education	3
—	16

Junior Year

First Semester

¹ NUR 306 Maternal/Newborn Nursing (T)	3
¹ NUR 307 Maternal/Newborn Nursing (P)	2
¹ NUR 308 Nursing of Children (T)	3
¹ NUR 309 Nursing of Children (P)	2
NUR 318 Pharmacology & Nursing Implications	2
PSY 345 Abnormal Psychology	3
—	15

Second Semester

NUR 303 Research in Nursing	3
¹ NUR 314 Psychiatric/Mental Health Nursing (T)	2
¹ NUR 315 Psychiatric/Mental Health Nursing (P)	2
¹ NUR 316 Adult Health II: Medical-Surgical Nursing (T)	4
¹ NUR 317 Adult Health II: Medical-Surgical Nursing (P)	2
Elective or General Education	3
—	16

Senior Year

First Semester

NUR 404 Community Health Nursing (T)	2
NUR 408 Adult Health III: Medical-Surgical Nursing (T)	3
NUR 409 Senior Practicum I (P)	5
Jr. ENG Composition (ENG 300, 301, 304, 305, or 306)	3
Electives or General Education	3
—	16

Second Semester

NUR 410 Adult Health IV: Nursing Care of the Patient with Multi-System Challenges (T)	3
NUR 414 Senior Seminar I	1
NUR 417 Senior Practicum II (P)	5
NUR 418 Nursing Leadership (T)	1
Electives or General Education	5
—	15

¹Registered nurses may receive credit by examination for these courses.

²Licensed practical nurses may receive credit by examination for these courses.

College of Education and Health Sciences

Course Descriptions

NUR 100 Introduction to the Nursing Profession 1 hr.

Students explore contemporary issues within the nursing profession. Historical development of the roles in nursing, perspectives on current delivery of health care, nursing education, nursing literature, professional licensing, ethics, and legal issues will be discussed.

NUR 163 Health of the School Age Child 3 hrs.

School health services and health education; emphasis on health promotion and prevention of health related problems. Recognition and management of common health problems of the school age child.

NUR 200 Fundamentals of Nursing (Theory) 4 hrs.

Introduction to Nursing. Concepts and theories of individuals, society, and health. Nursing process as the basis for promoting wellness within the health care delivery system. Prerequisites: SOC 100, PSY 104, CHM 100, 150 or 151, 152. Corequisite: NUR 203 or consent of department chair.

NUR 203 Fundamentals of Nursing (Practicum) 2 hrs.

Selected practicum experiences correlated with theoretical content of NUR 200 (Fundamentals of Nursing) and applied to individual's adaptive responses. Prerequisites: majors only, sophomore standing, PSY 104, SOC 100, CHM 100, 150 or 151, 152. Corequisite: NUR 200 or consent of department chair.

NUR 204 Introduction to Health Assessment 2 hrs.

Students utilize previously learned communication techniques and newly learned physical assessment techniques to complete a comprehensive approach to health history and physical assessment. Significance of normal and abnormal findings is emphasized. Prerequisites: NUR 200, 203, BIO 200 (minimum grade of C), BIO 203 (minimum grade of C), FCS 303 or equivalent or consent of department chair. Corequisites: NUR 206, 207, PSY 304.

NUR 206 Adult Health I: An Introduction to Medical-Surgical Nursing (Theory) 3 hrs.

An introduction to medical-surgical nursing with emphasis on health promotion and restoration. Concepts and theories of nursing care of the adult are applied to foster the adaptive response of individuals. Prerequisites: majors only, BIO 200 (minimum grade of C), BIO 203 (minimum grade of C), NUR 200, 203. Corequisites: BIO 205 (minimum grade of C), NUR 204, 207, PSY 304.

NUR 207 Adult Health I: An Introduction to Medical-Surgical Nursing (Practicum) 2 hrs.

Selected practicum experiences correlated with theoretical content of NUR 206 (Adult Health 1) that foster adaptive responses. Prerequisites: majors only, BIO 200 (minimum grade of C), BIO 203 (minimum grade of C), NUR 200, NUR 203. Corequisites: BIO 205 (minimum grade of C), NUR 204, NUR 206, PSY 304.

NUR 217 Men's Health Issues 2 hrs.

Biological, epidemiological, psychological, and sociological aspects of men's health. Specific preventive and health promotion activities for health problems.

NUR 219 Women and Health 3 hrs.

Basic scientific and sociological knowledge related to women's health: social, emotional, and physiological components of selected health problems of women. Historical development of the health care system and social values as they relate to women and their health: evolution of health care today as it relates to women.

NUR 220 Alcohol: Use and Abuse 3 hrs.

Development of alcohol as the most widely-used drug. Psychological and physiological effects on the person; effect on the family and society; therapeutic approaches to alcohol abuse.

NUR 221 Substance Abuse 3 hrs.

Psychosocial and physiological impact of substance abuse on the individual, family, and society: self-awareness, culture, tolerance, withdrawal, and motivation.

NUR 233 Sexually Transmitted Diseases 1 hr.

Common sexually transmitted diseases: social and physical factors affecting their occurrence; avoidance and treatment.

NUR 263 Introduction to Personal & Community Health 3 hrs.

Introduction to health concepts and practices which affect individuals and groups in society.

NUR 300 Conceptual Bases for Professional Nursing (Theory) 3 hrs.

Theories of nursing, professional roles, the nursing process, adaptation theory, nursing research, and societal influences on nursing and health. Prerequisites: Illinois LPN or RN licensure; consent of department chair.

NUR 303 Research in Nursing 3 hrs.

As a consumer of research, the student evaluates published nursing research and its importance to the profession. The student examines steps of the research process in critiquing literature and writing a comprehensive review of literature. Use of the computer in nursing research correlated with study of the research process. Prerequisites: majors only, junior standing, ENG 101. Corequisite: Math 111 or equivalent.

NUR 306 Maternal-Newborn Nursing (Theory) 3 hrs.

Theoretical overview of maternal/newborn nursing with emphasis on application of the nursing process to individuals and families. Concepts and theories of nursing care of the expanding family are discussed to foster the adaptive responses. Prerequisites: NUR 204, 206, 207, PSY 304, FCS 303, BIO 202. Corequisites: NUR 307, PSY 345 or consent of department chair.

NUR 307 Maternal-Newborn Nursing (Practicum) 2 hrs.
Selected practicum experiences correlated with theoretical content of NUR 306 that foster patient/client adaptive responses. Prerequisites: NUR 204, 206, 207, PSY 304, FCS 303, BIO 202. Corequisites: NUR 306, PSY 345 or consent of department chair.

NUR 308 Nursing of Children (Theory) 3 hrs.
Nursing care of the child with emphasis on caring for the infant, toddler, child, adolescent, and family with acute and chronic disease. Growth and development, health promotion, and disease prevention are emphasized. Prerequisites: NUR 204, 206, 207, PSY 304, FCS 303, BIO 202. Corequisites: NUR 309, PSY 345.

NUR 309 Nursing of Children (Practicum) 2 hrs.
Selected clinical experiences correlated with theoretical content of NUR 308. Prerequisites: majors only, NUR 204, 206, 207, PSY 304, FCS 303, BIO 202. Corequisites: NUR 308, PSY 345, or consent of department chair.

NUR 310 Health Assessment 2 hrs.
Performance of a complete health assessment incorporating a health history, with faculty supervision. Prerequisites: Illinois RN licensure, consent of department chair, CPR certification.

NUR 314 Psychiatric/Mental Health Nursing (Theory) 2 hrs.
Theoretical overview of psychiatric/mental health nursing with emphasis on application of the nursing process to individuals, families, and the community. Concepts and theories of nursing care of the individual and family with psychiatric disorders are discussed to foster the adaptive response. Prerequisites: majors only, junior standing; PSY 345, NUR 200, 203, 206, 207. Corequisite: NUR 315.

NUR 315 Psychiatric/Mental Health Nursing (Practicum) 2 hrs.
Application of psychiatric/mental health nursing principles in health care settings. Concepts and theories of nursing care of the client and family with psychiatric disorders are utilized to foster the adaptive response. Prerequisites: majors only, PSY 345, NUR 200, 203, 206, 207. Corequisite: NUR 314.

NUR 316 Adult Health II: Medical-Surgical Nursing (Theory) 4 hrs.
Medical-surgical nursing with emphasis on selected physiologic systems. Concepts and theories of nursing care of the individual and family are applied to foster the adaptive response. Prerequisites: majors only; NUR 204, 206, 207. Corequisites: NUR 317, 318.

NUR 317 Adult Health II: Medical-Surgical Nursing (Practicum) 2 hrs.
Selected practicum experiences correlated with theoretical content of NUR 316 that foster adaptive responses. Prerequisites: Majors only; NUR 204, 206, 207. Corequisites: NUR 316, 318.

NUR 318 Pharmacology and Nursing Implications 2 hrs.
Introduction to pharmacology: nursing process and drug therapy; life span considerations; legal, ethical, and cultural issues; and patient education. Prerequisites: NUR 200, 203, 206, 207.

NUR 333 International Health and Nursing 3 hrs.
Study of health and nursing in another country: nursing and health organizations, educational programs, hospitals. Seminars in comparative health and nursing practices in the United States.

NUR 353 Aging: A Life Experience 3 hrs.
Attitudes about the aged, historical perspectives, transcultural concepts, health problems and health care, methods of coping with growing old, and prospects for the future. Practical experiences promote examination of students' own attitudes about the aged and growing old. Prerequisite: junior/senior standing.

NUR 372 Safety and Emergency Care 3 hrs.
Principles and techniques of emergency care for common injuries and illnesses. Environmental needs of individuals at various levels of maturity. Cardiopulmonary Resuscitation and First Aid cards awarded upon satisfactory completion.

NUR 376 Advanced Concepts in Health 3 hrs.
Complex health problems and issues in contemporary society; various concepts, models, theories, and determinants of health. Multi-disciplinary approach for application to individual and professional situations. Prerequisite: NUR 263 or consent of instructor.

NUR 391 Medical Terminology 1 hr.
Terminology used in all areas of medical and paramedical specialties. Emphasis on word building, techniques, and understanding typical medical reports. Cross listed as CHM 391. Prerequisites: 1 year college chemistry and 1 year college biology.

NUR 404 Community Health Nursing (Theory) 2 hrs.
Explores the role of the nurse in community settings. Applies principles of epidemiology, health promotion, and disease prevention to nursing practice. Examines core functions of public health nursing, essential services, and population-based practice. Prerequisites: NUR 316, 317, 318. Corequisites: NUR 409 or 417, NUR 408 or 410.

NUR 405, 406 Cooperative Education in Nursing (Theory) 0-1 hrs. each
Theory for nursing care of clients in a variety of health care settings. Prerequisites: senior standing; majors only; 2.5 GPA; consent of Co-op Nursing Advisor; and successful completion of Co-op interview. Corequisites for NUR 405: NUR 401, 411, 415. Corequisites for NUR 406: NUR 402, 412, 416.

College of Education and Health Sciences

NUR 408 Adult Health III: Medical-Surgical Nursing (Theory) 3 hrs.

Medical-surgical nursing with emphasis on selected physiologic systems. Concepts and theories of nursing care of the individual, family, and community are applied to foster the adaptive response. Prerequisites: majors only; NUR 316, 317, 318, BIO 205. Corequisites: NUR 409.

NUR 409 Senior Practicum I 5 hrs.

Selected practicum experiences, correlated with theoretical content of NUR 408 and/or 404, that foster adaptive responses. Prerequisites: majors only, NUR 316, 317, 318, BIO 205. Corequisites: NUR 404 and 408.

NUR 410 Adult Health IV: Nursing Care of the Patient with Multi-System Challenges (Theory) 3 hrs.

Medical-surgical nursing with emphasis on caring for the patient with multi-system challenges. Concepts and theories of nursing care of the individual, family, and community are applied to foster the adaptive responses. Prerequisites: majors only; NUR 403, 408, 409. Corequisites: NUR 415, 417, 418.

NUR 414 Senior Seminar: Preparation for Professional Nursing 1 hr.

Emphasis on NCLEX preparation, including the NCLEX-RN test plan, test taking skills, critical thinking skills, and computer usage skills for test-taking. Prerequisites: majors only, senior standing. Corequisite: NUR 410; not required for RNs.

NUR 417 Senior Practicum II 5 hrs.

Selected practicum experiences correlated with theoretical content of NUR 404, 410, and 418 that foster adaptive responses. Prerequisites: majors only; NUR 408, 409. Corequisites: NUR 410, 418.

NUR 418 Nursing Leadership: Concepts & Issues 1 hr.

Emphasis is on application of the leadership and management principles and the identification of common ethical issues that arise in health care settings. Discussion includes the nurse's role in the legislative process to facilitate change in nursing practice. Prerequisites: majors only; senior standing; NUR 303. Corequisites: NUR 410, 417.

NUR 415, 416 Cooperative Education in Nursing (Practicum) 0-2 hrs. each

In-depth practicum in a variety of health care settings, integrated with theory. Prerequisites: senior standing; majors only; 2.5 GPA; consent of Co-op Nursing Advisor; and successful completion of Co-op interview. Corequisites for NUR 415: NUR 401, 405, 411. Corequisites for NUR 416: NUR 402, 406, 412.

NUR 419, 420 Independent Studies in Nursing 1-3 hrs.

Individual study addressing special needs and interests: selected readings, observations, and conferences. Prerequisites: NUR 303; majors only; senior standing; consent of advisor and department chair.

NUR 421 Role Exploration in Professional Nursing 2 hrs.

Focuses on integrating the nursing roles of caregiver, support agent, colleague, advocate, collaborator, client educator, leader, manager, and researcher in clinical practice. Taken the last year of the curriculum, the course synthesizes content presented in previous courses. Students are placed in specialty areas according to individual preferences and learning needs. Prerequisites: majors only, senior standing; 3.0 GPA; consent of instructor and advisor, NUR 408, 409. Corequisite: NUR 410, 417.

NUR 500 Health Assessment 3-4 hrs.

Systematic method for collecting data used in holistic health assessment of children and adults. Interviewing techniques for history taking; physical assessment skills. Prerequisites: R.N. with B.S. major in nursing; or R.N. with consent of instructor.

NUR 522 Seminar on Nursing & Public Policy 3 hrs.

Nursing activities and organizations affecting practice, health care, public policy, and the future of the profession. Emphasis on generating recommendations for the profession and developing a personal professional plan for participating in the process that develops public policy at the local, state, national, and/or international level. Prerequisites: nursing majors and senior or graduate status; or consent of instructor.

NUR 533 Seminar in International Health and Nursing 3 hrs.

Study of healthcare systems and nursing in a foreign country in selected hospitals, healthcare settings, and universities. Establishing healthcare professional and research networks.

Department of Physical Therapy and Health Science

FACULTY Associate Professors Mays (chair), Strubhar, Tippet; Assistant Professors S. Bertram, Hall, McGehee (ACCE), Neelly, Peterson, Pratt
Coordinator of Health Science Advising and Academic Experiences: R. Bertram

The Department of Physical Therapy and Health Science offers a Bachelor of Science degree with a health science major in addition to a Doctor of Physical Therapy (D.P.T.) degree. **For more information regarding the D.P.T. degree, please refer to the Graduate Catalog.**

Mission

The mission of the Department of Physical Therapy and Health Science is to prepare undergraduate students to enter careers in the health care industry or to enter graduate education in health related fields, and to prepare graduate students as general practitioners in Physical Therapy.

Vision

The Department of Physical Therapy and Health Science will strive to build a balanced environment of teaching, research, service and practice, which will prepare students to live and work productively in a diverse and ever-changing society.

Health Science Major

The Health Science major provides students with an excellent preparation for a doctoral degree program in physical therapy, as well as with multiple opportunities for entry-level positions in the health care industry. This is an "inter-collegiate" program with classes taught by faculty from all five colleges at Bradley: Foster College of Business Administration, Slane College of Communications and Fine Arts, College of Education and Health Sciences, College of Engineering and Technology, and College of Liberal Arts and Sciences. (For course descriptions, see the catalog section for the department offering the course.)

The curriculum is designed to assist students in developing skills in communications and problem solving, acquiring knowledge and experience as health care consumers, as well as future health care industry employees, and accepting responsibility for pursuing learning over a lifetime. These skills are valuable for any position students may hold in the future.

Students also select a minor or concentration related to their interests. Sample areas are biology, business, chemis-

try, communication, computer science, ergonomics, foreign language, physics, psychology, sociology.

Admission Requirements

In addition to University and College of Education and Health Sciences requirements, the following are recommended for students to receive full consideration for admission to the Health Science major as a freshman:

1. a minimum of three years of high school mathematics and high school science (biology/physiology, chemistry, and physics are recommended);
2. ACT minimum score of 24 composite or SAT minimum score of 1100.

Health Science Options

Health Science majors can choose from a wide variety of courses in addition to major and minor requirements. Students may use the program's flexibility to explore a variety of interests or may focus their electives around a particular emphasis. Listed under the following emphases are suggestions of elective courses that a student could complete to pursue a particular area of interest.

- Physical Therapy
- Pediatrics / Child Development
- Healthcare Administration
- Pre-Healthcare Professions
- Community Health Education
- Ergonomics

Physical Therapy

The core courses within the Health Science major are designed to prepare a student to meet prerequisite requirements for most entry-level graduate programs in physical therapy. Students who wish to apply to graduate programs other than Bradley's should be aware of those programs' specific requirements.

The Health Science major requires that students complete a minor or 12-hour concentration, approved by the Department of Physical Therapy and Health Science. Students, in the past, have minored in a variety of areas, including: business, biology, chemistry, Spanish, music, and art, along with many others. Students pursuing physical therapy are advised not to approach their preparation for graduate school with the perception that there is "one best" set of courses to take outside of the core prerequisites. Most programs, in fact, want a diverse student group who are prepared in a variety

College of Education and Health Sciences

of different ways. While the Health Science major requires a minor or concentration, students may find that they actually have time to pursue a second major.

Pediatrics / Child Development

Suggested Electives:

NUR 163 Health of the School Aged Child
 FCS 203 Health, Safety, and Nutrition
 FCS 341 Human Development Through the Lifespan
 FCS 342 Child Development Laboratory
 FCS 440 Family Relations
 PSY 104 Principles of Psychology
 PSY 304 Developmental Psychology

Healthcare Administration

Suggested Electives:

ATG 157 Accounting Principles
 BMA 352 Managing in Organizations
 MTG 315 Principles of Marketing
 FIN 322 Business Finance
 ECO 221 or 100 Principles of Economics
 Students pursuing this emphasis may also wish to consider the minor in either Business Studies or Business Administration.

Pre-Health Professions

Students majoring in Health Science may wish to pursue any number of healthcare professions including: occupational therapy, athletic training, physician assistant, speech/audiology, medical school, and chiropractic medicine. Appropriate courses, along with observation within the field, will vary depending on the profession and the specific graduate program to which the student wishes to apply.

Community Health Education

Suggested Electives:

NUR 263 Introduction to Personal & Community Health
 SOC 341 Applied Medical Sociology
 SOC 343 Sociology of Mental Health
 SW 250 Introduction to Social Welfare
 Students pursuing this emphasis may also wish to consider the multimedia minor.

Ergonomics

Suggested Electives:

IME 386 Industrial and Managerial Engineering
 IME 570 Selected Topics in Industrial and Manufacturing Engineering
 IME 587 Occupational Safety and Health
 IME 585 Human Factors Engineering
 Students pursuing this emphasis may also wish to consider the applied ergonomics minor.

Opportunities

The faculty of the Department of Physical Therapy and Health Science have worked with several hospitals to determine the qualifications they desire in applicants for certain positions. We have found that hospital administrators would like to have applicants with a general health science background as well as a specific area of concentration or minor. Sample concentrations or minors might include communications (patient manager, insurance case manager); computer science (information systems manager); business (business office, assistant to a development officer); science (research assistant); and engineering (research assistant or biomedical technician). Other minors may also serve health science majors well.

In addition, the Health Science major can be used as preparation for various graduate programs (e.g., physical therapy, occupational therapy, human service administration, community counseling). Graduate programs in these areas (except for occupational therapy) are offered at Bradley University.

Required Courses

BUS 100 Contemporary Business	3
BIO 123, 124 Principles of Biology I, II	8
BIO 200, 203 Human Anatomy & Physiology (with lab)	5
BIO 205 Pathophysiology	3
CHM 110 & 111; CHM 116 & 117 General Chemistry I, II	9
MTH 115 or 121 Calculus I	4
PHY 107, 108 General Physics I, II	8
ELH 310 Statistical Procedures or	
PSY 205 Quantitative Methods*	3
FCS 303 Nutrition	3
ELH 370, 375 Human Relations Development (with lab)	3
HS 110 Introduction to Health Science	1
HS 320 Fundamentals of the Health Sciences	3
HS/ETE 402 Educational Methods, Strategies, and Evaluation Techniques	3
HS 460 Basic Science of Human Movement	3
HS 480 Motion Analysis	3
<i>Plus two of the following:</i>	
HS/FCS 220 Consumer Issues in Health Care	3
NUR 217 Men's Health Issues	2
NUR 219 Women and Health	3
Total	67-68

*Health science students will take ELH 310 unless they are minoring in psychology. Psychology minors may take ELH 310 or PSY 205.

At least 124 credit hours are required for the bachelor's degree, with at least 40 credit hours at the 300 level or above. Students must also meet University general education requirements.

Health Science majors are required to take a minor or a 12- hour academic concentration, chosen in consultation with advisors in the physical therapy department and in the minor/concentration department.

Sample Curriculum

Freshman Year—Fall Semester

BIO 123 Principles of Biology I	4
CHM 110 General Chemistry I.....	3
CHM 111 General Chemistry I Lab	1
MTH 115 or 121 Calculus I.....	4
Gen. Ed. (recommend ENG 101 or COM 103).....	3
HS 110 Intro to Health Science.....	1
—	—
	16

Freshman Year—Spring Semester

BIO 124 Principles of Biology II.....	4
CHM 116 General Chemistry II.....	4
CHM 117 General Chemistry II Lab	1
Gen. Ed. (recommend ENG 101 or COM 103).....	3
Gen. Ed. (SF).....	3
HS/FCS 220 Consumer Issues in Health Care	3
—	—
	18

Sophomore Year—Fall Semester

BUS 100 Contemporary Business	3
PHY 107 General Physics I	4
NUR 217 Men's Health Issues or NUR 219 Women & Health.....	2-3
Elective or Minor Course.....	3
Gen. Ed. (FA).....	3
—	—
	15-16

Sophomore Year—Spring Semester

PHY 108 General Physics II.....	4
ELH 310 Statistical Procedures in Health Sciences or PSY 205 Quantitative Methods	3
Gen. Ed. (SF).....	3
Gen. Ed. (WC).....	3
Elective or Minor Course.....	3
—	—
	16

Junior Year—Fall Semester

Minor Courses.....	6
HS 320 Fundamentals of the Health Sciences	3
Gen. Ed. (C2)	3
BIO 200 Human Anatomy & Physiology.....	3
BIO 203 Human Anatomy & Physiology lab	2
—	—
	17

Junior Year—Spring Semester

Elective or Minor Courses.....	6
Gen. Ed. (NW).....	3
BIO 205 Pathophysiology	3
FCS 303 Nutrition	3
—	—
	15

Senior Year—Fall Semester

Elective or Minor Courses.....	9
HS/ETE 402 Educ Meth, Strat, Eval.....	3
HS 460 Basic Science of Human Movement.....	3
—	—
	15

Senior Year—Spring Semester

Electives Minor Courses	6
ELH 370 Human Relations Development	2
ELH 375 Human Relations Development - Lab	1
HS 480 Motion Analysis.....	3
Gen. Ed. (HL or HP)	3
—	—
	15

Course Descriptions

HS 110 Introduction to Health Science 1 hr.

Health care professions, terminology, concepts in health science, and basic knowledge and skills of those in health science. Prerequisite: HS major or consent of department Chair.

HS 220 Consumer Issues in Health Care 3 hrs.

Possible care obtained, level of health care, and how to access care for persons from birth to death. Cross listed as FCS 220. Prerequisite: HS 110 and HS major or consent of a cross-listed Department Chair (PT, FCS).

HS 306 Health Science Applications for Sports and Exercise 3 hrs.

Integration of the understanding of basic human structure and function with common conditions that impact the physical performance of active and healthy individuals. Prerequisites: BIO 200, 203.

HS 320 Fundamentals of the Health Sciences 3 hrs.

The practical applications of biology, chemistry, and physics in the health sciences. Prerequisites: BIO 123, 124; CHM 110, 111, 116, 117; PHY 107, 108; HS major or consent of department chair.

HS 402 Educational Methods, Strategies, and Evaluation Techniques 3 hrs.

Designed to increase theoretical knowledge and practical skill for teaching persons with different learning styles. Classroom experiences include a focus on methods, strategies, and evaluation techniques to meet different learning styles. Cross listed as ETE 402. Prerequisite: HS or ETE major or consent of instructor.

HS 425 Independent Study 1-3 hrs.

Individual study and investigations through selected readings, discussion, and/or written assignment(s). May be repeated up to a total of three hours. Prerequisite: health science major and/or permission of the Department of Physical Therapy chair.

HS 460 Basic Science of Human Movement 3 hrs.

Basic science principles and functional applications that govern function of normal musculoskeletal system. Prerequisite: HS major or consent of PT Department chair.

HS 480 Motion Analysis 3 hrs.

Analysis of the kinetics and kinematics of human motion from a variety of engineering and physical therapy perspectives. Prerequisite: HS major; HS 320; HS 460; or consent of PT Department Chair.