

College of Human Development and Education

www.ndsu.edu/bde

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Virginia Clark Johnson, Dean

The College of Human Development and Education was established in July 1992. There are four academic units in the college: Apparel, Design, Facility and Hospitality Management; Child Development and Family Science; Education; and Health, Nutrition and Exercise Sciences. The Center for 4-H Youth Development also is a part of the college. Students are prepared for careers in education, colleges and universities, business and industry, community services, hospitals and health care facilities, and public and private programs concerned with design, human welfare, fitness, and recreation.

Mission

The mission of the College of Human Development and Education is to provide educational programs and conduct research and other scholarly activities that focus on the lives of individuals and their families as they interact in work, educational, and living environments.

Opportunities are provided to broaden the student's understanding and appreciation of the aesthetic, cultural, economic, physical, psychological, and social elements that influence individual and family well-being. Programs are designed to help each student develop professional competencies, attain a liberal education, and relate the learnings from the basic disciplines to various applications.

Accreditation

The Center for Child Development is accredited by the National Association for the Education of Young Children. The Couple and Family Therapy program is accredited by the Council on Accreditation for Marriage and Family Therapy Education. The Athletic Training program is certified by the National Athletic Training Association. Education programs are accredited by the National Council for Accreditation of Teacher Education and approved by the North Dakota Education and Standards Practice Board. The School Counseling and Community Counseling programs are accredited by the Council for the Accreditation of Counseling and Related Educational Programs. The Food and Nutrition (dietetics) program is accredited by the American Dietetic Association. The Interior Design program is accredited by the Foundation for Interior Design Education Research and the Facility Management curriculum meets guidelines set by the International Facility Management Association. The Human Performance and Fitness program is endorsed by the American College of Sports Medicine. Family Financial Planning is approved by the Certified Financial Planner (CFP) Board of Standards. Hospitality and Tourism Management is accredited by the International Council on Hotel, Restaurant, and Institutional Education.

Degree Programs

Undergraduate programs in the college lead to a Bachelor of Science or a Bachelor of Arts degree. Recommendation of candidates for teacher



certification also rests within this college through the School of Education.

Graduate study leading to a Master of Science degree is offered in Child Development and Family Science, Counseling and Guidance, Educational Administration, Sport and Recreation Management, Exercise Science, Nutrition, Physical Education, Sport Pedagogy, and Teacher Education. A Master of Education degree may be earned through Health, Nutrition and Exercise Sciences and the School of Education. A graduate minor also is available in several of the preceding units. Doctoral programs are offered by the college in Human Development and in Education. The Human Development program (Ph.D.) has an interdisciplinary approach, which allows students to focus on one of three tracks: Wellness, Counselor Education, or Applied Gerontology. The doctoral program in Education (Ph.D. or Ed.D.) has a cross-disciplinary emphasis, which allows students a choice between two options: Institutional Analysis and Occupational and Adult Education. For more complete details, see the Graduate Bulletin online at www.ndsu.edu/gradschool/bulletin/index.shtml.

Degree Requirements

Students enrolled in major programs in the college are required to follow curriculum guidelines, available in the Dean's Office of the college (255 EML) or department offices, for each of the curriculum options and majors. Course requirements in each program fulfill university, college, and departmental requirements. Refer also to graduation requirements and related information listed earlier in the Academic Policies section.

All undergraduate degree candidates must apply for graduation through the Office of Registration and Records according to university procedures and deadlines.

Courses taken pass/fail will not be used to satisfy any requirements other than total credits.

Departments may have additional restrictions. Approval must be obtained and processed during the first three weeks of the regular semester. Once processed, a course cannot be changed back to regular grading.

MATH 099 and 102 are developmental courses and will not count toward credits for graduation in any program.

General college requirements for the two undergraduate degrees extend beyond the minimum university general education requirements. An advisor should be consulted for specific courses. Students also are encouraged to follow their own interests in choosing electives that go beyond the minimum requirements. Minimum requirements for each degree include the following:

Bachelor of Science degree

<i>General Education:</i>	<i>Credits</i>
First-year experience	1
Communication	9
COMM 110	(3)
ENGL 110, 120	(6)
Quantitative Reasoning	3
MATH 104, 146 or higher, CSCI 122, CSCI 125, <i>or</i> STAT 330	10
Science & Technology	10
A laboratory course must be taken as a corequisite with one course.	
Humanities & Fine Arts	6
Social & Behavioral Sciences	6
Wellness	2

Requirements also include a course in cultural diversity, a course in global perspectives, and integration of the following within existing courses: computer usage, communication activities in upper-division major courses, comprehension of personal and professional ethics, and a capstone experience.

These courses, professional courses for the major, and electives must total a minimum of 122 credits to meet degree requirements.

Bachelor of Arts Degree

In addition to all of the preceding requirements listed for the Bachelor of Science degree, Bachelor of Arts degree requirements also include the following:

- Six (6) additional credits of humanities and social behavioral sciences
- Two years of one modern foreign language at the college level or equivalent

Students with two units/years of a foreign language in high school should enter the second year college-level language course. Students with four or more units/years of a foreign language in high school or college will be considered to have completed the language requirement.

Curriculum Majors and Options

Apparel and Textiles
 Apparel Studies Option
 Athletic Training
 Child Development and Family Science
 Community Health Option
 Dietetics
 Elementary Education (Offered via VCSU)
 Facility Management
 Health Education
 Hospitality and Tourism Management
 Human Performance and Fitness
 Interior Design
 Physical Education
 Recreation Management
 Retail Merchandising Option
 School Health Option
 Therapeutic Recreation Option

Secondary Education:

Agricultural Education
 Biological Sciences
 Chemistry
 Comprehensive Science Education
 Earth Science
 English
 Family and Consumer Sciences Education
 French
 Health Education
 History
 Mathematics
 Music (K-12)
 Physical Education (K-12)
 Physics
 Social Science
 Spanish
 Speech Communication

Elementary Education: An Elementary Education program is available through the cooperation of Valley City State University, the degree-granting institution for this program. This degree program may be completed concurrently with a CDFS major from NDSU.

Minors

A minor is a similar grouping of courses in which the university requires a minimum of 16 credits. (At least eight credits of the minor must be taken at NDSU.) Departments may require more credits for their minors. For the minors to be awarded, students must complete a minor verification form. Information on specific minors may be obtained in the Dean's Office (255 EML). Minors offered in the college are: Individual and Family Wellness; Child Development and Family Science; Apparel and Textiles; Interior Design; Facility Management; Hospitality and Tourism Management; Health Education; Nutrition; Physical Education; Coaching; and Extension Education.

Interdisciplinary Minors

Interdisciplinary study involves an integration of more than one perspective on a topic. Programs in two interdisciplinary minors are available: Gerontology and Women's Studies.

Gerontology Minor

The College of Human Development and Education and the College of Arts, Humanities, and Social Sciences at NDSU sponsor this program. Tri-College University resources are used to provide students with an integrated understanding of the process of aging, aging services, and the aged in America. There are six basic areas of study. Students should follow the directions provided for each of the areas.

Note: CC = Concordia College
 MSUM = Moorhead State University Moorhead
 NDSU = North Dakota State University

Credits

Area 1: Social Gerontology
 SOC 440, Sociology of Aging 3

Area 2: Developmental Psychology of Aging

Select one of the following courses:
 CDFS 460, Adult Development & Aging 3
 PSYC 471, The Psychology of Aging 3

Area 3: Wellness & Aging

CDFS 182, Wellness & Aging 3

Area 4: Macrosystems

Select one of the following courses:
 CDFS 481, Women & Aging 3
 CDFS 482, Family Dynamics of Aging 3

Area 5: Internship/Practicum

Each student must complete the equivalent of three semester credits of internship-practicum. Please contact Dr. Dan Klenow or Dr. Greg Sanders for details.

Note: Students who have completed an internship related to Gerontology for their current major can request to substitute their credits of elective course work from Area 6.

Area 6: Electives

One additional elective course is required for the minor. Select this course from the following list.

CDFS 357, Personal & Family Finance 3
 CDFS 491, Seminar/Aging related. 1-3
 H&CE 468, Family Life & Adult Educ Programs 3
 HNES 452, Nutrition, Health, & Aging. 3
 SOC 426, Sociology of Medicine 3
 SOC 441, Sociology of Death 3
 SOC 442, Current Issues in Medicine. 3
 SOC 491, Seminar/Aging related Var
 Total minimum 18

Women's Studies Minor

The Women's Studies minor is an interdisciplinary program appropriate as a complement to various majors. This minor is particularly useful in acquiring perspectives that complement traditional studies for developing leadership roles or for pursuing careers that involve women's concerns. A student selecting this minor must complete the following requirements:

Required core courses: **Credits**
 WS 350, Perspectives in Women's Studies 3

And three of the following courses:
 ADFH 382, Women in Management 3
 CDFS 242, Couples, Marriages & Family. 3
 CDFS 468, Families & Work 3

COMM 412, Gender & Communication 3
 ENGL 330, British/American Women Writers. 3
 ENGL 331, Contemporary Women Writers. 3
 HIST 260, Women in America 3
 POLS 350, Gender Issues & the Law. 3
 POLS 351, Women & Politics 3
 SOC 412, Sociology of Sex Roles 3
 SOC 413, Sociology of Work 3
 SOC 424, Feminist Theory & Discourse 3

Other appropriate courses if approved by the coordinator of the Women's Studies program.

Elective courses (Additional credits, for a total of 18 credits including any course(s) listed on pg. 71, but not taken for core credit)

Credits

CDFS 230, Life Span Development. 3
 CDFS 353, Children, Families, & Public Pol 3
 CDFS 462, Family Crisis 3
 CDFS 475, Children & Families Across Cultures. 3
 ENGL 335, Multicultural Writers. 3
 HIST 259 Women in European History 1400-1800. 3
 HIST 265, Families in America 3
 PSYC 210, Human Sexuality 3
 PSYC 250, Developmental Psychology. 3
 SOC 202, Minorities & Race Relations 3
 SOC 417, Sociology of the Family 3
 SOC 439, Social Change 3
 WS 491¹, Women's Week of Awareness 1
 494 Independent Study in appropriate area 1-3
 Total minimum 18

At least three credits must be taken in each of the two colleges offering the minor — the College of Human Development and Education and the College of Arts, Humanities and Social Sciences.

¹ Women's studies credits are linked with Women's Week participation and course work, and they must be approved by the Women's Studies coordinator.

Special Opportunities

Special opportunities available to students in the college include the following.

Professional Organizations

Student chapters of professional organizations are available for membership in accordance with their respective bylaws:

American Association of Family and Consumer Sciences (AAFCS)
 American Society of Interior Designers (ASID)
 Association for Leisure and Recreation
 Child Development and Family Science Club
 Eta Sigma Delta (honorary)
 Fashion, Apparel, and Business Organization (FABO)
 Health, Nutrition and Exercise Sciences Organization
 Hospitality Student Association
 International Facility Management Association (IFMA)
 Phi Upsilon Omicron (honorary)
 Student Dietetic Association (SDA)
 Student North Dakota Education Association (SNDEA)

Additional information is available from the Student Services Office in the college (255 EML).

Dean's Student Advisory Council

The Dean's Student Advisory Council acts as a liaison organization between the student body, the faculty, and the Dean of the College of Human Development and Education. The council assists in the promotion of the college. The Director of Student Services and Development recommends the students to the Dean. Their selection is based on academics and a willingness to participate. Student members represent each of the four units in the college.

Student Advisors

Although each student in the college is assigned a faculty advisor, selected students supplement and complement the existing faculty advisory system. The student advisor program is designed to help incoming and transfer students make the best possible academic and social adjustments to the college and the university. Applications for student advisors are reviewed and selected each spring. Information is available in the Student Services Office of the college (255 EML).

Cooperative Education Program

Cooperative Education, a program of the Career Center, offers undergraduate and graduate students an opportunity to integrate classroom study with paid, career related work experience for academic credit. Work may be full or part time. Credit is granted through Continuing Education and awarded directly by the Cooperative Education program. A Cooperative Education experience may substantially improve students' employment opportunities after graduation.

Department of Apparel, Design, Facility and Hospitality Management

www.ndsu.edu/adfbm

Students graduating with majors in Apparel and Textiles, Facility Management, Hospitality and Tourism Management, or Interior Design have a general education and specialized career preparation. Interdisciplinary curricula in the Department of Apparel, Design, Facility and Hospitality Management may build upon economics and business, art, behavioral sciences, or natural sciences. The department offers four majors: Apparel and Textiles, Facility Management, Hospitality and Tourism Management, and Interior Design. Two options are available within Apparel and Textiles: apparel studies and retail merchandising. The retail merchandising option offers two emphasis areas: interior retail merchandising and textile product retail merchandising. There are two options available within Hospitality and Tourism Management: hospitality and tourism management lodging and hospitality and tourism management restaurant management. Minors are available in each program. For more information about any of the programs, contact the department. New students are advised to contact the department prior to beginning their college work.

Enrichment Opportunities

The department supplements classroom learning through structured field experiences to fashion and design centers. Field trips to Minneapolis, New York City, Kansas City, Chicago, and cities in Europe are scheduled at least biannually; others are scheduled as needed.

Professional enrichment is possible through departmental affiliation with the Fashion Institute of Technology, New York City, or various Study Abroad programs. NDSU students who attend these institutions for a semester or a year gain valuable experience in a fashion or interior design environment. Students should prepare to do this experience during their junior and/or senior year. Additional information about these programs is furnished upon request.

Apparel and Textiles Major

Students are prepared for a variety of careers in the apparel and textile industry that range from product conception through distribution to the consumer. The Apparel and Textiles program focuses on both national and international aspects of the apparel and textile industry. This includes product development, manufacturing, quality control, wholesaling, retail merchandising, marketing, and product preservation.

Note: Apparel and Textiles transfer courses from other institutions must have grades of C or better to be accepted for the Apparel and Textiles program at NDSU.

Apparel Studies Option: Prepares students for careers in theatre costuming, costume curatorship, fashion journalism, product development, and other aspects of the fashion industry, depending on their focus. Students who choose this option must earn a minor from another department. For example, to pursue a museum position as a costume curator, a minor in Public History should be chosen.

Retail Merchandising Option: Prepares students for buying, promotion, and retail or human resource management in retail stores. A minor in Business Administration and a field experience to reinforce classroom instruction are required with this option. Students have flexibility in creating a program focus by selecting one of the following emphasis areas:

Interior Retail Merchandising Emphasis Area: Prepares students for career opportunities in retail and wholesale home and office furnishing businesses.

Textile Product Retail Merchandising Emphasis Area: Prepares students for introductory management or buying positions in retail.

Fashion Institute of Technology Affiliation

The department has an arrangement with the Fashion Institute of Technology (F.I.T.), New York City, where a qualified student may attend that institution for a semester or a full year as a visiting student. The credits earned at F.I.T. will transfer to NDSU and will count toward graduation requirements. Students participating in the one-year visiting student program earn an associate degree from F.I.T.

During the second year of study at NDSU, interested students should consult with their advisors to ensure full consideration of their application for the F.I.T. visiting student program. Application should be made at least one year in advance. Students who participate in this program spend their last year of study attending F.I.T.

Recommended Curriculum Apparel and Textiles Major Apparel Studies Option

	Credits	
	F	S
First Year		
ADFH 150, Design Fundamentals-Lecture	3	-
ADFH 171, Fashion Dynamics	3	-
ADFH 172, Product Development	3	-
HD&E 189, Skills for Academic Success	1	-
ENGL 110, College Composition I	3	-

ENGL 120, College Composition II	3	-
PSYC 111, Intro to Psychology or		
SOC 110, Intro to Sociology	3	-
CSCI 116, Business Use of Computers or		
CSCI 114, Microcomputer Packages	3-4	-
COMM 110, Fund of Public Speaking	3	-
MATH 104, Finite Mathematics or		
MATH 146 or higher	3	-
Humanities Elective	3	-
Totals	13-14	18

Second Year

ADFH 155, Apparel Construction & Fit or		
ADFH 370, Sewn-Prod Manufact & Anal	3	-
ADFH 271, Visual Merchandising & Promo	3	-
ADFH 281, Aesthetic Anal in Bus & Society	3	-
COMM 216, Intercultural Comm or		
Alternative	3	-
ECON 105, Elements of Economics	3	-
COMM 200, Intro to Media Writing or		
Alternative	3	-
Humanities Elective	3	-
Science and Technology, Lab	3,1	-
Elective	3	-
Totals	15	13

Third Year

ADFH 366, Textiles	3	-
ADFH 367, Textiles Laboratory	1	-
ADFH 310, History of Fashion	3	-
ADFH 385, Global Fashion Economics	3	-
ADFH Elective	3	-
ADFH Elective	3	-
ADFH Elective	3	-
Minor Course	3	-
Minor Course	3	-
HD&E 320, Professional Issues	1	-
Elective	3	-
Science and Technology	3	-
Totals	16	16

Fourth Year

ADFH 410, Dress in World Cultures	3	-
ADFH 481, A & T Capstone Experience	3	-
ADFH 486, Dress & Human Behavior	3	-
ADFH 491, Seminar	1	-
ADFH 496, Field Experience	1	-
Elective	3	-
ADFH Elective	3	-
Wellness	2	-
ADFH Elective	3	-
Minor Courses	6	-
Minor Course	4	-
Totals	17	15

Curriculum Total 123

Recommended Curriculum Apparel and Textiles Major Retail Merchandising Option

Interior Merchandising Emphasis

	Credits		
	F	S	
First Year			
ADFH 150, Design Fundamentals-Lecture	3	-	
ADFH 151, Design Fundamentals-Studio	3	-	
ADFH 160, Interior Design Fac Mgmt Careers	1	-	
ADFH 161, Interior Graphics I	3	-	
ADFH 171, Fashion Dynamics	3	-	
ADFH 172, Product Development	3	-	
HD&E 189, Skills for Academic Success	1	-	
COMM 110, Fund of Public Speaking	3	-	
ENGL 110, College Composition I	3	-	
ENGL 120, College Composition II	3	-	
MATH 104, Finite Mathematics	3	-	
Totals	14	15	

Second Year

ADFH 250, Interior Design I-Lecture	3	-
ADFH 251, Interior Design I-Studio	3	-
ADFH 271, Visual Merchandising & Promo	3	-

Elective	3	-
ACCT 102, Fund of Accounting	3	-
CSCI 116, Business Use of Computers or		
CSCI 114, Microcomputer Packages	3-4	-
PSYC 111, Intro to Psychology	3	-
COMM 200, Intro to Media Writing or		
Alternative	3	-
ECON 105, Elements of Economics	3	-
Science & Technology	3	-
Totals	15	15-16

Third Year

ADFH 315, History of Interiors I	3	-
ADFH 366, Textiles	3	-
ADFH 367, Textiles Lab	1	-
ADFH 316, History of Interiors II	3	-
BUSN 350, Found of Management	3	-
BUSN 360, Found of Marketing	3	-
COMM 216, Intercultural Comm or		
Alternate	3	-
HD&E 320, Professional Issues	1	-
Humanities Elective	3	-
Humanities Elective	3	-
BUSN Elective	3	-
Elective	3	-
Totals	16	16

Summer

ADFH 496, Field Experience	3	-
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Fourth Year

ADFH 372, Global Retailing	3	-
ADFH 470, Retail Financial Mgt & Control	4	-
ADFH 481, Apparel & Textiles Capstone Exp	3	-
ADFH 491, Seminar (Apparel & Textiles Topic)	1	-
ADFH 496, Field Trip	1	-
BUSN 362, Found of Retailing	3	-
BUSN Elective	3	-
BUSN Elective	3	-
Science & Technology, Lab	3,1	-
Wellness	2	-
STAT 330, Intro Statistics	3	-
Totals	17	13

Curriculum Total 122-125

Recommended Curriculum Apparel and Textiles Major Retail Merchandising Option

Textile Product Merchandising Emphasis

		Credits	
	F	S	
First Year			
ADFH 150, Design Fund-Lecture	3	-	
ADFH 171, Fashion Dynamics	3	-	
ADFH 172, Product Development	3	-	
HD&E 189, Skills for Academic Success	1	-	
ENGL 110, College Composition I	3	-	
ENGL 120, College Composition II	3	-	
COMM 110, Fund of Public Speaking	3	-	
MATH 104, Finite Mathematics	3	-	
CSCI 116, Business Use of Computers or			
CSCI 114, Microcomputer Packages	3-4	-	
Humanities Elective	3	-	
Totals	13	15-16	

Summer

ADFH 196/496, Field Experience (optional)	1-2	-
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Second Year

PSYC 111, Intro to Psychology	3	-
ADFH 271, Visual Merchandising & Promo	3	-
ADFH 281, Aesthetic Anal in Bus & Society	3	-
ENGL 215, Writing for Work or		
Alternative	3	-
ACCT 102, Fund of Accounting	3	-
ECON 105, Elements of Economics	3	-
Science & Technology Elective	3	-
Science & Technology, Lab	3,1	-
Humanities Elective	3	-
Wellness	2	-
Totals	15	15

Summer

ADFH 496, Field Experience (optional)	3	-
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Third Year

ADFH 310, History of Fashion	3	-
ADFH 366, Textiles	3	-
ADFH 367, Textiles Lab	1	-
ADFH 370, Sewn-Product Mfg & Analysis	3	-
ADFH 372, Global Retailing	3	-
ADFH 496, Field Trip	1	-
HD&E 320, Professional Issues	1	-
BUSN 350, Found of Management	3	-
BUSN 360, Found of Marketing	3	-
BUSN 362, Found of Retailing	3	-
BUSN Elective	3	-
ADFH Elective	3	-
Elective	3	-
Totals	17	16

Summer

ADFH 496, Field Experience	3-5	-
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Fourth Year

ADFH 385, Global Fashion Economics	3	-
ADFH 410, Dress in World Cultures	3	-
ADFH 470, Retail Financial Mgt & Control	3	-
ADFH 481, Apparel & Textiles Capstone Exp	3	-
ADFH 486, Dress & Human Behavior	3	-
ADFH 491, Seminar (Apparel & Textiles Topic)	1	-
BUSN Elective	3	-
BUSN Elective	3	-
COMM 216, Intercultural Communication or		
Alternative	3	-
STAT 330, Intro Statistics	3	-
Totals	16	12

Curriculum Total 123-125

Recommended Curriculum Apparel and Textiles Minor Retail Merchandising Option

Soft Goods Emphasis

		Credits	
	F	S	
First Year			
ADFH 171, Fashion Dynamics	3	-	
ADFH 370, Sewn-Product Mfg & Analysis	3	-	
ADFH 281, Aesthetics Anal in Bus & Society	3	-	
ADFH 366, Textiles	3	-	
ADFH 372, Global Retailing	3	-	
ADFH 385, Global Fashion Economics	3	-	
ADFH 470, Retail Financial Mgt & Control	4	-	
Total	22	-	

Option in Retail Management (for Business Administration Majors)

ADFH 171, Fashion Dynamics	3	-
ADFH 172, Product Development	3	-
ADFH 372, Global Retailing	3	-
ADFH 470, Retailing Financial Mgt & Control	4	-
BUSN 360, Found of Marketing	3	-
BUSN 362, Found of Retailing	3	-
ADFH Elective	3	-
Total	22	-

Option in Consumer Textiles

ADFH 281, Aesthetic Anal in Bus & Society	3	-
ADFH 366/367, Textiles & Textiles Lab	3,1	-
ADFH 385, Global Fashion Economics	3	-
ADFH 465, Textile Product Analysis	3	-
ADFH Electives ¹	9	-
Total	22	-

Option in Apparel Studies

ADFH 155, Apparel Construction & Fit or		
ADFH 370, Sewn-Product Mfg & Analysis	3	-
ADFH 171, Fashion Dynamics	3	-
ADFH 281, Aesthetic Anal in Bus & Society	3	-
ADFH 366/367, Textiles & Textiles Lab	3,1	-
ADFH Electives ¹	6	-
ADFH Electives &/or Supporting Course ¹	3	-
Total	22	-

¹ With approval of minor advisor

Option in Occupational Fashion and Apparel

This option is planned for Family and Consumer Science Education majors who wish to teach occupational home economics courses. To meet vocational certification for teaching the Fashion and Apparel occupations in Minnesota consult with academic advisors in Family and Consumer Science Education.

Facility Management Major

Students are prepared to coordinate the physical workplace with the people and work of an organization by learning to integrate concepts from the disciplines of environmental design, specifically in relation to building systems, space planning, and textile product specification; business administration; and behavioral and engineering sciences as they relate to project and construction management. Facility managers are an important link in the integration of telecommunications, information management systems, maintenance, security and general administrative services for hospitals, hotels, financial institutions, school systems, and large corporations. Planning, management, and decision-making skills are strongly emphasized. In addition, each student is required to complete a full-semester field experience in a professional work setting between the junior and senior years. This provides students with practical experience sought by employers.

The curriculum for this major meets guidelines set by the International Facility Management Association.

Graduation requires an institutional cumulative grade-point average of 2.5 or higher.

Note: Transfer credits in facility management from other institutions must have grades of C or better to be accepted for the facility management program at NDSU.

Recommended Curriculum Facility Management Major

			Credits	
	F	S		
First Year				
ACCT 102, Fund of Accounting	3	-		
ADFH 160, Interior Design & FM Careers	1	-		
ADFH 161, Interior Graphics I	3	-		
COMM 110, Fund of Public Speaking	3	-		
CSCI 116, Business Use of Computers or				
CSCI 114, Microcomputer Packages	3-4	-		
ECON 105, Elements of Economics	3	-		
ENGL 110, College Composition I	3	-		
ENGL 120, College Composition II	3	-		
HD&E 189, Skills for Academic Success	1	-		
MATH 104, Finite Mathematics	3	-		
PSYC 111, Intro to Psychology	3	-		
Wellness	2	-		
Totals	14-15	17		

Second Year

ADFH 252, Interior Design II-Lecture (contract)	3	-
ADFH 253, Interior Design II-Studio (contract)	3	-
ADFH 263, Interior Technology I	3	-
ADFH 363, Interior Technology II	3	-
ADFH 366, Textiles	3	-
ADFH 367, Textiles Laboratory	1	-
ADFH 368, Interior Materials & Maint	3	-
STAT 330, Intro Statistics	3	-
ENGL 215, Writing for Work or		
ENGL 320, Practical Writing	3	-
Science & Technology, Laboratory	3,1	-
Science Elective	3	-
Totals	17	15

Third Year

ADFH 365, CADD for Interiors	3	-
ADFH 380, Facility Operations & Analysis . . .	3	-
ADFH 491, Seminar	1	-
BUSN 350, Found of Management	3	-
BUSN 347, Princ of Real Estate	3	-
BUSN 351, Found of Org Behavior	3	-
CM&E 315, Specifications & Contracts	3	-
Elective	3	-
HD&E 320, Professional Issues	1	-
IME 311, Work/Sta Design & Measurement . .	3	-
Humanities Elective	3	-
Totals	15	14

Summer Session

ADFH 496, Field Experience	-	6
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Fourth Year

ADFH 480, Facility Design & Mgt	3	-
ADFH 482, Facility Mgt Capstone Exp	3	-
ADFH 491, Seminar	1	-
BUSN 340, Principles of Finance	3	-
BUSN Elective	3	-
Elective	3	-
Humanities Elective	3	-
BUSN Elective	3	-
IME 456, Program & Project Mgt	3	-
Totals	13	12

Curriculum Total 123

**Recommended Curriculum
Facility Management Minor**

(Some courses are offered on a rotational basis. Please check with the department.)

Credits

ADFH 366, Textiles	3
ADFH 367, Textiles Laboratory	1
ADFH 263, Interior Technology	3
ADFH 363, Interior Technology II	3
ADFH 368, Interior Materials & Maintenance <i>or</i>	
ADFH 480 Facility Design & Mgmt	3
ADFH 380, Facility Operations & Analysis	3
ADFH 491, Facility Management Seminar	1
ADFH Elective	3
Total	20

**Facility Management Minor –
Interior Design Majors Only**

ADFH 380, Facility Operations & Analysis	3
ADFH 480, Facility Design & Management	3
ADFH 491, Facility Management Seminar	1
ACCT 102, Fund of Accounting	3
BUSN 350, Found of Mgmt (Prereq: Psyc 111) . .	3
IME 311, Work Station Design & Measurement . .	3
PSYC 111, Intro to Psychology	3
Total	19

**Hospitality and Tourism
Management Major**

The essential nature or mission of the Hospitality and Tourism Management (HTM) program at NDSU is to provide quality education and service in hotel and restaurant management to its stakeholders. This is further defined and accomplished through the threefold mission of the land-grant university.

As the nation's number one employer, the hospitality and tourism industry employs millions of people. The demand for managers has grown and continues to grow as the demand for services grows. Along with this demand for services, is a growing emphasis on comfort, convenience, nutrition, and personalized attention. All of these factors increase the need for effective and efficient professionals to manage hospitality operations and lead teams of people.

In the Hospitality and Tourism Management major, students prepare for a variety of careers in the hospitality industry. Students can choose a curriculum designed to meet their personal interests for career opportunities: lodging management, or restaurant management. Students with the lodging management option are prepared for management positions in hotels and motels, or can choose elective courses to provide an emphasis designed for working in hotels or resorts with large spa facilities. Students with the restaurant management option are prepared for management positions in commercial restaurants, or can choose elective courses to provide an emphasis designed for working in institutional food service operations. Administrative and management positions are available in hotels, resorts, clubs, restaurants, catering facilities, national parks, and college and university food service operations.

Supervised on-the-job experience (internship) is required of all students enrolled in the program. Students are placed in hospitality businesses in the local and regional community, as well as national and international corporations.

Lodging management emphasis area: Prepares students for careers in hotels, resorts, casinos, and events management.

Restaurant management emphasis area: Prepares students for careers in restaurants and institutional food service.

**Recommended Curriculum
Hospitality and Tourism
Management Major
Lodging Management Option**

Credits

First Year	F	S
ENGL 110, College Composition I	3	-
ENGL 120, College Composition II	-	3
ADFH 140, Intro to Hospitality Industry	3	-
ADFH 141, Tourism & Travel Management . . .	-	3
HD&E 189, Skills for Academic Success	1	-
Quantitative Reasoning	-	3
Social & Behavioral Science	3	-
PSYC 111, Intro to Psychology	-	3
Elective	3	-
Wellness	-	3
Totals	13	15

Second Year

CSCI 116, Business Use of Computers <i>or</i>		
CSCI 114, Microcomputer Packages 3-4	-	
CHEM 117, Chemical Concepts/Appl <i>or</i>		
CHEM 121, General Chemistry	3	-
ACCT 102, Fund of Accounting	3	-
ECON 105, Elements of Economics	3	-
COMM 110, Fund of Public Speaking	3	-
HNES 261, Food Selection/Prep Principles . . .	3	-
HNES 261L, Food Selection/Prep Lab	2	-
Science & Technology	3	-
Science & Technology Lab	1	-
Humanities & Fine Arts Elective	3	-
Elective	-	1
Totals	14-15	14

Third Year

ADFH 241, Hospitality Accounting	3	-
ADFH 360, Front Office Management	3	-
ADFH 368, Interior Materials & Maintenance .	3	-
ADFH 381, Hospitality Marketing & Sales . . .	3	-
BUSN 350, Found of Management	3	-
BUSN 360, Found of Marketing	3	-
Humanities & Fine Arts Elective	3	-
HD&E 320, Professional Issues	1	-
ADFH 491, Seminar	1	-

BUSN Elective	-	3
Science & Technology Elective	1	-
Elective	3	3
Totals	17	16

Summer Session

ADFH 496, Field Experience	3	-
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Fourth Year

ADFH 403, Resort & Spa Operations	3	-
ADFH 496, Study Tour	-	1-3
ADFH 467, Hospitality Law	3	-
ADFH 384, Beverage Operations	3	-
ADFH 479, Hospitality Industry Mgmt Strat . .	3	-
ADFH 491, Seminar	1	-
ADFH 401, Convention & Meeting Planning . .	-	3
ADFH 405, Casino Operations	3	-
BUSN Electives	3	6
Totals	16	13-15

Curriculum Total 122

**Recommended Curriculum
Hospitality and Tourism Management
Restaurant Management Option**

Credits

First Year	F	S
ENGL 110, College Composition I	3	-
ENGL 120, College Composition II	-	3
ADFH 140, Intro to Hospitality Industry	3	-
ADFH 141, Tourism & Travel Mgmt	-	3
HNES 141, Food Sanitation	-	1
HD&E 189, Skills for Academic Success	1	-
Quantitative Reasoning	-	3
Social & Behavioral Science	3	-
PSYC 111, Intro to Psychology	-	3
Elective	3	-
Wellness	-	3
Totals	13	16

Second Year

CSCI 116, Business Use of Computers <i>or</i>		
CSCI 114, Microcomputer Packages 3-4	-	
CHEM 117, Chemical Concepts/Appl <i>or</i>		
CHEM 121, General Chemistry	3	-
ACCT 102, Fund of Accounting	3	-
ECON 105, Elements of Economics	3	-
COMM 110, Fund of Public Speaking	3	-
HNES 261, Food Selection/Prep Prin	3	-
HNES 261L Food Selection/Prep Lab	2	-
Science & Technology	3	-
Science & Technology Lab	1	-
Humanities & Fine Arts Elective	3	-
Totals	14-15	13

Third Year

ADFH 241, Hospitality Accounting	3	-
ADFH 381, Hospitality Marketing & Sales . . .	-	3
HNES 361, Food Production Mgmt	-	3
HNES 361L, Food Production Mgmt Lab	-	2
BUSN 350, Fund of Mgmt	3	-
BUSN 360, Fund of Marketing	3	-
Humanities & Fine Arts Elective	3	-
HD&E 320, Professional Issues	-	1
BUSN Elective	-	3
Science & Technology Elective	1	-
Elective	3	1
ADFH 491, Seminar	1	-
Totals	17	13

Summer Session

ADFH 496, Field Experience	-	3
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Fourth Year

ADFH 496, Study Tour	-	1-3
ADFH 467, Hospitality Law	3	-
ADFH 384, Beverage Operations	3	-
ADFH 400, Food, Bev, Labor Cost Control . . .	3	-
ADFH 479, Hospitality Industry Mgmt Strat . .	3	-
ADFH 491, Seminar	1	-
ADFH 402, Professional Catering Mgmt	-	3
ADFH 404, Restaurant Operations Mgmt	-	3

HNES 460, Foodservice Systems	3	-
BUSN Elective	-	3
BUSN Electives	3	3
Totals	16	16-18
Curriculum Total	122	

**Recommended Curriculum
Hospitality and Tourism
Management Minor**

	<i>Credits</i>
ADFH 140, Intro to Hospitality Industry	3
ADFH 141, Tourism & Travel Management	3
ADFH 241, Hospitality Accounting	3
ADFH 491, Seminar	1
<i>Choose 9 credits from the following:</i>	9
ADFH 360, Front Office Management (3)	
ADFH 381, Hospitality Marketing & Sales (3)	
ADFH 384, Beverage Operations (3)	
ADFH 400, Food, Beverage, & Labor Cost Control (3)	
ADFH 401, Convention & Meeting Planning (3)	
ADFH 402, Professional Catering Mgmt (3)	
ADFH 403, Resort & Spa Operations (3)	
ADFH 404, Restaurant Operations Mgmt (3)	
ADFH 405, Casino Operations (3)	
ADFH 467, Hospitality Law (3)	
ADFH 496, Study Tour (1-3)	
Total	20

Interior Design Major

The course of study in Interior Design leads to a first professional interior design degree. Students gain knowledge and experience in identifying, researching, and designing projects relative to the function and quality of man's proximate environment. Courses in design fundamentals, design analysis, space planning, interior construction, building systems and equipment, and technical communication prepare students to successfully complete studio projects in residential and commercial design (e.g., institutional, educational, hospitality, corporate, retail, health care).

Students learn several approaches to the design process, but all involve: analyzing client needs, goals, and life safety requirements; design concept development; developing and presenting design recommendations; and working drawings and specifications in compliance with universal accessibility guidelines and all applicable codes.

Students participate in an internship during the summer between their third and fourth years. This internship may or may not include a stipend to support that student while living away from campus or home.

The Interior Design major has four years of sequenced studio work. Enrollment in sophomore level interior design courses requires a 3.0 institutional cumulative grade-point average. Admission into the third-year studio is based upon demonstrated professional interest, a portfolio review completed during the spring semester of the student's sophomore year, a 3.0 institutional cumulative grade-point average, and a minimum grade of C in all major core requirements. All students successfully completing sophomore review are required to purchase a laptop computer for upper division studio courses. Senior Interior Design students complete a capstone course that culminates the professional design educational experience.

The Interior Design program is accredited by the Foundation for Interior Design Education Research (FIDER).

**Recommended Curriculum
Interior Design Major**

	<i>Credits</i>	
	<i>F</i>	<i>S</i>
First Year		
ADFH 150, Design Fund Lecture	3	-
ADFH 151, Design Fund Studio	3	-
ADFH 160, Interior Design & FM Careers	1	-
ADFH 161, Interior Graphics I	-	3
COMM 110, Fund of Public Speaking	-	3
CSCI 116, Business Use of Computers or		
CSCI 114, Microcomputer Packages	3-4	-
ENGL 110, College Composition I	3	-
ENGL 120, College Composition II	-	3
HD&E 189, Skills for Academic Success	1	-
MATH 104, Finite Mathematics or		
Supporting Course	-	3
Totals	14-15	15

Second Year		
ADFH 250, Interior Design I Lecture	3	-
ADFH 251, Interior Design I Studio	3	-
ADFH 252, Interior Design II Lecture	-	3
ADFH 253, Interior Design II Studio	-	3
ADFH 263, Interior Technology I	3	-
ADFH 363, Interior Technology II	-	3
Science & Technology Elective	-	3
Science & Technology Laboratory	-	1
Social & Behavioral Science	3	3
ART 210, Art History I	3	-
Wellness	2	-
Totals	17	16

Third Year		
ADFH 315, History of Interiors I	3	-
ADFH 316, History of Interiors II	-	3
ADFH 350, Interior Design III Lecture	3	-
ADFH 351, Interior Design III Studio	3	-
ADFH 352, Interior Design IV Lecture	-	3
ADFH 353, Interior Design IV Studio	-	3
ADFH 365, CADD for Interiors	3	-
ADFH 366, Textiles	3	-
ADFH 367, Textiles Lab	1	-
ADFH 368, Interior Materials & Maintenance		
ADFH 491, Seminar	1	-
HD&E 320, Professional Issues	-	1
Science & Technology Elective	3	-
Totals	16	17

Summer Session		
ADFH 496, Field Experience	6	-
Fourth Year		
ADFH 450, Interior Design V Lecture	3	-
ADFH 451, Interior Design V Studio	3	-
ADFH 452, Comprehensive Int Design Proj	-	6
ADFH 460, Professional Practice	-	3
ADFH 491, Seminar	1	-
Supporting Courses	3	3
Electives	6	-
Totals	16	12
Curriculum Total	130	

**Recommended Curriculum
Interior Design Minor**

	<i>Credits</i>	
ADFH 150, Design Fund Lecture	3	-
ADFH 151, Design Fund Studio	3	-
ADFH 160, Interior Design & Facility Mgmt Careers	1	-
ADFH 161, Interior Graphics I	-	3
ADFH 250, Interior Design I or		
ADFH 252, Interior Design II (Lecture)	3	-
ADFH 251, Interior Design II or		
ADFH 253, Interior Design II (Studio)	3	-
ADFH 315, History of Interiors I	-	3
ADFH 316, History of Interiors II	-	3
Total	22	

**Interior Design Minor –
Architecture Majors Only**

ADFH 160, Interior Design Careers	1
ADFH 250, Interior Design I or	
ADFH 252, Interior Design II (Lecture)	3
ADFH 251, Interior Design II or	
ADFH 253, Interior Design II (Studio)	3
ADFH 261, Interior Graphics II	3
ADFH 315, History of Interiors I or	
ADFH 316, History of Interiors II	3
ADFH Electives ¹	12
Total	25

¹ Choose 12 additional credits from ADFH 250/251, 252/253, 263, 315/316, 363, 365, 380, 480, and 491.

**Department of Child
Development and
Family Science**

www.ndsu.edu/cdfs

The mission of the Department of Child Development and Family Science (CDFS) is to provide comprehensive, integrated knowledge of families and individuals across the life span that will equip students for careers in the helping professions and to enter graduate programs. The curriculum emphasizes practical application, acknowledging individuals and families as developing and changing entities within a larger societal context.

**Child Development and Family
Science Major**

At the undergraduate level, the department offers a curriculum leading to a Bachelor of Science degree through two options: child development and family science. Child Development and Family Science majors are prepared to work in a variety of areas related to children and families. Employment opportunities include parent and family life educators, extension agents, child protection service professionals, financial counselors, nursing home activity directors, credit specialists, probation agents, directors of child care licensing, and hospital child life specialists.

Course work provides students with an ecological approach to the study of human development and families with emphasis on the interactions of individuals, families, and the broader environmental context. Allowing students to select electives within the department to specialize in careers of interest provides flexibility.

CDFS Core: All majors are required to complete the following set of common core courses

	<i>Credits</i>
CDFS 135, Family Science	3
CDFS 353, Children, Families, & Public Policy	3
CDFS 403, Intro to Research Methods in CDFS	3
CDFS 485, Capstone Experience or	
CDFS 491, Seminar: Senior Thesis	3

A field experience is required for both options. All students are given the opportunity to work in a professional placement during their undergraduate program. This requirement enables students to apply their course work to a professional position as they prepare to move into important careers with children and families.

Note: Transfer credits in child development and family science from other institutions must have

grades of C or better to be accepted for the Child Development and Family Science program at NDSU.

Child Development Option: This option prepares students for careers involving direct and support services for children and adolescents.

For students who are enrolled in the Valley City State University Elementary Education program taught on the NDSU campus, the Department of Child Development and Family Science also offers the opportunity to obtain an NDSU B.S. degree with a major in Child Development and Family Science, child development option. Students must complete 30 credits in CDFS along with the Elementary Education requirements.

Child Development option requirements

<i>All of the following:</i>	<i>Credits</i>
CDFS Core	12
CDFS 320, Prenatal, Infant/Toddler Development	3
CDFS 330, Child Development	3
CDFS 341, Parent-Child Relations	3
CDFS 424, Observation & Assessment of Children	3
CDFS 425, Children & Stress	3
CDFS 450, Adolescent Development	3
CDFS 460, Adult Development & Aging	3
CDFS 475, Children & Family Across Cultures	3
CDFS 496, Field Experience	8
CDFS 488, Exceptional Child & Family	3
CDFS Electives	9
Total	56

Family Science Option: This option allows students to take a concentration of courses in human development, family science, or family economics in preparation for careers in direct and support services for families.

Family Science option requirements

<i>All of the following:</i>	<i>Credits</i>
CDFS Core	12
CDFS 230, Life Span Development	3
CDFS 357, Personal & Family Finance	3
CDFS 496, Field Experience	8
CDFS Electives	12

And six credits from the following family science courses:

CDFS 341, Parent-Child Relations	3
CDFS 448, Issues in Sexuality	3
CDFS 462, Family Crisis	3
CDFS 475, Children/Families Across Cultures	3
CDFS 482, Family Dynamics of Aging	3
CDFS 483, Family Wellness	3

And six credits from the following human development courses:

CDFS 320, Prenatal, Infant & Toddler Development	3
CDFS 330, Child Development	3
CDFS 450, Adolescent Development	3
CDFS 460, Adult Development & Aging	3

And six credits from the following family economics courses:

CDFS 186, Consumer & Society	3
CDFS 468, Families & Work	3
CDFS 477, Financial Counseling	3
Total	53

**Recommended Curriculum
Child Development Family Science**

	<i>Option</i>
	<i>Child Fam.</i>
<i>First Year</i>	<i>Devel. Sci.</i>
CDFS 135, Family Science	3
CDFS 230, Life Span Development	3

Elective	3	9
COMM 110, Fund of Public Speaking	3	3
ENGL 110, College Composition I	3	3
ENGL 120, College Composition II	3	3
HD&E 189, Skills for Academic Success	1	1
PSYC 111, Intro to Psychology	3	3
CDFS Electives	6	-
Wellness	2	-
Totals	27	28

Second Year

CDFS 330, Child Development	3	-
CSCI 116, Business Use of Computers <i>or</i>		
CSCI 114, Microcomputer Packages	3-4	3-4
SOC 110, Intro to Sociology	3	3
CDFS Core	-	15
CDFS Electives	3	3
Humanities & Fine Arts Elective	3	3
Quantitative Reasoning	3	3
Science and Technology w/lab	3,1	3,1
Science & Technology	3	-
Electives	6	-
Totals	31-32	34-35

Third Year

CDFS 320, Prenatal, Infant & Toddler Dev	3	-
CDFS 341, Parent-Child Relations	3	3
CDFS 353, Children, Family/Public Policy	3	3
CDFS 357, Personal & Family Finance	3	-
CDFS 425, Children & Stress	3	-
CDFS 403, Research Methods in CDFS	3	3
CDFS 450, Adolescent Development	3	-
CDFS 475, Children/Fam Across Cultures	3	-
HD&E 320, Professional Issues	1	1
CDFS Electives	-	6
Humanities & Fine Arts Electives	3	3
Science & Technology Elective	-	3
Wellness	-	2-3
Electives	9	6
Totals	34	30-31

Fourth Year

CDFS 424, Observ & Assess of Children	3	-
CDFS 460, Adult Development & Aging	3	-
CDFS 485, Capstone Experience <i>or</i>		
CDFS 491, Seminar: Sr.Thesis	3	3
CDFS Core	-	3
CDFS 496, Field Experience	8	8
CDFS 488, Exceptional Child/Family	3	-
CDFS Elective	-	3
Elective	10	14
Totals	30	31
Curriculum Totals	122	122

CDFS Minor

The Child Development and Family Science minor is especially appropriate for students majoring in the social or behavioral sciences and other students planning careers that involve work with people. The 18-credit minor consists of CDFS 135, 230, and 12 credits of CDFS electives. At least nine credits must be upper division, and no more than three credits may be in field experience, practicum, or student teaching. Some CDFS courses also apply to interdisciplinary minors in Women's Studies and Gerontology.

**CDFS/Elementary Education
Dual Degrees**

Students may concurrently earn a degree in Elementary Education from Valley City State University and a degree in Child Development and Family Science (Child Development option) from North Dakota State University while located on the NDSU campus. It allows the student to earn two degrees from two universities in the time frame it takes to usually earn one baccalaureate degree. See department for details.

Family Therapy Center: The Family Therapy Center is located on the NDSU campus. The center is an accredited training program administered through the Department of Child Development and Family Science at NDSU. NDSU faculty members who are clinical members and approved supervisors of the American Association for Marriage and Family Therapy supervise advanced clinical students.

Center for Child Development: The CCD is a laboratory school, accredited by the National Academy of Early Childhood Programs, which provides opportunities for NDSU students to observe, do research, and participate in a high quality program for young children and their families.

**Department of
Health, Nutrition
and Exercise Science**

www.ndsu.edu/HNES

This department offers all students an opportunity to develop skills and knowledge that are vital in developing a personal, lifetime wellness concept and to serve as teachers, leaders, and administrators of health, physical education, recreation, athletic training, and dietetics. Majors are available in Athletic Training, Dietetics, Health Education, Human Performance and Fitness, Physical Education (teaching and non-teaching), and Recreation Management. Minors offered are Coaching, Nutrition (Food Science option), Health Education, and Physical Education.

Athletic Training Major

The Athletic Training major is a four-year program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Students have opportunities to apply classroom learning to actual situations by taking an active role in the prevention, recognition, and management of athletic related injuries in their clinical experiences. This format provides continuity through the introduction of knowledge and skills and the reinforcement of those objectives in the clinical (athletic training room) setting. There are two phases to the Athletic Training program: the observational phase (first year) and the curriculum phase (second, third, and fourth year). Students in the curriculum phase must receive a B or higher in all athletic training curriculum courses.

Observational Phase (must be completed in first year): During the observational phase of the program the student is required to meet the following standards:

The minimum standards:

1. The following courses must be taken and a letter grade of B or better earned:
HNES 180 Athletic Trainers Profession
HNES 181 Practical Application of Protective Devices and Taping
HPER 210 First Aid/CPR
HPER 217 Personal and Community Health
HNES 260 Medical Terminology
HNES 491 Seminar in Athletic Training Anatomy.
2. An overall grade-point average of 2.75 on a 4.0 scale;
3. Successful completion of 27 semester credit hours;
4. Fifty hours of observation.

Curriculum Phase:

In order for a student to move from the observational phase to the curriculum phase they must apply to the program and meet the following list of requirements:

1. Meet the four minimum standards listed above,
2. Submit application, two letters of recommendation, essay,
3. Complete formal interview with certified athletic trainers,
4. A physical exam signed by physician,
5. Complete Technical Standards Form signed by a physician,
6. Criminal background check,
7. Signed compliance/consent form,
8. TB test,
9. Immunizations including Hepatitis B vaccine,
10. Purchase professional liability insurance,
11. Join the state organization,
12. Submit unofficial transcript.

Once a student has been formally accepted into the curriculum phase of the Athletic Training program they will be exposed to both academic course work and clinical experiences. The course work is sequenced to enhance and build on the knowledge and skills that are crucial for a student to take the NATABOC certification exam. The clinical experiences, under the direct supervision of a certified athletic trainer, help the student to further develop and enhance their skills and techniques. The student will have a variety of clinical experiences in the community of Fargo-Moorhead. Some of these include NDSU athletic training room, Concordia College athletic training room, Moorhead State University Moorhead athletic training room, Fargo North and South High Schools, West Fargo High School, Oak Grove High School, Dakota Clinic/Innovis, MeritCare Health Systems, Red River Valley Sports Medicine/Health South, and other related sites.

During your duration in the Athletic Training program all athletic training students must complete the following:

- Attend one state meeting and one district meeting (during three years in the program). You will be required to submit a two-page paper on what you learned.

In addition:

Second Year Students:

1. A letter grade of C or better earned in the following courses by the end of the spring semester of the second year in the program.
 - a. BIOL 220 and BIOL 221, Human Anatomy and Physiology
 - b. BIOL 220L and BIOL 221L, Human Anatomy and Physiology Lab
2. Must receive a B or higher in all athletic training curriculum courses.
3. Purchase National Athletic Trainers Association Membership (spring semester only).

Third and Fourth Year Students:

- a. Must received a B or higher in all athletic training curriculum courses.
- b. Renew Professional Liability Insurance.
- c. Renew National/District/State Athletic Trainers Association Membership.

Students will only be accepted into the program during fall semester. Transfer students must meet all the minimum requirements before being accepted into the program.

The final objective of the program is set for the student's final semester in the program. The student will take the National Athletic Trainers' Association Board of Certification (NATABOC) exam. The successful completion of a major in Athletic Training and NATABOC exam provides career opportunities in high schools, colleges/universities, professional sports, sports medicine clinical settings, industrial settings and corporate fitness settings.

Recommended Curriculum Athletic Training

	<i>Credits</i>	
	<i>F</i>	<i>S</i>
Observational Phase - First Year		
HNES 110, Intro to HPER	1	-
HNES 180, Athletic Trainers Profession	2	-
HPER 210, First Aid/CPR	2	-
HD&E 189, Skills for Academic Success	1	-
ENGL 110, College Composition I	3	-
BIOL 220, Human Anatomy & Physiology I	3	-
BIOL 220L, Human Anatomy & Physiology I Lab	1	-
MATH 103, College Algebra <i>or</i>		
MATH 104, Finite Mathematics	3	-
HNES 260 Medical Terminology	1	-
HNES 181, Taping/Devices/Equipment	3	-
HPER 217, Personal/Community Health	3	-
BIOL 221, Human Anatomy & Physiology II	3	-
BIOL 221L, Human Anatomy & Physiology II Lab	1	-
ENGL 120, College Composition II	3	-
HNES 491 Seminar in AT Anatomy	3	-
Totals	16	17
Curriculum Phase - Second Year		
COMM 110, Public Speaking	3	-
CHEM 117, Chemical Concepts & Applications	3	-
HNES 240, Emergency Response	3	-
HNES 281, Injury Recog & Eval of Lower Extremity	3	-
HNES 284, Clinical Experience I	3	-
PHYS 120, Fund of Physics	3	-
PSYC 111, Intro to Psychology	3	-
PHAR 170, Common Medicine & Diseases	2	-
HNES 285, Clinical Experience II	3	-
HNES 381, Injury Recog & Eval of Upper Extremity	3	-
HNES 271, Tech of Strength & Conditioning	3	-
Totals	15	17
Curriculum Phase - Third Year		
Humanities (Cultural Diversity)	3	-
HNES 365, Kinesiology & Biomechanics	3	-
HNES 366, Kinesiology & Biomechanics Lab	1	-
HNES 382, Inj Recog & Eval of Head, Neck & Back	3	-
HNES 384, Therapeutic Exercise	3	-
HNES 386, Clinical Experience III	3	-
HNES 385, Therapeutic Modalities	3	-
Humanities (Global Perspective)	3	-
HNES 387, Clinical Experience IV	3	-
HNES 465, Physiology of Exercise	3	-
HNES 466, Physiology Exercise Lab	1	-
HNES 383, Psychosocial Aspect of Injury	3	-
Totals	16	16
Curriculum Phase - Fourth Year		
HNES 496, FE/Fall Camp Hours	3	-
HNES 487, Admin Athletic Training Program	3	-
HNES 488, Clinical Experience V	3	-
PSYC 350, Research Methods I	3	-
STAT 330, Intro Statistics	3	-

HNES 455, Sports Nutrition	3	-
HNES 486, Medical Aspects of Athletic Train.	3	-
HNES 489, Athletic Training Capstone	3	-
Social/Behavioral Sci (PSYC 212)	3	-
Totals	15	12
Curriculum Total	124	

Dietetics Major

There are two options within the Dietetics major: (a) Coordinated Program and (b) Didactic Program. Both programs include all didactic courses required for membership in The American Dietetic Association.

Students with a major in Dietetics are employed in many settings such as hospitals, clinics, community health programs, businesses, industries, school food services, and as consultants in homes for the elderly and other service institutions. Research and development opportunities are available in industry, government, and universities; in regulation of food quality through government agencies; and within companies as communication specialists.

Note: Transfer credits in dietetics or food and nutrition from other institutions must have grades of C or better to be accepted for the Dietetics program at NDSU.

Coordinated Program in Dietetics (CPD) Option: This option prepares professional dietetic practitioners for work in entry-level positions in hospitals, nursing homes, out-patient clinics, businesses, and community agencies.

Acceptance into CPD is competitive and enrollment is limited. Students who have completed the prerequisite courses apply for admission in February. The American Dietetic Association/Council on Education Accreditation/Approval for Dietetic Education accredits the CPD. Graduates are eligible to take the registration exam for dietitians upon completion of the program.

Didactic Program in Dietetics (DPD) Option: This option meets the requirements for entrance into an accredited dietetic internship and prepares graduates for internships in hospitals, as well as in health care related organizations. The American Dietetic Association/Council of Accreditation/Approval approves the DPD, a specialized body recognized by the United States Department of Education.

Recommended Curriculum Dietetics

	<i>Credits</i>	
	<i>F</i>	<i>S</i>
Coordinated Program in Dietetics (CPD)		
First Year		
ANTH 111, Intro to Anthropology	3	-
CHEM 121, General Chemistry I	3	-
CHEM 121L, General Chemistry I Lab	1	-
CHEM 122, General Chemistry II	3	-
CHEM 122L, General Chemistry II Lab	1	-
ECON 201, Principles of Microeconomics <i>or</i>		
ECON 202, Principles of Macroeconomics	3	-
ENGL 110, College Composition I	3	-
ENGL 120, College Composition II	3	-
HD&E 189, Skills for Academic Success	1	-
MATH 104, Finite Mathematics <i>or</i>		
MATH 103, College Algebra	3	-
PSYC 111, Intro to Psychology	3	-
HNES 141, Food Sanitation	1	-
Humanities & Fine Arts Elective	3	-
Totals	14	17
Second Year		
MICR 202, Intro to Microbiology	2	-

MICR 202L, Intro to Microbiology Lab	1	-
BIOC 260, Elements of Biochemistry	4	-
CHEM 240, Survey of Organic Chemistry	3	-
COMM 110, Fund of Public Speaking	3	-
CSCI 116, Business Use of Computers or		
CSCI 114, Microcomputer Packages	3-4	-
HNES 250, Nutrition Science	3	-
HNES 251, Nutrition, Growth & Development	3	-
HNES 261, Food Selection & Preparation	3	-
HNES 261L, Food Selection & Prep Lab	2	-
BIOL 221, Human Anat & Physiology I	3	-
BIOL 221L, Human Anat & Physiology I Lab	1	-
Electives	1	-
Totals	15	17-18

Third Year

VETS 115, Medical Terminology or		
HNES 260, AT Medical Terminology	1	-
BUSN 350, Found of Management	3	-
HNES 340, Community Health Nutrition	3	-
HNES 351, Metabolic Basis of Nutrition	4	-
HNES 354, Intro to Med Nutr Therapy	3	-
HNES 354L, Intro to Med Nutr Therapy Lab	2	-
HNES 361, Food Production Mgt	3	-
HNES 361L, Food Production Mgt Lab	2	-
HD&E 320, Professional Issues	1	-
STAT 330, Intro Statistics	3	-
Humanities & Fine Arts Electives	6	-
Totals	16	15

Fourth Year

HNES 440, Nutrition Educ & Counseling Skills	3	-
HNES 458, Adv Med Nutrition Therapy	4	-
HNES 458L, Adv Med Nutrition Therapy Lab	3	-
HNES 460, Foodservice Systems	3	-
HNES 460L, Foodservice Systems Lab	3	-
HNES 480, Dietetics Practicum	12	-
Totals	16	12
Curriculum Total	122	

**Recommended Curriculum
Dietetics****Didactic Program in Dietetics (DPD)**

	Credits	
First Year	F	S
ANTH 111, Intro to Anthropology	3	-
CHEM 121, General Chemistry I	3	-
CHEM 121L, General Chemistry I Lab	1	-
CHEM 122, General Chemistry II	3	-
CHEM 122L, General Chemistry II Lab	1	-
ECON 201, Principles of Microeconomics or		
ECON 202, Principles of Macroeconomics	3	-
ENGL 110, College Composition I	3	-
ENGL 120, College Composition II	3	-
HD&E 189, Skills for Academic Success	1	-
MATH 104, Finite Mathematics or		
MATH 103, College Algebra	3	-
PSYC 111, Intro to Psychology	3	-
HNES 141, Food Sanitation	1	-
Humanities & Fine Arts Elective	3	-
Totals	14	17

Second Year

BIOC 260, Elements of Biochemistry	4	-
MICR 202, Intro to Microbiology	2	-
MICR 202L, Intro to Microbiology Lab	1	-
CHEM 240, Survey of Organic Chemistry	3	-
COMM 110, Fund of Public Speaking	3	-
CSCI 116, Business Use of Computers or		
CSCI 114, Microcomputer Packages	3-4	-
HNES 250, Nutrition Science	3	-
HNES 251, Nutrition, Growth & Development	3	-
HNES 261, Food Selection & Prep	3	-
HNES 261L, Food Selection & Prep Lab	2	-
BIOL 221, Human Anat & Physiology I	3	-
BIOL 221L, Human Anat & Physiology I Lab	1	-

Electives	3	-
Totals	17	17-18

Third Year

VETS 115, Medical Terminology or		
HNES 260, AT Medical Terminology	1	-
BUSN 350, Found of Management	3	-
HNES 340, Community Health Nutrition	3	-
HNES 351, Metabolic Basis of Nutrition	4	-
HNES 354, Intro/Medical Nutrition Therapy	3	-
HNES 361, Food Production Mgt	3	-
HNES 361L, Food Production Mgt Lab	2	-
HD&E 320, Professional Issues	1	-
STAT 330, Intro Statistics	3	-
Humanities & Fine Arts Electives	6	-
Totals	16	13

Fourth Year

HNES 440, Nutrition Educ & Counseling Skills	3	-
HNES 458, Adv Medical Nutrition Therapy	4	-
HNES 460, Foodservice Systems	3	-
HNES 481, Didactic Capstone	2	-
HNES 491, Seminar, Dietetic Intern Applic	1	-
Electives	3	12
Totals	14	14
Curriculum Total	122	

**Recommended Curriculum
Nutrition Minor
Food Service Option**

	Credits	
HNES 141, Food Sanitation	1	-
HNES 261, Food Selection & Prep Princ	3	-
[Prereq: Chem 117 or 121]		
HNES 261L, Food Selection & Prep Princ Lab	2	-
HNES 361, Food Production Mgt	3	-
HNES 361L, Food Production Mgt Lab	2	-
Nutr 240, Principles of Nutrition or		
HNES 250, Nutrition Sci		
[Prereq: CHEM 117 or 121]	3	-
HNES 460, Foodservice Systems	3	-
Curriculum Total	17	

**Recommended Curriculum
Nutrition Minor**

	Credits	
HNES 250, Nutrition Sci [Prereq: CHEM 117-121]	3	-
HNES 251, Nutrition, Growth, & Development	3	-
HNES 351, Metabolic Basis of Nutrition	4	-
[Prereq: CHEM 240, BIOC 260]		
HNES 354, Intro Medical Nutrition Therapy	3	-
HNES 340, Community Health Nutrition	3	-
HNES 440, Nutrition Educ & Counseling Skills	3	-
Curriculum Total	19	

**Human Performance
and Fitness Major**

The Human Performance and Fitness (HPF) major is endorsed by the American College of Sports Medicine. This curriculum covers the knowledge, skills, and abilities expected of an ACSM Health/Fitness Instructor®.

The major is designed to prepare students for entry-level positions in any of four health fitness settings: commercial, community, corporate, and clinical. Completion of the major will also act as a stepping stone to prepare the exceptional student for graduate education in exercise physiology/science, cardiac rehabilitation, physical therapy, sports nutrition, sports medicine, biomechanics, and other allied health professions.

The HPF program includes everything from the study of physical activity and the associated acute and chronic physiological adaptations and responses to it, to health-fitness business management principles found in facilities worldwide.

Majors are encouraged to select a minor in Business Administration, Nutrition, Psychology, Gerontology, or any other area depending on their interests. Field experience courses during the four-year program as well as a capstone experience involving a semester-long internship required at the end of the HPF program affords the student an opportunity to select an area of specialization in the field from sites available throughout the country.

Students are encouraged to pursue appropriate professional certification from the American College of Sports Medicine, The National Strength and Conditioning Association, or The American Council on Exercise.

**Recommended Curriculum
Human Performance and Fitness**

	Credits	
First Year	F	S
BIOL 220, Human Anat & Physiology I	3	-
BIOL 220L, Human Anat & Physiology I Lab	1	-
BIOL 221, Human Anat & Physiology II	3	-
BIOL 221L, Human Anat & Physiology II Lab	1	-
CSCI 114, Microcomputer Packages or		
CSCI 116, Business Use of Computers	3-4	-
ENGL 110, College Composition I	3	-
ENGL 120, College Composition II	3	-
HD&E 189, Skills for Academic Success	1	-
HNES 110, Intro to HPER	1	-
HNES 170, Intro to Human Performance & Fitness	2	-
HPER 217, Personal & Community Health	3	-
MATH 104, Finite Mathematics	3	-
Social & Behavioral Sciences Elective	3	-
Totals	14	16

Second Year

CHEM 117, Chemical Concepts & Appli	3	-
COMM 110, Fund of Public Speaking	3	-
HNES 270, Consumer Issues in Food & Nutr	3	-
HNES 271, Tech of Strength Conditioning	3	-
HNES 272, Tech of Cardio Conditioning	3	-
HNES 210, First Aid & CPR	2	-
Humanities Electives	6	-
Electives	4	-
Social & Behavioral Sciences Elective	3	-
Totals	16	14

Third Year

HNES 250, Nutrition Science	3	-
HNES 251, Nutrition, Growth, & Dev	3	-
HNES 365, Kinesiology & Biomechanics	3	-
HNES 366, Kinesiology & Biomech Lab	1	-
HNES 455, Sports Nutrition	3	-
HNES 465, Physiology of Exercise	3	-
HNES 466, Physiology of Exercise Lab	1	-
HNES 470, Activity Benefits & Exerc Prescription	3	-
HNES 491, Seminar	1	-
HNES 496, Field Experience	1	-
Electives	10	-
Totals	17	15

Fourth Year

HNES 467, EKG Monitoring Physiology	2	-
HNES 471, Fitness Programming & Mgt	3	-
HNES 472, Exercise Testing & Application	3	-
HNES 475, Human Performance & Fitness Internship (Capstone)	12	-
HNES 496, Field Experience	1	-
Electives	9	-
Totals	18	12
Curriculum Total	122	

Physical Education Major

The degree programs in Physical Education are four-year curricula designed to prepare students

for teaching or leadership roles in schools, sports, business, community fitness programs, and related fields.

A well-prepared physical educator is knowledgeable and skilled in the natural and behavioral sciences, humanities, symbolic systems, and learning theories. The major field stresses contemporary knowledge, history, philosophy, and principles related to physical education. Course work in multicultural education and education of the developmentally disabled is included. Students are urged to choose a second major or several minors to qualify for emerging occupational opportunities.

**Physical Education:
Teaching Option**

Students who wish to become certified grade K-12 Physical Education teachers enroll for 37 general education credits and a minimum of 33 professional education credits that include student teaching (see School of Education requirements). The teacher education program is a selective enrollment program that leads to a B.S. degree. Students must apply to the School of Education for admission.

**Recommended Curriculum
Physical Education: Teaching**

	Credits	
	F	S
BIOL 220, Human Anat & Physiology I	3	-
BIOL 220L, Human Anat & Physiology I Lab	1	-
BIOL 221, Human Anat & Physiology II	3	-
BIOL 221L, Human Anat & Physiology II Lab	1	-
COMM 110, Public Speaking	3	-
ENGL 110, College Composition I	3	-
ENGL 120, College Composition II	3	-
HD&E 189, Skills for Academic Success	1	-
HNES 110, Intro to HPER	1	-
HNES 150, Found of Phys Ed	2	-
HNES 152, Prof Prep in Middle School Activities	-	3
HPER 217, Personal/Community Health	3	-
PSYC 111, Intro to Psychology	3	-
Totals	14	16

Second Year

CSCI 116, Business Use of Computers or CSCI 114, Microcomputer Packages	3-4	-
HNES 153, Prof Prep in HS Activity	3	-
HPER 154, Prof Prep/Elem Sch Activity	3	-
HNES 210, First Aid & CPR	2	-
HNES 253, Motor Learning & Performance	3	-
CDFS 230, Life Span Development or PSYC 250, Developmental Psychology	3	-
Electives	6	4
SOC 110, Intro to Sociology	3	-
Quantitative Reasoning Elective	3	-
Totals	17	16-17

Third Year

EDUC 300 Orientation to Elementary Teach	2	-
EDUC 321, Intro to Teaching	3	-
EDUC 322, Educational Psychology	3	-
EDUC 381, Early Experience	1	-
HNES 300, Curr, Stand & Assessment in PE	3	-
HNES 350, Fitness Edu/Act/Mat	3	-
HNES 352, Phy Ed Activities & Materials	3	-
HNES 367, Prin of Conditioning	3	-
HD&E 320, Professional Issues	1	-
Humanities/Electives/Minor	-	9
Totals	15	16

Fourth Year

EDUC 389, Native Americans & Multicult	3	-
EDUC 481, Class Practice, Methods of Teaching PE K-12	3	-

EDUC 485, Student Teaching Seminar	1	-
EDUC 486, Classroom Mgt of Diverse Learn	2	-
EDUC 487, Student Teaching Elementary	6	-
EDUC 487, Student Teaching Secondary	6	-
HNES 461, Admin & Social Aspects of Phys Activ & Athletics (Capstone)	3	-
EDUC 451, Inst Plan, Methods, Assessment	3	-
Totals	14	13
Curriculum Total	122	

**Recommended Curriculum
Physical Education Minor**

	Credits	
HPER 210, First Aid & CPR	2	-
HNES 253, Motor Learning & Performance or HNES 365, Kinesiology & Biomechanics	3	-
HNES 352, Phys Educ Activities & Materials	3	-
HNES 367, Prin of Conditioning or HNES 465 Physiology of Exercise	3	-
EDUC 481, Classroom Pract/Meth of Teaching K-12	3	-

Select one of the following courses:

HNES 152, Prof Preparation in Middle School Act.	3	-
HNES 153, Prof Preparation in High School Act.	3	-
HPER 154, Prof Prep in Elem School Activ	3	-
Curriculum Total	17	

**Physical Education:
Non-Teaching Option**

Students who wish to major in Physical Education and not become teachers may select the liberal arts program of the College of Human Development and Education. Concurrently with the major, the student will take a minimum of 58 general education credits including a foreign language (B.A. degree) or published minor (B.S. degree).

**Recommended Curriculum
Physical Education:
Non-Teaching Option**

	Credits		
	F	S	
First Year			
BIOL 220, Human Anat & Physiology	3	-	
BIOL 220L, Human Anat & Physiology I Lab	1	-	
BIOL 221, Human Anat & Physiology II	3	-	
BIOL 221L, Human Anat & Physiology II Lab	1	-	
COMM 110, Public Speaking	3	-	
ENGL 110, College Composition I	3	-	
ENGL 120, College Composition II	3	-	
HD&E 189, Skills for Academic Success	1	-	
HNES 110, Intro to HPER	1	-	
HNES 150, Found of Phys Ed	2	-	
HNES 152, Prof Prep in Middle School Act	3	-	
HPER 217, Personal/Community Health	3	-	
PSYC 111, Intro to Psychology	3	-	
Totals	14	16	

Second Year

CSCI 116, Business Use of Computers or CSCI 114, Microcomputer Packages	3-4	-	
HNES 153, Prof Prep/in High School Act	3	-	
HNES 154, Prof Prep/Elem School Act	3	-	
HPER 210, First Aid & CPR	2	-	
HNES 253, Motor Learning & Performance	3	-	
SOC 110, Intro to Sociology	3	-	
Quantitative Reasoning Elective	3	-	
Humanities Elective	3	3	
Electives	4	1	
Totals	15	16-17	

Third Year

HNES 300, Curr, Standards & Assessment in PE	3	-	
HNES 350, Fitness Edu/Act/Mat	3	-	
HNES 352, Phys Ed/Act/Mat	3	-	
HNES 367, Prin of Conditioning	3	-	
HD&E 320, Professional Issues	1	-	
Electives	10	9	
Totals	16	16	

Fourth Year

HNES 461, Admin & Social Aspects of Phys Ed & Athletics	3	-	
Electives	12	14	
Totals	15	14	
Curriculum Total	122		

Health Education Major

The Health Education major is designed to prepare students for careers in the field of community health education and/or school health education through the development of dispositions, knowledge, and skills. A Health Education minor is also available.

The Community Health Education option is a non-teaching major offered for students interested in pursuing community health, health promotion/work-site careers in the public sector.

The School Health Education option is a professional teaching preparation program designed to meet the needs of those interested in a K-12 teaching career. The Teacher Education program is a selective enrollment program that leads to a B.S. degree. Students must apply to the School of Education for admission.

To earn a degree, each student must complete the core requirements listed, and then he/she may choose courses, which prepare for practice in either the public school setting or the community/work-site setting.

**Recommended Curriculum
Health Education
Community Health Option**

	Credits		
	F	S	
First Year			
HNES 110, Intro to HPER	1	-	
HNES 160, Found of Health Professions	2	-	
ENGL 110, College Composition I	3	-	
PSYC 111, Intro to Psychology	3	-	
HD&E 189, Skills for Academic Success	1	-	
BIOL 220, Human Anatomy & Phys I	3	-	
BIOL 220L, Human Anatomy & Phys I Lab	1	-	
HPER 217, Personal & Community Health	3	-	
ENGL 120, College Composition II	3	-	
BIOL 221, Human Anatomy & Phys II	3	-	
BIOL 221L, Human Anatomy & Phys II Lab	1	-	
CSCI 114, Microcomputer Packages or CSCI 116, Business Use of Computers	-	3-4	
COMM 110, Fund of Public Speaking	-	3	
Total	14	16-17	

Second Year

Quantitative Reasoning (MATH)	3	-	
Elective	4	-	
SOC 110, Intro to Sociology	3	-	
PSYC 212, Psychological Aspects of Drug Use & Abuse	3	-	
CDFS 186, Consumer & Society	3	-	
HPER 210, First Aid & CPR	-	2	
CDFS 135, Family Science	-	3	
HNES 251, Nutrition, Growth, & Development	-	3	
HNES 270, Consumer Issues in F&N	-	3	
NUTR 240, Prin of Nutrition or HNES 250, Nutrition Science	-	3	
Total	16	14	

Third Year

SOC 202, Minorities & Race Relations	3	-	
CDFS 230, Life Span Development	3	-	
HD&E 320, Professional Issues	1	-	
Elective	3	-	
Humanities & Fine Arts	3	-	
HNES 345, Materials & Concepts of Health Ed	3	-	
HNES 341, Psycho/Social Aspects of Health	3	-	

HNES 445, Organ. & Admin of Coordinated Health Programs	3	18
HNES 452, Nutrition, Health & Aging	3	
PSYC 210, Human Sexuality	3	
Elective	3	
Humanities & Fine Arts	3	
Total	16	18

Fourth Year

HNES 340, Community Health Nutrition	3	
HNES 355, International Health	3	
HNES 420, Needs Assess/Prog Plan/Health Ed	3	
COMM 480, Health Communications	3	
Elective	4	
HNES 482, Community Health Internship	12	
Total	16	12
Curriculum Total		122

Recommended Curriculum Health Education Teaching/School Health Option

	<i>Credits</i>	
<i>First Year</i>	<i>F</i>	<i>S</i>
HNES 110, Intro to HPER	1	-
HNES 160, Found of Health Professions	2	-
ENGL 110, College Composition I	3	-
PSYC 111, Intro to Psychology	3	-
HD&E 189, Skills for Academic Success	1	-
BIOL 220, Human Anat & Physiology I	3	-
BIOL 220L, Human Anat & Physiology I Lab	1	-
HPER 217, Personal & Community Health	3	-
ENGL 120, College Composition II	3	-
BIOL 221, Human Anat & Physiology II	3	-
BIOL 221L, Human Anat & Physiology II Lab	1	-
CSCI 114, Microcomputer Packages <i>or</i>		
CSCI 116, Business Use of Computers	3-4	-
COMM 110, Fund of Public Speaking	3	-
Total	14	16-17

Second Year

Quantitative Reasoning	3	-
Elective	3	-
SOC 110, Intro to Sociology	3	-
PSYC 212, Psychological Aspects of Drug Use & Abuse	3	-
NUTR 240, Prin of Nutrition <i>or</i>		
HNES 250 Nutrition Science	3	-
Electives	5	-
HPER 210, First Aid & CPR	2	-
EDUC 300, Orientation to Elementary Teaching	2	-
EDUC 321, Intro to Teaching	3	-
PSYC 210, Human Sexuality	3	-
Total	15	15

Third Year

Admission to School of Education	X	-
Humanities & Fine Arts	3	-
Elective	3	-
CDFS 135, Family Science	3	-
EDUC 322, Educational Psychology	3	-
EDUC 381, Early Experience	1	-
HNES 345, Materials & Concepts of Health Educ	3	-
HNES 341, Psycho/Social Aspects of Health	3	-
HNES 445, Org. & Admin of CSHP	3	-
Elective	3	-
Humanities & Fine Arts	3	-
EDUC 389, Native Amer/Multicultural Inst Prac	3	-
CDFS 230, Life Span Development <i>or</i>		
PSYC 250, Developmental Psychology	3	-
Total	16	18

Fourth Year

HNES 355, International Health	3	-
HNES 420, Needs Assess & Prog Plan in Health Ed	3	-

EDUC 451, Instruc, Planning, Meth & Assess SHP	3	-
EDUC 486 Classroom Mgt of Div Learners	2	-
EDUC 481, Classroom Prac/Meth of Teach Sec Health	3	-
HD&E 320, Professional Issues	1	-
EDUC 485, Student Teaching Seminar	1	-
EDUC 487, Student Teaching Capstone	12	-
Total	15	13
Curriculum Total		122

Health Education Minor

This minor has an emphasis on comprehensive health education. It prepares the graduate for employment as a health educator in the school and/or community health setting. Students who have earned this minor as a complement to their major have been from the following curricula: Counseling, Nursing, Child Development and Family Science, Food and Nutrition, Athletic Training, Human Performance and Fitness, English, Mathematics, and Physical Education. A minimum of 17 credits is required with the following curriculum:

	<i>Credits</i>	
HPER 210, First Aid & CPR	2	-
HNES 217, Personal & Community Health	3	-
HNES 345, Materials & Concepts of Health Educ	3	-
HNES 445, Organ. & Admin. of Coordinated School Health Programs	3	-
NUTR 240, Prin of Nutrition <i>or</i>		
HNES 250, Nutrition Science	3	-
PSYC 212, Psychology Aspects/Drugs Use/Abuse <i>or</i>		
PSYC 210, Human Sexuality	3	-

Recreation Management Major

The major in Recreation Management is a four-year curriculum designed to prepare students for professional administration and leadership positions in parks and recreation. Students learn and develop skills for employment in federal, state, municipal, hospital, and private recreation settings.

The major area course work in the Recreation Management curriculum includes 47 credits, 12 of which are taken during the senior year as an internship at an approved recreation agency. Students are advised to pursue supporting minors (e.g., Business Administration, Sociology, Gerontology, environmental studies, language) to enhance their career opportunities. Students may also seek appropriate professional certifications as a C.L.P. (Certified Leisure Professional), and/or R.S.S. (Recreational Sports Specialist) upon graduation.

Recommended Curriculum Recreation Management

	<i>Credits</i>	
<i>First Year</i>	<i>F</i>	<i>S</i>
COMM 110, Fund of Public Speaking	3	-
CSCI 114, Microcomputer Packages <i>or</i>		
CSCI 116, Business Use of Computers	3-4	-
ENGL 110, College Composition I	3	-
ENGL 120, College Composition II	3	-
HD&E 189, Skills for Academic Success	1	-
HPER 100, Concepts of Fitness/Activities	2	-
HNES 110, Intro to HPER	1	-
HNES 154, Prof Prep/Elem School Activity	3	-
HNES 196, Field Experience	1	-
HPER 200, Intro to Parks and Recreation	2	-
Elective	3	-
Totals	13	14-15

Second Year

ART Series, Studio Art Elective	3	-
HNES 196, Field Experience	1	-
HNES 225, Camp Mgt/Outdoor Rec Skills	2	-
HNES 210, First Aid & CPR	2	-
Humanities & Fine Arts	3	-
Science & Technology (one with lab)	3,1	6
Social & Behav/Cultural Diversity	3	-
Electives	3	3
Totals	15	15

Third Year

HNES 326, Recreation Prog	3	-
THEA 161, Acting I	3	-
Humanities & Fine Arts	3	-
Quantitative Reasoning	3	-
Social/Behavioral Science	3	-
Electives	6	7
HNES 491, Seminar	1	-
Totals	12	17

Summer Session

HNES 429, Recreation Internship (Capstone)	12	-
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Fourth Year

HNES 426, Parks & Rec Admin	3	-
HNES 427, Leisure & Society	3	-
SOC 440, Sociology of Aging	3	-
Electives	6	9
Totals	12	12
Curriculum Total		122

School of Education

www.ndsu.edu/ndsu/school_of_education

Students contemplating careers in education may be encouraged to learn there is a shortage of teachers in certain academic and geographical areas. This trend, together with the knowledge that preparation in teaching may also lead to successful careers in business, industry, and the public sector, may make education an excellent choice for versatile careers.

Programs in education at NDSU are administered by the School of Education. The School of Education programs are accredited at the undergraduate and graduate levels by the National Council for Accreditation of Teacher Education (NCATE) and are approved by the North Dakota Education Standards and Practices Board. NCATE accreditation assures that graduates of the program may be certified/licensed as teachers in other states, and also indicates that the programs offered through the School of Education are of high quality.

Through the School of Education, students are prepared to be teachers, counselors, and school administrators capable of working effectively with diverse populations. Through course work and field experiences, students come to an appreciation of and commitment to cultural diversity and to the elimination of inequitable instructional and institutional practices.

Note: Consult the School of Education regarding transfer credits.

Admission to the School of Education

Application forms and instructions for admission to the School of Education are available at the Teacher Education Office, 155 E. Morrow Lebedeff Hall. Students should check the School of Education Web site or contact the School of Education office for updates in procedures and requirements.

Students should apply for admission to the School of Education immediately following the introductory professional education course (EDUC 321). Late application may delay completion of program and graduation requirements. All applications to the school will remain valid for five years from the date of approval or until completion of the baccalaureate degree whichever comes first.

The Council for Teacher Education reviews and acts upon completed applications. The council is the body within the School of Education with jurisdiction over such matters as admission, retention, student teaching, and certification/licensure. The council informs the students of its action. For questions about admission policies, contact the Teacher Education Office.

Admission of Undergraduate Students

Undergraduate students may gain admission to the School of Education by meeting the following requirements:

1. Provide evidence of maintaining a minimum grade-point average of 2.75 in the student's total academic program. Transfer students shall complete a minimum of one semester's work and obtain a 2.75 institutional grade-point average at NDSU before their applications are processed.
2. Complete the following:
 - Provide evidence of achieving passing scores on the Praxis I test of basic skills. (The student is responsible for registering for the test and paying the appropriate fee.)
3. Provide evidence of competence in English through any one of the following:
 - minimum ACT English test standard score of 20.
 - minimum grade-point average of 2.50 in English 110 and 120 or equivalent.
 - minimum of a B grade in English 358 or equivalent writing course.
4. Achieve a grade of B or better in COMM 110 or equivalent.
5. Interview with Teacher Education faculty. Check with the Teacher Education office for sign up information.
6. Provide a letter of recommendation.
7. Provide three copies of portfolio reflections/rationales (stated in EDUC 321).

Students should submit a completed application for admission as soon as all of the preceding requirements have been satisfied. Up-to-date transcripts of all college-level work must accompany the application.

Admission of Post-Baccalaureate Students

Students with college degrees seeking teacher certification/licensure should contact the School of Education certification officer for more information.

NDSU students who continue in school after graduation or who resume their education within one year following graduation will be considered on the same basis as undergraduates.

Students whose undergraduate academic average was below 2.50 shall increase their overall undergraduate grade-point average to 2.50 or achieve and maintain an average of 3.00 on post-baccalaureate course work while meeting the following conditions:

1. Obtain 24 approved credits in two contiguous semesters, or equivalent.
2. Take each course for a grade other than pass/fail.

3. Obtain approval of all courses from the teacher education program.

Post-baccalaureate students must submit an application showing evidence of meeting the requirements listed under "Admission of Undergraduate Students."

Note: These policies refer to admission to Teacher Education for purposes of certification/licensure and are not recommendations for admission to Graduate School.

Student Teaching Policies

Prior to student teaching, all student teachers must meet all School of Education requirements including completion and submission of the verification of requirements form (available from the Teacher Education Office). Because student teaching is a full-time experience, students shall not participate in extracurricular activities on campus or participate in employment that detracts from student teaching and shall not be registered for course work other than student teaching (EDUC 487) and EDUC 485.

Program Exit Requirements

1. Students must complete a portfolio developed throughout the professional education courses based on the Intrastate New Teachers Assessment and Support Consortium (INTASC) standards.
2. Students must earn a minimum GPA of 2.75 in each of the following programs:
 - total academic programs
 - teaching specialties
 - professional education courses consisting of a minimum of 27 credits
3. Students may complete an application for state certification/licensure and pay the appropriate fee to the state upon completion of the program. Application forms for some states are available from the certification officer.

Special Notice

Changes in national and state legislation, standards, or rules may result in revised course work requirements. Students should contact the School of Education to keep abreast of possible developments in curriculum areas.

NDSU Student Education Association

Students in Teacher Education are encouraged to join the NDSU Student North Dakota Education Association, which is affiliated with the Student North Dakota Education Association and the National Education Association Student Program. Members of this organization receive a number of benefits including workshops, publications, and liability insurance, and have the opportunities to be involved with many of the committees that govern the teacher education program at NDSU.

Persons interested in membership details should contact the School of Education or the SNDEA Student Program advisor.

Students are also encouraged to join the professional organization(s) relevant to their teaching specialties.

Graduation Requirements

Graduation requirements for all students desiring teacher certification/licensure, secondary or K-12, include four basic parts: general education

requirements, college requirements, professional education requirements, and teaching specialty requirements.

1. General Education

<i>(minimum 36-37 credits)</i>	<i>Credits</i>
HD&E 189, Skills for Academic Success	1
Communication	9
Quantitative Reasoning	3
Science & Technology	10
Humanities & Fine Arts	6
Social & Behavioral Sciences	6
Wellness	2

2. College Requirement

HD&E 320, Professional Issues

3. Professional Education

The required common professional education sequence includes the following:

	<i>Credits</i>
EDUC 321, Intro to Teaching	3
EDUC 322, Educational Psychology	3
EDUC 381, Early Experience	1
EDUC 389, Nat Am/Multicultural Instr Prac	3
EDUC 451, Instr Planning, Meth, & Assessment	3
EDUC 481, Classroom Prac/Methods of Teaching	2-3
EDUC 485, Student Teaching Seminar	1
EDUC 486, Classroom Mgt of Diverse Learners	2
EDUC 487, Student Teaching	6-12

Additional credits are required for programs in Agricultural Education, English Education, Family and Consumer Sciences Education, Music Education, and Physical Education.

4. Teaching Specialty

See the School of Education for requirements for the following:

Agricultural Education	Health Education
Biological Sciences	History
Chemistry	Mathematics
Comprehensive Science	Music
Earth Science	Physical Education
English	Physics
Family and Consumer Sciences Education	Social Sciences
French	Spanish
	Speech Communication

Human and Community Education

State approved programs for the preparation of vocational education teachers are grouped under Human and Community Education (H&CE). Curricula in two areas are offered: Agricultural Education and Family and Consumer Sciences Education.

Agricultural Education

NDSU is designated by the State Board for Vocational Education as the recognized institution for preparing teachers of Agricultural Education. Programs are offered to prepare students for teaching Agricultural Education on the secondary, post-secondary, and adult levels. Graduates also secure employment in other agricultural occupations such as Cooperative Extension, government services, and agribusiness.

Upon completion of the program, students are eligible for certification to teach Agricultural Education in North Dakota and may be qualified for certification/licensure in a number of other states.

Family and Consumer Sciences Education

The Family and Consumer Sciences Education program at NDSU has been approved by the State Board for Vocational Education for the preparation of family and consumer sciences teachers.

Thus, graduates are qualified to teach family and consumer sciences classes in vocational or non-vocational school programs at junior and senior high school levels.

In addition to fulfilling teacher certification/licensure requirements for North Dakota, graduates may be qualified for certification/licensure in a number of other states.

Graduates are also qualified to teach in adult education programs and to serve as extension home economists. Alternate career opportunities include positions with utility companies, health and human service agencies, and retail establishments.

Middle School Endorsement for Grades 5-8

Middle school endorsement is available on a voluntary basis for students who will receive teacher certification for grades K through 12. For students who will be certified for grades 7 through 12, but wish to qualify for teaching grades 5 and 6 in their subject fields, middle school endorsement will be mandatory. For more information contact the School of Education.

K-12 Certification/Licensure for Health Education, Physical Education, and Music Majors

Certification/licensure for kindergarten through 12th grade programs (K-12) is available for students majoring in Health Education, Physical Education, or Music Education. The student must enroll in EDUC 300, Orientation to Elementary Education, CDFS 230, or PSYC 250, Elementary Teaching Methods, and student teach at both the elementary and secondary levels, as well as meet the specific requirements for each major department.

Elementary Education

A major in Elementary Education is available on the NDSU campus through a cooperative arrangement with Valley City State University, the degree-granting institution for this program.

Elementary Education/CDFS Dual Degrees

Students may concurrently earn a degree in Elementary Education from Valley City State University and a degree in Child Development and Family Science (Child Development option) from NDSU while located on the NDSU campus. It allows the student to earn two degrees from two universities in the timeframe it takes to usually earn one baccalaureate degree. See department for details.

Recommended Curriculum Extension Education Minor

The Extension Education minor provides educational background and presentation skills for individuals who seek careers associated with the Cooperative Extension Service. This minor is offered through the Agricultural Education and the Family and Consumer Sciences Education programs.

Credits

H&CE 341, Leadership & Presentation Techniques . . .	3
H&CE 345, Extension Education	2
H&CE 444, Planning the Community Program in Ag Educ <i>or</i>	
H&CE 468, Family Life & Adult Educ Programs . . .	3
H&CE 445, Technology Transfer in Agriculture.	3

H&CE 481, Methods of Teaching Agriculture <i>or</i>	
H&CE 482, Methods of Teaching Family & Consumer Sciences <i>or</i>	
EDUC 451, Instruc Planning Methods & Assessments	3
H&CE 496, Extension Internship	6-9
Curriculum Total	20-23

Title II Institutional Report

To comply with the requirements of Section 207 of Title II of the Higher Education Act, NDSU has provided the following information to the North Dakota Education Standards and Practices Board.

Section I. Pass rates

PPST Reading: NDSU Range 186-173, Median 182, N=60, National Range 187-151, Median 179.

PPST Writing: NDSU Range 187-171, Median 177, N=60, National Range 188-153, Median 176.

PPST Mathematics: NDSU Range 190-172, Median 184, N=60, National Range 190-150, Median 178.

Section II. Program information

- Number of students in the regular teacher preparation program:
 - Total number of students enrolled during 2002-2003: Full-time = 318; Part-time = 98
- Information about supervised student teaching:
 - Number of students in programs of supervised student teaching during academic year 2002-2003: 78
 - Number of supervising faculty who were:

Appointed full-time in professional education:	7
Appointed part-time in professional education and full time in the institution:	4
Appointed part-time in professional education, not otherwise employed by the institution:	0
Total number of supervising faculty for the teacher preparation program during 2002-2003:	11
 - The student/faculty ratio was (divide the total given in B2. by the number given in B3.): 8/1
 - The average number of hours per week required of student participation in supervised student teaching in these programs was: 40 hours. The total number of weeks of supervised student teaching required is 16. The total number of hours required is 640 hours.
- Information about state approval or accreditation of teacher preparation programs:
 - Is your teacher preparation program currently approved or accredited by the state? Yes
 - Is your teacher preparation program currently under a designation as "low-performing" by the state (as per section 208(a) of the HEA of 1998)? No

Section III. Contextual information

* *The School of Education at NDSU is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave NW, Suite 5000, Washington, DC 20036; phone (202)466-7496. This accreditation covers the institution's initial and advanced teacher education, advanced educational leadership, and advanced school counseling programs.*

The School Counseling program is accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP), 5999 Stevenson Avenue, Alexandria, VA 22304; phone(703)823-9800.

The initial and advanced teacher education, advanced educational leadership, and advanced school counseling programs at NDSU are approved/accredited by the North Dakota Education Standards and Practices Board (ESPB), 600 E. Boulevard Ave, Dept 202, Bismarck, ND 58505-0080; phone (701)328-2264.

The Teacher Education, Educational Leadership, and School Counseling programs at NDSU utilize the "Reasoned Action Model" as the organizing conceptual framework. A copy can be reviewed in room 210, Family Life Center, NDSU campus, phone 231-7921.

All initial Teacher Education candidates are required to prepare and submit portfolios as part of the assessment process.

For more information, contact Chair, NDSU School of Education, PO Box 5057, Fargo, ND 58105-5057. Telephone 231-7921.