COLLEGE OF HEALTH AND NURSING SCIENCES

- Advisement and Academic Enrichment Opportunities
- Pass/Fail Courses
- Dean's Scholar Program
- Health, Nutrition, and Exercise Sciences

The College of Health and Nursing Sciences includes the Departments of Health, Nutrition, and Exercise Sciences, Medical Technology, and Nursing. Undergraduate major degree programs are offered in Applied Nutrition, Athletic Training, Dietetics, Exercise Science, Health and Physical Education, Health Studies, Medical Technology, Nursing, Nutritional Sciences, and Health Behavior Management.

Students in the college are encouraged to engage in undergraduate research projects, internships, study abroad, seminars, and the college's numerous student organizations. Students interested in such opportunities should consult with their faculty advisor. For more information, contact Dean Betty Paulanka, 345 McDowell Hall, or send email to ud.chns@udel.edu or visit www.udel.edu/health

ADVISEMENT AND ACADEMIC ENRICHMENT OPPORTUNITIES

Students are assigned a faculty advisor in their major department to provide advice on course selection, degree requirements, career opportunities, and graduate study. Faculty advisors can also assist with setting up special opportunities such as internships and research experience. It is recommended that students meet with their faculty advisors at least once each semester. The Office of the Assistant Dean for Student Services, 343 McDowell Hall also provides advisement to students who experience academic difficulties or who require additional guidance or information.

Students in all of the college's majors are eligible to participate in the University's Honors Program, undergraduate research, and Degree with Distinction Honors Degrees are available to students in programs offered by the Departments of Health, Nutrition, and Exercise Sciences, Medical Technology, and Nursing

PASS/FAIL COURSES

Courses taken pass/fail cannot be used to complete major requirements in the College of Health and Nursing Sciences unless those courses only are offered on a pass/fail basis. Pass/fail courses can be counted only as free electives.

- Health Studies
- Medical Technology
- Nursing

DEAN'S SCHOLAR PROGRAM

The Dean's Scholar Program exists to serve the needs of students whose clearly defined educational goals cannot be effectively achieved by pursuing the standard curricula for all existing majors, minors, and interdepartmental majors sponsored by the University Driven by an overarching passion or curiosity that transcends typical disciplinary bounds and curricula, a Dean's Scholar's intellectual interests may lead to broad interdisciplinary explorations of an issue or to more intense, in-depth studies in a single field at a level akin to graduate work. In consultation with faculty advisors and the Associate or Assistant Dean of their college, Dean's Scholars design an imaginative and rigorous individual plan of study to meet the total credit hours required for graduation. Contact the Assistant/Associate Dean in the college or go to www.udel.edu/deansscholar/ for more information and the application

HEALTH, NUTRITION, AND EXERCISE SCIENCES

The Department of Health, Nutrition and Exercise Sciences offers undergraduate majors in Applied Nutrition, Athletic Training, Dietetics, Exercise Science, Health and Physical Education, Health Behavior Management, and Nutritional Sciences, all with Honors Degree options, as well as minors in Coaching Science, Nutrition, and Strength and Conditioning. The programs integrate background coursework in the natural and physical sciences, and, for some programs, courses in business, with the study of the major field. This broad spectrum of undergraduate programs prepares students for a variety of careers in the arenas of health care, education, recreation, and sport/fitness/nutrition management, as well as business, industry, and public, private, or government agencies.

Each student's academic advisor, a faculty member with expertise in the student's field of interest, will assist in selecting courses and experiences that focus on the student's interests and professional goals. Careful selection of liberal arts requirements and elective courses allows students to pursue a minor or an area of interest outside of the college, a double degree, double major, or interdepartmental major. Students are encouraged to meet with their faculty advisors at least once each semester. Failure to meet regularly with a faculty advisor can result in a delay in graduation if program requirements have not been met.

Students are encouraged to enrich their academic programs by participating in study abroad experiences, seminars, and student organizations. To enhance prospects for employment and obtaining internships, students are encouraged to seek experiences outside the classroom. For those planning to pursue a graduate program, research apprenticeships are available. Opportunities exist for students to participate as student members of national, regional, and statewide professional organizations related to each major.

There are several special academic opportunities for exceptionally talented and highly motivated students. Students in each major may participate in the University's Honors Program, undergraduate research, and the Degree with Distinction program. The College's Dean's Scholar Program also provides qualified students with the opportunity to develop individualized programs of study.

Major Degree Programs

The Applied Nutrition major is designed for the student who can creatively combine the study of nutrition with other academic areas. The curriculum is flexible so that a focus such as Gerontology, Food Service Management, Pediatrics or Fitness may be incorporated.

The Athletic Training major is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). This major prepares students for taking the NATABOC exam for certification as an Athletic Trainer (ATC.)

The completion of the Dietetics major is the first step leading to the attainment of certification as Registered Dietitian by the American Dietetic Association (ADA). The University of Delaware's Didactic program in Dietetics is currently granted initial accreditation status by the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association, 120 South Riverside Plaza, Suite 2000, Chicago IL 60606-6995, 312-899-4727. Students in this major complete the professional practice requirement after the Bachelor of Science degree by completing an ADA dietetic internship. See the Graduate section of the Catalog for information on the Dietetic Internship Program.

Concentrations within the Exercise Science major allow students to further specialize in Biomechanics, Exercise Physiology or Figure Skating Science. Graduates of the program in Biomechanics are prepared to work in Gait Analysis laboratories or to go on for further graduate or professional study in Physical Therapy. The Exercise Physiology concentration is designed primarily for students interested in going on to graduate school, Physical Therapy School, or a Medical School. Figure Skating Science is for students who are advanced figure skaters and plan to become figure skating coaches. This unique program enables students to intern with the world class figure skating coaches in residence at the University of Delaware who are training many of the top competitive figure skaters in the world.

The Health and Physical Education program is accredited by the National Council for Accreditation of Teacher Education (NCATE). This comprehensive program prepares students to teach both health education and physical education in grades K-12. Students in this major begin regular exposure to teaching students in the schools early in the program.

Students in the Health Behavior Management major select a concentration in Fitness Management, Sport Management, or Recreation and Park Administration. Internships, practicums, and clinical experiences are available in each program. The Fitness Management curriculum prepares students for work in the health and fitness industry. Sport Management is for students interested in managerial or administrative positions in the sport industry or academics. Recreation and Park Administration prepares students for leadership positions in the recreation industry.

The Nutritional Sciences major is for students who want to focus strongly on the science aspects of human nutrition. As a premedical

program, it prepares students for careers in dentistry, veterinary and human medicine, laboratory research in nutrition, or positions with companies or agencies requiring the extensive use of a strong science and human nutrition background.

LIFETIME ACTIVITIES PROGRAM

A varied activity program is available to all students on a pass/fail credit basis. Courses are provided for all levels of ability and interests.

The objectives of the lifetime activities program are: (1) to provide knowledge and skills essential for leisure-time enjoyment, (2) to develop healthy exercise habits as well as a sound knowledge base in the scientific principles of physical activity, and (3) to provide an enjoyable atmosphere for learning skills that encourage lifetime participation.

HONORS DEGREES IN THE DEPARTMENT OF HEALTH, NUTRITION, AND EXERCISE SCIENCES

Students can earn an Honors Bachelor of Science Degree in Applied Nutrition, Athletic Training, Dietetics, Exercise Science, Health Behavior Management, Health and Physical Education, or Nutritional Sciences by completing the following requirements:

- 1. All requirements for the Bachelor of Science Degree in the respective major.
- 2. All of the University's generic requirements for the Honors Baccalaureate Degree (see page 45).

Telephone: (302) 831-2265 www.udel.edu/HESC

APPLICATION PROCEDURES

Entering freshmen and transfer students may be admitted directly into the majors in Applied Nutrition, Dietetics, and Nutritional Science. Freshmen seeking admission to the majors in Athletic Training, Exercise Science, Health and Physical Education, and Health Behavior Management are admitted to interest groups associated with each major. Freshmen participating in an interest group are eligible to apply for admission to one of these majors at the end of the freshman year.

The department reviews applications from University of Delaware students who wish to change majors twice a year, with applications due on December 15th and June 1st. Applications are available 30 days prior to each due date. Students are notified of admission decisions after semester grades are posted. Students not admitted to a major may apply again the following semester.

To be eligible for admission to a department major, students must have completed at least 12 credits at the University of Delaware with a minimum GPA of 2.50 and must have met the criteria for admission to each respective major. Some majors have more stringent GPA requirements and some majors are restricted due to enrollment limits

Enrollment in HESC major courses is restricted to majors. Non-majors are allowed to register for 100- and 200-level courses through the drop/add process if space is available. Non-majors are not normally permitted in 300- and 400-level courses.

DEGREE REQUIREMENTS FOR MAJORS WITHIN THE DEPARTMENT OF HEALTH, NUTRITION, AND EXERCISE SCIENCE

GENERAL STUDIES REQUIREMENTS

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-)

3

Multicultural course:
Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content.
This course can be used in the Breadth Requirements, Major Requirements, or Electives

BREADTH REQUIREMENTS

HUMANITIES AND COMMUNICATION SKILLS

Students choose selected courses from the following departments: Art, Art History, Communication, Comparative Literature, English, Foreign Language (including: CHIN, FREN, GREK, GRMN, HEBR, ITAL, JAPN, LATN, PORT, RUSS, SPAN), Foreign Languages and Literatures, Jewish Studies, Linguistics, Museum Studies, Music, Philosophy, Theatre, Women's Studies (WOMS 203, 205, 210, 216, 222, 318, 320, 326, 328, 330, 353, 380, 382, 389, 465, 480), Science and Culture (CSCC 229, 241, 246, 250, 330, 365, 368, 369, 444)

SOCIAL SCIENCES

HESC 357 HESC 358 HESC 395

HESC 400

Students choose selected courses from the following departments: Anthropology, Black American Studies, Business Administration, Criminal Justice, Economics (including FREC 150), History, Individual and Family Studies (IFST 201, 221, 230, 329, 401, 403, 405, 422), Political Science, Psychology (except 309 and 314), Sociology, Women's Studies (WOMS 201, 202, 206, 207, 211, 212, 213, 233, 240, 291, 298, 299, 300, 305, 323, 333, 350, 363, 407, 413, 415, 430, 436, 460, 498), Science and Culture (CSCC 233, 311, 355, 382).

BIOLOGICAL AND NATURAL SCIENCES AND MATHEMATICS

Students choose selected courses from the following departments: Accounting, Animal Science, Biological Sciences, Chemistry, Computer and Information Science, Computer Engineering, Electrical Engineering, Engineering Technology, Materials Science, Mechanical Engineering, Entomology and Wildlife Ecology, Food Science, Geography, Geology, Marine Studies, Mathematics, Medical Technology, Nutrition and Dietetics, Psychology (PSYC 209 and 314), Physics and Astronomy, Plant and Soil Sciences, Science, and Statistics

DEGREE MAJOR:	: BACHELOR OF SCIENCE ATHLETIC TRAINING	
CURRICULU!	M C	REDITS
ENGL 110	Critical Reading and Writing (minimum grade C-)	3
Multicultural Three credits and/or geno	course: in an approved course or courses stressing multi-cultural, ethnic ler-related course content	:, . 3
Humanities of Including: C	REQUIREMENTS and Communication Skills* acc 241 (3 credits) e courses from at least two different departments	9
	ces YC 100 (3 credits)	6
MATH course BISC 207 NTDT 200	ogical Sciences and Mathematics e at the 100-level or higher Introductory Biology I Nutrition Concepts General Chemistry	. 4
MA IOP P	EQUIREMENTS (minimum grade C- in each)	
NTDT 200 PSYC 100 BISC 207 BISC 276 STAT 200 CSCC 241 HESC 210 HESC 214 HESC 220 HESC 240 HESC 257 HESC 258 HESC 350 HESC 350	Nutrition Concepts General Psychology Introductory Biology I Human Physiology Basic Statistical Practice Ethical Issues in Health Care Safety, First Aid and Emergency Care Wellness: A Way of Life Anatomy and Physiology Introduction to Athletic Training Athletic Training Practicum I Advanced Taping and Bracing Methods Principles of Strength/Conditioning Basic Concepts in Kinesiology	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Athletic Training Practicum II
Athletic Training Practicum III

Sports Medicine Pharmacology

Research Methods

HESC 405 HESC 407 HESC 409 HESC 420 HESC 425	Rehabilitation of Athletic Injuries Prevention/Recognition/Athletic Injuries Therapeutic Modalities Functional Human Anatomy Biomechanics of Human Movement	3 4 4
or HESC 426 HESC 430 HESC 431 HESC 440 HESC 448 HESC 449 HESC 457 HESC 480 HESC 481	Biomechanics I Physiology of Activity Physiology of Activity Lab Strategies for Athletic Peak Performance. Organization & Administration/Athletic Training. Advanced Topics in Sports Medicine Athletic Training Practicum IV Upper Extremity and Spine Evaluation Lower Extremity and Spine Evaluation	3 1 3 3 3 3 3

ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credits required for the degree.

CREDITS TO TOTAL A MINIMUM OF.................. 120

ATHLETIC TRAINING: Admission Requirements and Application Procedure

Incoming freshmen and transfer students interested in the athletic training major are admitted to "Athletic Training Interest" program. At the completion of the freshman year, students seeking admission into the athletic training major must have completed the following:

Freshman Year - Athletic Training Curriculum:

1 a. h. 1011E11 1001

General Studies																		
HESC 214 HESC 220								 	* 1		- 4 -			-	e se La		. 3	
General Studies	(PSYC 100)							 		 							∴3	
General Studies								 		 	- 1		٠	٠		.1	<u>3</u> 16	
General Studies	ENGL 110 -	Sprii	ng C	nly)	 4	4 6 .	 				.0		-			3	
General Studies																		
General Studies																		
HESC 210 HESC 240 (Spri										 		-11			. :		3	
																	15	

Those courses in BOLD are used to calculate the Prerequisite Courses GPA.

TECHNICAL STANDARDS FOR ADMISSION

The Athletic Training Education Program at the University of Delaware is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Education Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency (Commission on Accreditation of Allied Health Education Programs – "CAAHEP") The following abilities and expectations must be met by all students admitted to the Athletic Training Education Program. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program.

Compliance with the program's technical standards does not guarantee a student's eligibility for the National Athletic Trainers' Association Board of Certification (NATABOC) examination.

Candidates for selection to the Athletic Training Education Program must demonstrate:

- 1 the mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
- 2 sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely, and efficiently use equipment and materials during the assessment and treatment of patients;
- 3. the ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information

effectively Students must be able to understand and speak the English language at a level consistent with competent professional practice;

 the ability to record the physical examination results and a treatment plan clearly and accurately;

 the capacity to maintain composure and continue to function well during periods of high stress;

 the perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;

flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;

affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Candidates for selection to the Athletic Training Education Program will be required to verify that they understand and meet these technical standards or that they believe, with certain accommodations, they can meet the standards

The Director of Affirmative Action and Multicultural Programs will evaluate a student who states he/she could meet the program's technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws

If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes determination as to whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internships deemed essential to graduation.

Eight criteria are evaluated as part of the admission process in accepting students into the Athletic Training Education Program:

- 1. Overall GPA
- 2 Prerequisite Courses GPA
- 3 Directed Observation Hours
- 4. Letters of Recommendation
- Interview
- 6 Essay
- 7. Clinical Evaluations
- 8 Clinical Competency Evaluation Checklist

In evaluating the criteria, different ranking scales (1-5, 1-10, etc) are used. For each criterion, the student with the highest ranking receives the lowest number awarded. Students are evaluated under the eight criteria in the following manners:

Overall GPA – For purposes of scoring on this criterion, students are first divided into groups, with group size based on the size of the applicant pool. To determine group size, the total number of candidates applying for admission to the program is divided by 10. For example, if 20 students apply, 20 is divided by 10 and the result is 2. In cases where the result falls between whole numbers, (e.g. 2.6), the number is rounded up or down depending on where it falls on the scale. A result of 2.5 is rounded upward, for a score of (3), whereas 2.4 is rounded downward for a score of (2). We then rank the overall GPAs of the applicants from high to low. If group size has been determined to be 2, the student applicants are then placed in groups of 2, with the 2 students with the highest GPAs receiving a score of (1). The students with the next 2 highest GPAs receive a score of (2). We continue scoring the students until everyone receives a score

Prerequisite Courses GPA – Four classes (HESC 210, HESC 214, HESC 200 and HESC 240) are used to calculate the Prerequisite Courses GPA. The candidates' GPAs are ranked from high to low. The student with the highest GPA receives a score of (1); this number is then multiplied by a weighting factor of 2, (1 X 2=2), for a score of 2 We continue scoring the students until everyone receives a score We weight this criterion more heavily than others because we believe the Prerequisite Courses GPA is a very good predictor for success in our program

Directed Observation Hours – Students are assigned by the Coordinator of the "Athletic Training Interest" program to a variety of clinical venues to gain valuable directed observation hours. Students who obtain between 50-99 directed observation hours receive a score of (4). Students who obtain between 100-149 directed observation hours receive a score of (3). Students who obtain between 150-199 directed observation hours receive a score of (2). Students who obtain over 200 directed observation hours receive a score of (1).

Letters of Recommendation – Students seeking admission into the ATEP will be asked to secure 3 letters of recommendation from individuals who can attest to their personality and clinical abilities. Letters of recommendation are evaluated with scores of (1-5), with 1 being best. Each athletic training faculty member reads and scores each of the 3 letters of recommendation. All letters of recommendation are read independently. The scores from all the evaluators are added together

and then divided by the total number of evaluators. The averaged score is then recorded on the admission ranking form

Interview – Candidates seeking admission to the ATEP are given a formal interview conducted by the athletic training faculty, in May of each year. Each evaluator uses a standardized form, worth 100 points. At the end of the interview process the score for each candidate is totaled and then divided by the number of evaluators to get an average interview score. The student with the best average interview score receives a score of (1), next highest is given a score of (2), and so on, until everyone has a score. This score is then multiplied by a weighting factor of 2 (i.e. 1 X 2 = 2. 2 X 2 = 4, etc.). We weight this criterion more heavily than others because we believe the *Interview* is a very good predictor for success in our program.

Essay – The essay is scored using the same method as was described for Letters of Recommendation

Clinical Evaluations – Students are required to complete a series of clinical rotations to 4 different sites during the interest phase of the program. At each site, they are formally evaluated by Approved Clinical Instructors ("ACI's"). Clinical performance is critiqued on both "Skills/Abilities" and "Personal Attributes" using a Likert scale (0-5). The overall evaluation score that combines both "Skills/Abilities" and "Personal Attributes" is averaged across all 4 rotations, with higher evaluation scores being better. The evaluation scores for each student are rank ordered from highest to lowest. The Clinical Evaluations are then scored using the same procedure described for Overall GPA.

Clinical Competency Evaluation Checklist – Students are expected to complete the "Clinical Competency Evaluation Checklist" during the course of the academic year (September - May). A percentage of "ACI check-offs" is calculated by dividing the total number of possible "check-offs," (147), by the number of competencies checked off as having been completed. For example, if a students completes 112 competencies, 112/147 = 76.2%. The percentage scores for each students are rank ordered from highest to lowest. The Clinical Competency Evaluation Checklist criterion is then scored using the same procedure described for Overall GPA.

When all the criteria have been scored, the 8 scores are added together, to make a grand total score The candidate with the lowest grand total score is ranked as the first candidate who will be offered admission to the ATEP.

Acceptance into the program is based upon the stated criteria and the number of available openings in the program. Meeting the minimum admission requirements does not guarantee acceptance into the program. Offers of admission into the Athletic Training Education Program are presented on a competitive basis to those individuals who are most qualified. Students may apply for admission to the program at the end of the spring semester. Acceptance/rejection letters will be mailed to each candidate by July 1

Students interested in transferring from another institution or from another major at the University of Delaware must meet University and College of Health and Nursing Sciences transfer requirements and complete the same requirements as freshmen in the "Athletic Training Interest" program.

Students enrolled in the Athletic Training Education Program meet with the Program Director to plan the clinical education experience Clinical education experiences are initiated in the first year of the student's program and are designed to provide the student with sufficient opportunity to develop specific competencies and proficiencies pertaining to the health care of the athlete and those involved in physical activity. The clinical experience provides the student with an opportunity for integration of psychomotor, cognitive and affective skills within the context of direct patient care. The skills are identified within the psychomotor and clinical proficiencies aspects of each of the domains included in the document, "Athletic Training Education Competencies." The development of psychomotor skills represents a significant focus of the student's clinical experience; ample opportunity is also provided for development and demonstration of competencies within the cognitive and the affective aspects of each domain identified in the above document

A minimum period of 3 academic years of clinical experience associated with course credit is required. The clinical setting includes the athletic training rooms, athletic practices, competitive events, sports medicine clinics, high school venues, and research environments for a minimum of 3 academic years under the direct supervision of an Approved Clinical Instructor (ACI). The student is exposed to upper extremity, lower extremity, equipment intensive, and general medical experiences of both genders. An Approved Clinical Instructor (ACI) formally evaluates each athletic training student at the end of each clinical rotation

Once students are admitted to the program, they are required to maintain the following minimum standards:

CONCENTRATION REQUIREMENTS (minimum grade C- in each)

BISC 276 Human Physiology

- Complete at least 200 clinical hours per semester;
- Maintain a GPA of at least 2.0:
- Achieve satisfactory clinical education evaluations; Meet the technical standards for admission.

Students who do not maintain the above minimum standards are placed on probation and are required to correct all deficiencies by the end of the next semester Students who do not correct deficiencies are dropped from the curriculum.

NATABOC REQUIREMENTS FOR CERTIFICATION

In order to qualify as a candidate for the BOC certification examination, an individual must meet the following requirements:

- Endorsement of the examination application by the CAAHEP Accredited Program Director
- Proof of current certification in CPR (Note: CPR certification must be current at the time of initial application and any subsequent exam retake registra-

EXERCISE SCIENCE: BIOMECHANICS AND EXERCISE PHYSIOLOGY

CONCENTRATIONS

ADMISSION REQUIREMENTS AND APPLICATION PROCEDURE Incoming freshmen and transfer students interested in the Exercise Science major are admitted to "Exercise Science Interest" After the completion of the freshman year, students may apply for admission to the Exercise Science major and a concentration within the major. A faculty admission committee for each concentration will make decisions on acceptance based on the following criteria:

- A competitive cumulative GPA. (Students admitted to the major in recent
- years have had GPAs of at least 3 0.)
 Successful completion (minimum grade C-) of the following courses: CHEM 103, CHEM 104, and BISC 207, BISC 208
 Completion of the appropriate application form for the chosen concentration
- Applications are accepted at the end of each Fall and Spring semester.

 Students interested in Biomechanics also must have successfully completed (minimum grade C-) MATH 241

DEGREE: BACHELOR OF SCIENCE MAJOR: EXERCISE SCIENCE CONCENTRATION: BIOMECHANICS

CURRICULUA	A PARTER AND THE COMMENT	DITS
UNIVERSI ENGL 110	TY REQUIREMENTS Critical Reading and Writing (minimum grade C-)	3
Multicultural of Three credits and/or gende	course: in an approved course or courses stressing multi-cultural, ethnic, er-related course content	3
BREADTH Humanities a	REQUIREMENTS nd Communication Skills	9
Social Scienc PSYC 100 PSYC 325 or		3
PSYC 334	Abnormal Psychology	3
Natural/Biolo CHEM 103 CHEM 104 MATH 241 NTDT 200 BISC 207 BISC 208	ogical Sciences and Mathematics General Chemistry General Chemistry Analytic Geometry and Calculus A Nutrition Concepts Introductory Biology I. Introductory Biology II	4 3 3 4
MAJOR RE HESC 210 HESC 350 HESC 426 HESC 430 HESC 431	EQUIREMENTS (minimum grade C- in each) Safety, First Aid, & Emergency Care Basic Concepts in Kinesiology Biomechanics I Physiology of Activity Physiology of Activity Lab	3 3 4 3

or BISC 306 CISC 105 HESC 310 HESC 400 HESC 427 MATH 242 MATH 349 MEEG 112 MEEG 211 PHYS 207 PHYS 208 STAT 200	General Physiology 3 General Computer Science 3 Pre-Clinical Anatomy and Physiology 3 Research Methods 3 Biomechanics II 3 Analytic Geometry and Calculus B 4 Elementary Linear Algebra 3 Statics 3 Dynamics 3 Fundamentals of Physics I 4 Fundamentals of Physics II 4 Basic Statistical Practice 3
ELECTIVES After required meet the mini	
CREDITS TO	O TOTAL A MINIMUM OF 120
MAJOR:	BACHELOR OF SCIENCE EXERCISE SCIENCE FRATION: EXERCISE PHYSIOLOGY
CURRICULUM	
UNIVERSITENGL 110	TY REQUIREMENTS Critical Reading and Writing (minimum grade C-) 3
Multicultural of Three credits in and/or gende	ourse: in an approved course or courses stressing multi-cultural, ethnic, er-related course content.
Humanities ar	REQUIREMENTS and Communication Skills 9
Social Science PSYC 100 PSYC 325	
PSYC 334	Abnormal Psychology 3
Natural/Biolo CHEM 103 BISC 207 NTDT 200 MATH 221	gical Sciences and Mathematics General Chemistry 4 Introductory Biology I 4 Nutrition Concepts 3 Calculus I 3
Additional Bre 9 additional o	eadth Requirements redits can be chosen from any Group(s) above
MAJOR RE HESC 210 HESC 350 HESC 426 HESC 430 HESC 431	GUIREMENTS (minimum grade C- in each) Safety, First Aid, & Emergency Care 3 Basic Concepts in Kinesiology 3 Biomechanics I 4 Physiology of Activity 3 Physiology of Activity Lab 1
CONCENTI BISC 208 BISC 276 or	RATION REQUIREMENTS (minimum grade C- in each) Introductory Biology II 4 Human Physiology 4
BISC 306 CHEM 104 HESC 305 HESC 310 HESC 353 HESC 400 HESC 432	General Physiology 3 General Chemistry 4 Fundamentals of Athletic Training 3 Pre-Clinical Anatomy and Physiology 3 Seminar in Exercise Physiology 1 Research Methods 3 Basic Exercise Prescription
HESC 434 PHYS 201 PHYS 202 STAT 200	Exercise Test Technology 3 Introductory Physics I 4 Introductory Physics II. 4 Basic Statistical Practice 3
\$	

ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credits required for the degree

CREDITS TO TOTAL A MINIMUM OF...... 120

EXERCISE SCIENCE: FIGURE SKATING SCIENCE CONCENTRATION

ADMISSION REQUIREMENTS AND APPLICATION PROCEDURE Incoming freshmen and transfer students interested in the Exercise Science major with a concentration in Figure Sketting Science are admitted to "Exercise Science Interest." After the completion of the freshman year, students may apply for admission to the Exercise Science major and the figure skating science concentration within the major. A faculty admission committee for each

concentration will make decisions on acceptance based on the following criteria:

- A competitive cumulative GPA.
- Successful completion (minimum grade C-) of the following courses: HESC 210, HESC 220, and a biology course with a lab
- Completion of the appropriate application form. Applications are accepted
- at the end of each Fall and Spring semester.
 Figure Skating Science has an additional requirement: Each student must meet with the Director of the Figure Skating Science Concentration to determine the content of the student must meet with the Director of the Figure Skating Science Concentration to determine the student must be stude mine eligibility.

DEGREE: BACHELOR OF SCIENCE MAJOR: EXERCISE SCIENCE

CONCENTRATION: FIGURE SKATING SCIENCE

CONCENTALITATION TROCKED DIE	 	-	
CURRICULUM		CREDITS	
UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing (minimum grade C-)		3	
Multicultural course:			

and/or gender-related course content **BREADTH REQUIREMENTS**

Three credits in an approved course or courses stressing multi-cultural, ethnic,

Humanities and Communication Skills Note: Must include courses from at least two departments.

Including: PSYC 100

Note: Must include courses from at least two departments.

Natural/Biological Sciences and Mathematics	 . 14
MATH at the 100-level or higher	
Biology	
NTDŤ 200	
Note: Must include two 4 credit sciences	*

Additional Breadth Requirements

9 additional credits can be chosen from any Group(s) above

MAJOR R	EQUIREMENTS (minimum grade C- in each)
HESC 210	Safety, First Aid, and Emergency Care
HESC 350	Basic Concepts in Kinesiology
HESC 425	Biomechanics of Human Movement
HESC 430	Physiology of Activity
HESC 431	Physiology of Activity Lab
2	

CONCENT	RATION REQUIREMENTS (minimum grade C- in each)
HESC 220	Anatomy and Physiology 3
HESC 250	Motor Development
HESC 261	Leisure Service Programming
HESC 300	Issues in Physical Activity and Sports
HESC 305	Fundamentals of Athletic Training
HESC 320	Principles of Strength and Conditioning
HESC 324	Measurement and Evaluation 3
HESC 347	Legal Aspects of Sport Management
HESC 355	Figure Skating Practicum I
HESC 356	Figure Skating Practicum II
HESC 440	Strategies for Athletic Peak Performance.
HESC 455	Figure Skating Practicum III
HESC 456	Figure Skating Practicum IV
NTDT 310	Nutrition and Activity 3

ELECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credits required for the degree

HEALTH AND PHYSICAL EDUCATION: ADMISSION REQUIREMENTS AND APPLICATION PROCEDURE

Incoming freshmen and transfer students interested in the Health and Physical Education teacher preparation program are admitted to "Health and Physical Education Interest." After the completion of the freshman year, students may apply for admission into the Health and Physical Education major. A faculty admission committee will make decisions on acceptance based on the following criteria:

Successful completion (minimum grade C-) of the following required Freshman year

PSYC 100	79 B	and the second of the second o	3
HESC 139		The Section 1	3
HESC 143			1
HESC 214			
*BISC w/lab			4
Total Credits			16
ENGL 110			
MATH course			
HECC 1 / 1	456 TO COOK		
HESC 140			3
HESC 220			
HESC 230 Group Fo	cilitation Skills i	in Health and Phys	sical Education 3
Total Credits			

*BISC with lab is recommended during the first year in order for students to be able to complete the program in eight semesters, but are not required for admission to the program

Minimum cumulative GPA of 2.5 and major GPA of 2.75

Submission of a satisfactory Introductory Professional Portfolio that demonstrates a commitment to teaching (See Program Director for details)

Completion of the appropriate application form for the major. Applications are accepted at the end of each Fall and Spring semester.

REQUIREMENTS FOR PROGRESSION THROUGH THE PROGRAM

Criteria For Admission to the Methods Block (HESC414, 370, and 380)

- Passing score on Praxis I

9

- Minimum cumulative GPA of 2.50
- Minimum GPA of 2.75 in the major
- A grade of C- or better in all required courses within the major
- Completion of all required HESC courses (with the exception of HESC 426, 430, 431, 465)
- Completion of all required EDUC courses (with the exception of EDUC 420, 430, and 400)
- Submission of a satisfactory Working Portfolio (See Program Director for details)

Criteria for Admission to Student Teaching in Health and Physical Education

- Minimum cumulative GPA of 2.50
- Minimum GPA of 2 75 in the major
- A grade of C- or better in all required courses within the major.
 Completion of all required HESC courses (with the exception of HESC 426, 430, 431, 465)
- Completion of all required EDUC courses (with the exception of EDUC 430 and 400)
- Submission of a satisfactory Presentation Portfolio (See Program Director for details)

DEGREE: BACHELOR OF SCIENCE MAJOR: HEALTH AND PHYSICAL EDUCATION

CURRICULUM CREDITS

UNIVERSITY REQUIREMENTS

Critical Reading and Writing ENGL 110 (minimum grade C-)

Multicultural course: Three credits in an approved course or courses stressing multi-cand/or gender-related course content	cultural, ethnic,
BREADTH REQUIREMENTS Humanities and Communication Skills* *Must include courses from two different departments	
Social Sciences PSYC 100 General Psychology	
Natural and Biological Sciences and Mathematics Including: MATH Biology NTDT 200 Note: The BISC (Biology) course must include a lab	ing isological Book objects
Additional Breadth Requirements 3 additional credits can be chosen from any area.	3,
ALA ION DEGLESSIATELES	11
EDUC 400 Student Teaching EDUC 414 Educational Psychology Social Aspects EDUC 415 Educational Psychology Cognitive Aspects EDUC 417 Diversity in the Classroom (fulfills University multicultural requirement)	3
EDUC 420 Reading in the Content Area EDUC 430 Classroom Management	
Students must have a minimum cumulative GPA of 2.500, a GI least 2.750, and must apply to student teach at least one seme	
HESC 121 Water Safety Instruction	
HESC 122 Lifeguard Training HESC 139 Curriculum in Physical Education HESC 140 Fundamental Skills Analysis	
HESC 141 HESC 143 Adventure Challenge and Outdoor Recreation Skills, Techniques and Knowledge of Stunts, Tumbling and Gymnastics. HESC 210 HESC 214 HESC 220 HESC 220 HESC 230 HESC 230 HESC 251 HESC 251 Skills, Techniques and Knowledge of Rhythms an Lifetime Leisure Activities HESC 255 HESC 275 HESC 275 HESC 276 Personal Computers in Health, Physical Education and Recreation HESC 200 H	ports 1 3
HESC 300 Issues in Physical Activity Studies and Sports HESC 315 Instructional Strategies for Drug Education HESC 324 Measurement and Evaluation HESC 325 Instructional Strategies for Human Sexuality HESC 330 Teaching Community and Mental Health HESC 332 Hesc 332 Hesc 332 Hesc 342 Hesc 370 Practicum in Methods of Elementary Physical Education HESC 380 Practicum in Methods of Secondary Physical Education HESC 414 Methods and Materials in Health Education	3 3 3 3 3 3 0 0 0 0 0 0 0 3 0 0 0 0 0 0
HESC 425 HESC 430 HESC 431 HESC 431 HESC 465 HES	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
In order to apply for Upper Division Clearance and enroll in m students must have completed all HESC and EDUC required co 430, HESC 431, HESC 426, EDUC 420, EDUC 430, EDUC 465. Students must have a minimum GPA of 2 750 in the majo overall, and have completed PRAXIS I with a passing score CREDITS TO TOTAL A MINIMUM OF	urses except HESC 100, and HESC or and 2 500

HEALTH BEHAVIOR MANAGEMENT: ADMISSION REQUIREMENTS AND APPLICATION PROCEDURE

Incoming freshmen and transfer students interested in the Health Behavior Management major are admitted to "Health Behavior Management Interest." After the completion of the freshman year, students may apply for admission to the Health Behavior Management major and a concentration within the major. A faculty admission committee for each concentration will make decisions on acceptance based on the following criteria:

- Successful completion (minimum grade of C) of General Studies PSYC and SOCI courses, HESC 155, HESC 210, ENGL 110 and a MATH course.

 Successful completion (minimum grade of C) of HESC 202 (For students
- Successful completion (minimum grade of C-) of HESC 202 (For students applying for the Sport Management or Recreation and Park Administration concentrations)
- A competitive cumulative GPA
- 4 Submission of a resume.

Multicultural course:

5 Completion of the appropriate application form for the chosen concentration, including an essay Applications are accepted at the end of each Fall and Spring semester

MAJOR:	: BACHELOR OF SCIENCE HEALTH BEHAVIOR MANAG TRATION: FITNESS MANAGE	
CURRICULU!	M	. e we
	TY REQUIREMENTS Critical Reading and Writing (minimum grade C-)	

Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content	3	
BREADTH REQUIREMENTS Humanities and Communication Skills Note: Must include courses from two different departments	9	
Social Sciences Psychology Sociology	3	

Including: MATH						
Biology						
NTDT 200 (3) STAT 200 (3)					100	
Note: The BISC co	urse must incl	ude c	lab			

Additional Breadth Requirements

Natural and Biological Sciences and Mathematics 13

Chosen from	Chosen from any area above	
MAJOR R	EQUIREMENTS (minimum grade C- in each) Records and Accounts	3
or		- 7
ACCT 200	Survey of Accounting	
BÚAD 100	Introduction to Business	
HESC 155	Personal Health Management An Approach for a Lifetime	3
HESC 200	Issues in Health Behavior Management	3
HESC 210	Safety, First Aid and Emergency Care	
HESC 332	Health Behavior Theory and Assessment	3

HESC 210	Safety, First Aid and Emergency Care
HESC 332	Health Behavior Theory and Assessment
HESC 335	Health and Aging
HESC 342	Survey in Adaptive Physical Education 3
HESC 354	Seminar in Fitness Management
HESC 400	Research Methods
HESC 422	Organization and Administration of Leisure Services 3
HESC 464	Internship 10% 10 your and 10 10 9.1
CONCENT	RATION REQUIREMENTS (minimum grade C- in each)
	Anatomy and Physiology 3

TIESC ZZO	Andiomy did i hystology
HESC 263	Leadership Practicum
HESC 305	Fundamentals of Athletic Training
HESC 320	Strength and Conditioning
HESC 329	Dynamics of Team Problem Solving 3
HESC 350	Basic Kinesiology
HESC 430	Physiology of Activity.
HESC 431	Physiology of Activity Lab
HESC 432	Basic Exercise Prescription
	·

CREDITS

HESC 445 Concepts of Physical Fitness Testing 3 HESC 490 Development of Health Promotion Programs 3 NTDT 310 Nutrition and Activity 3	DEGREE: BACHELOR OF SCIENCE MAJOR: HEALTH BEHAVIOR MANAGEMENT
ELECTIVES After required courses are completed, sufficient elective credits must be taken to neet the minimum credits required for the degree	CONCENTRATION: SPORT MANAGEMENT CURRICULUM CREDITS
CREDITS TO TOTAL A MINIMUM OF 120	UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing (minimum grade C-)
DEGREE: BACHELOR OF SCIENCE MAJOR: HEALTH BEHAVIOR MANAGEMENT CONCENTRATION: RECREATION AND PARK ADMINISTRATION	Multicultural course: Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content. 3 BREADTH REQUIREMENTS
CURRICULUM CREDITS	Humanities and Communication Skills 12 Note: Must include courses from at least two departments
JNIVERSITY REQUIREMENTS NGL 110 Critical Reading and Writing (minimum grade C-)	Social Sciences Psychology 3 Sociology 3 Natural and Biological Sciences and Mathematics 10
Aulticultural course: hree credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content 3	including:
BREADTH REQUIREMENTS If the state of the st	MAIH STAT 200 (3) Additional Breadth Requirements 9 Chosen from any of the areas above
Social Sciences sychology 3 ociology 3 Natural and Biological Sciences and Mathematics 10 ncluding: MATH TAT 200 (3)	MAJOR REQUIREMENTS (minimum grade C- in each) ACCT 200 Survey of Accounting. 4 BUAD 100 Introduction to Business 3 HESC 155 Personal Health Management: An Approach for a Lifetime 3 HESC 200 Issues in Health Behavior Management 3 HESC 210 Safety, First Aid and Emergency Care 3 HESC 332 Health Behavior Theory and Assessment 3
Additional Breadth Requirements 9 Chosen from any of the areas above MAJOR REQUIREMENTS (minimum grade C- in each) REC 201 Records and Accounts 3	HESC 335 Health and Aging 3 HESC 342 Survey in Adaptive Physical Education 3 HESC 354 Seminar in Fitness Management 1 HESC 400 Research Methods 3 HESC 422 Organization and Administration of Leisure Services 3 HESC 464 Internship 9
REC 201 Records and Accounts or CCT 200 Survey of Accounting UAD 100 Introduction to Business IESC 155 Personal Health Management: An Approach for a Lifetime 3 IESC 200 Issues in Health Behavior Management 3 IESC 210 Safety, First Aid and Emergency Care 3 IESC 312 Health Behavior Theory and Assessment 3 IESC 335 Health and Aging 3 IESC 342 Survey in Adaptive Physical Education 3 IESC 354 Seminar in Fitness Management 1 IESC 400 Research Methods 3 IESC 422 Organization and Administration of Leisure Services 3 IESC 464 Internship 9	CONCENTRATION REQUIREMENTS (minimum grade C- in each) ECON 100
CONCENTRATION REQUIREMENTS (minimum grade C- in each)	ELECTIVES After required courses are completed, sufficient elective credits must be taken to meet the minimum credits required for the degree CREDITS TO TOTAL A MINIMUM OF
lus, 18 credits reflecting a sub-discipline in recreation/leisure chosen under the irection of the faculty advisor and submitted for approval no later than the eginning of the second semester of the junior year	DEGREE: BACHELOR OF SCIENCE MAJOR: APPLIED NUTRITION
LECTIVES	CURRICULUM CREDITS
fter required courses are completed, sufficient elective credits must be taken to leet the minimum credits required for the degree	UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing (minimum grade C-) 3
REDITS TO TOTAL A MINIMUM OF 120	Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p 60-63)
	MAJOR REQUIREMENTS Humanities electives 6 CHEM 101/102 General Chemistry
	or CHEM 103/104 General Chemistry 8

CHEM 213 Elementary Organic Chemistry	Statistics course selected from: STAT 200, PSYC 209, FREC 408 3 MATH 114 Elementary Mathematics and Statistics 3 or
or BISC 207/208 Introductory Biology I and II 4-8	Successful performance on the Proficiency Test in Mathematics administered by Department of Mathematical Sciences
BISC 106 Elementary Human Physiology 3	A minimum grade of C- must be achieved for credits to count toward the fulfillment
BISC 276 Human Physiology 4 Students desiring to fulfill a Biology minor should take BISC 207, 208 and 276 ECON 100 Economic Issues and Policies or	of 44 credits in NTDT; a minimum grade of C- in 200-level courses must be achieved to proceed to upper-level courses; only 300-level courses and a maximum of four credits of Special Problems/Independent Study (NTDT x66) may count toward the fulfillment of this requirement
ECON 151 Introduction to Microeconomics: Prices and Markets 3 PSYC 100 General Psychology 3 Sociology course 3 BUAD 309 Management and Organizational Behavior 3 FOSC 305 Food Science (minimum grade of C-) 3 MATH 114 Elementary Mathematics and Statistics 3	NTDT 103 Introduction to Nutrition Professions 1 NTDT 200 Nutrition Concepts 3 NTDT 20.1 Food Concepts 3 NTDT 321 Quantity Food Production and Service 3 NTDT 322 Management of Food and Nutrition Services 3
or Successful performance on the Proficiency Test in Mathematics administered by Department of Mathematical Sciences A minimum grade of C- must be achieved for credits to count toward the fulfillment	NTDT 326 Onsite Food Products 3 NTDT 330 Nutritional Counseling 3 NTDT 400 Macronutrients 3
of 28 credits in NTDT; a minimum grade of C- in 200-level courses must be achieved to proceed to upper-level courses; only 300-level courses and a maximum of four credits of Special Problems/Independent Study (NTDT x66) may count toward the fulfillment of this requirement.	NTDT 401 Micronutrients 3 NTDT 403 Dietetics Seminar 1 NTDT 421 Nutrition Assessment Methods 3 NTDT 445 Teaching Methods: Nutrition and Foods 3 NTDT 450 Medical Nutrition Therapy I 3 NTDT 451 Medical Nutrition Therapy II 3
NTDT 103 Introduction to Nutrition Professions 1 NTDT 200 Nutrition Concepts 3 NTDT 201 Food Concepts 3 NTDT 400 Macronutrients 3	NTDT 451 Medical Nutrition Therapy II
NTDT 401 Micronutrients 3 NTDT 445 Teaching Methods: Nutrition and Food 3 NTDT courses (300-level or higher) 9 NTDT Restricted Elective (minimum grade of C- must be achieved) 3	NTDT 305 Nutrition in the LifeSpan NTDT 350 Nutrition and Older Adults NTDT 420 Maternal and Infant Nutrition
One of the following: 3 NTDT 305 Nutrition in the LifeSpan 3 NTDT 350 Nutrition and Older Adults 3 NTDT 420 Maternal and Infant Nutrition 3	After required courses are completed, sufficient elective credits must be taken to meet the minimum credits required for the degree. May include Military Science, Music, or HESC 120 lifetime activity courses. (Only
ELECTIVES	two credits of HESC 120, four credits of Music , and four credits of 100 and 200-level courses in Military Science/Air Force may be counted toward the degree.)
After required courses are completed, sufficient elective credits must be taken to meet the minimum credits required for the degree	CREDITS TO TOTAL A MINIMUM OF 120
	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES
meet the minimum credits required for the degree May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-	DEGREE: BACHELOR OF SCIENCE
meet the minimum credits required for the degree May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.)	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CHERICULLIAN CREDITS
meet the minimum credits required for the degree May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.) CREDITS TO TOTAL A MINIMUM OF	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CURRICULUM CREDITS UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing (minimum grade C-) 3 Three credits in an approved course or courses stressing multi-cultural, ethnic,
meet the minimum credits required for the degree May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.) CREDITS TO TOTAL A MINIMUM OF	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CURRICULUM CREDITS UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing [minimum grade C-] 3 Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63) 3 MAJOR REQUIREMENTS Humanities electives 6
meet the minimum credits required for the degree. May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.) CREDITS TO TOTAL A MINIMUM OF	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CURRICULUM CREDITS UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing (minimum grade C-) 3 Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63) 3 MAJOR REQUIREMENTS Humanities electives 6 CHEM 103/104 General Chemistry 6 CHEM 214/216 Elementary Biochemistry with Lab 4 CHEM 220/221 Quantitative Analysis I with Lab 4
meet the minimum credits required for the degree. May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.) CREDITS TO TOTAL A MINIMUM OF	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CURRICULUM CREDITS UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing (minimum grade C-) 3 Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63) 3 MAJOR REQUIREMENTS Humanities electives 6 CHEM 103/104 General Chemistry 8 CHEM 214/216 Elementary Biochemistry with Lab 4 CHEM 220/221 Quantitative Analysis I with Lab 4 CHEM 321/322 Organic Chemistry 8 BISC 207/208 Introductory Biology I and II 8 BISC 276 Human Physiology 4 BISC 300 Introduction to Microbiology 4
meet the minimum credits required for the degree. May include Military Science, Music, or HESC 120 lifetime activity courses (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.) CREDITS TO TOTAL A MINIMUM OF	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CURRICULUM CREDITS UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing (minimum grade C-) 3 Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63) 3 MAJOR REQUIREMENTS Humanities electives 6 CHEM 103/104 General Chemistry 8 CHEM 214/216 Elementary Biochemistry with Lab 4 CHEM 220/221 Quantitative Analysis I with Lab 4 CHEM 321/322 Organic Chemistry 8 BISC 207/208 Introductory Biology I and II 8 BISC 207 Human Physiology 4 PHYS 201 Introduction to Microbiology 4 PHYS 201 Introduction to Microbiology 4 ECON 100 Economic Issues and Policies or ECON 151 Introduction to Microeconomics: Prices and Markets 3 Social Science electives 9
meet the minimum credits required for the degree May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.) CREDITS TO TOTAL A MINIMUM OF	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CURRICULUM CREDITS UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing [minimum grade C-] 3 Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63) 3 MAJOR REQUIREMENTS Humanities electives 6 CHEM 103/104 General Chemistry 8 CHEM 214/216 Elementary Biochemistry with Lab 4 CHEM 220/221 Quantitative Analysis I with Lab 4 CHEM 321/322 Organic Chemistry 8 BISC 207/208 Introductory Biology I and II 8 BISC 276 Human Physiology 4 BISC 300 Introduction to Microbiology 4 PHYS 201 Introductory Physics I 8 ECON 100 Economic Issues and Policies or ECON 151 Introduction to Microeconomics: Prices and Markets 3 Social Science electives 9 FOSC 305 Food Science (minimum grade C-) 3 FREC 408 Research Methods 3 MATH 221/222 Calculus I and II
meet the minimum credits required for the degree May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.) CREDITS TO TOTAL A MINIMUM OF	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CURRICULUM CREDITS UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing [minimum grade C-] 3 Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63) 3 MAJOR REQUIREMENTS Humanities electives 6 CHEM 103/104 General Chemistry 8 CHEM 214/216 Elementary Biochemistry with Lab 4 CHEM 220/221 Quantitative Analysis I with Lab 4 CHEM 321/322 Organic Chemistry 8 BISC 207/208 Introductory Biology I and II 8 BISC 207/208 Introductory Biology I and II 8 BISC 276 Human Physiology 4 BISC 300 Introduction to Microbiology 4 PHYS 201 Introductory Physics I 5 ECON 100 Economic Issues and Policies or ECON 151 Introduction to Microeconomics: Prices and Markets 3 Social Science electives 9 FOSC 305 Food Science (minimum grade C-) 3 FREC 408 Research Methods 3 MATH 221/222 Calculus I and II or MATH 241/242 Analytic Geometry and Calculus A and B 6-8
meet the minimum credits required for the degree. May include Military Science, Music, or HESC 120 lifetime activity courses (Only two credits of HESC 120, four credits of Music , and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.) CREDITS TO TOTAL A MINIMUM OF	DEGREE: BACHELOR OF SCIENCE MAJOR: NUTRITIONAL SCIENCES CURRICULUM CREDITS UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing [minimum grade C-] 3 Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63) 3 MAJOR REQUIREMENTS Humanities electives 6 CHEM 103/104 General Chemistry 8 CHEM 214/216 Elementary Biochemistry with Lab 4 CHEM 220/221 Quantitative Analysis I with Lab 4 CHEM 321/322 Organic Chemistry 8 BISC 207/208 Introductory Biology I and II 8 BISC 276 Human Physiology 4 BISC 300 Introduction to Microbiology 4 PHYS 201 Introductory Physics I 8 ECON 100 Economic Issues and Policies or ECON 151 Introduction to Microeconomics: Prices and Markets 3 Social Science electives 9 FOSC 305 Food Science (minimum grade C-) 3 FREC 408 Research Methods 3 MATH 221/222 Calculus I and II

NTDT	200	Nutrition Concepts 3
NTDT	201	Food Concepts and a substantial and a substantia
NTDT	400	Macronutrients
NTDT	401	Micronutrients
NTDT		Nutrition Assessment Methods 3
NTDT	450	Medical Nutrition Therapy I
NTDT	451	Medical Nutrition Therapy II
NTDT	courses	(300-level or higher)
NTDT	course	
		and was the contract of the co

FLECTIVES

After required courses are completed, sufficient elective credits must be taken to meet the minimum credits required for the degree

May include Military Science, Music, or HESC 120 lifetime activity courses. (Only two credits of HESC 120, four credits of Music, and four credits of 100- and 200level courses in Military Science/Air Force may be counted toward the degree.)

CREDITS TO TOTAL A MINIMUM OF...... 120

REQUIREMENTS FOR A MINOR IN COACHING SCIENCE

This minor is designed to help students develop an understanding of the instructional, psychological, and management aspects of coaching, as well as a personal philosophy of coaching. Successful completion of the minor prepares students to take the American Sport Education Program (ASEP) Coaching Certification examination.

Students applying for the minor are expected to have had previous athletic experience and must have completed at least one semester of full time study with a minimum GPA of 2 25 The application process involves an interview with the faculty director of the minor A grade of C- or better in required courses is needed for successful completion of the minor.

CURRICULUM		CREDITS
HESC 210	Safety, First Aid, and Emergency Care	3
HESC 220	Anatomy and Physiology	3
HESC 320	Principles of Strength and Conditioning	3
HESC 390	Principles of Coaching	3
HESC 440	Strategies for Athletic Peak Performance	3
	Coaching/Performance Practicum	
HESC 460	Coaching/Performance Practicum	3

DEGREE REQUIREMENTS FOR A MINOR IN NUTRITION

A minor in nutrition requires NTDT 200, NTDT 400, NTDT 401 plus 6 credits in Nutrition and Dietetics at the 300-level or higher. A 2.0 GPA is required for admission; a minimum grade of C- is required in all courses in the minor. Note that CHEM 214 and CHEM 216 are necessary prerequisites for NTDT 400 and NTDT 401

REQUIREMENTS FOR A MINOR IN STRENGTH AND CONDITIONING

This minor is designed to provide students with in depth understanding of the theory and practical considerations associated with physical training to enhance strength and conditioning. Students successfully completing the minor will be prepared to take the Strength and Conditioning Specialist Certification examination offered by the National Strength and Conditioning Association

Students applying for the minor must have completed at least one semester of full time study with a minimum GPA of 2.25. Enrollment in the minor for at least four semesters is necessary due to sequencing of courses. A grade of C- or better in required courses is needed for successful completion of the minor

CURRICULUM CREDITS

Prerequisite Courses:

The following courses are identified as prerequisites for selected courses in the minor. It is not necessary to take all of the prerequisite courses prior to enrolling in the first course in the minor. See course descriptions for the required courses to

identity individual	dual course prerequisites.
HESC 220	Anatomy and Physiology
HESC 350	Basic Concepts in Kinesiology 3
HESC 425	Biomechanics of Human Movement 4
or	
HESC 426	Biomechanics I
HESC 430	Physiology of Activity 3
HESC 431	Physiology of Activity Laboratory
NTDT 200	Nutrition Concepts 3

Required C	ourses:
HESC 320	Principles of Strength/Conditioning
HESC 432	Basic Exercise Prescription
HESC 440	Strategies for Athletic Peak Performance
HESC 447	Advanced Topics in Strength and Conditioning
HESC 462	Practicum in Strength and Conditioning
NTDT 310	Nutrition and Activity
	· ·

HEALTH STUDIES

This major provides a broad-based degree for students interested in a health-related career in any number of settings within the health services arena. Foundation courses from the sciences, humanities, and social sciences are combined with courses from departments in the College of Health and Nursing Sciences Students in the Health Studies major can select a concentration area or an existing University minor outside the college in order to meet individual personal and career objectives and interests.

Telephone: (302) 831-8371

DEGREE: BACHELOR OF SCIENCE MAJOR: HEALTH STUDIES
CURRICULUM CREDITS
UNIVERSITY REQUIREMENTS ENGL 110 Critical Reading and Writing (minimum grade C-) 3
Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63)
BREADTH REQUIREMENTS Creative Arts and Humanities. 6 Includes all Arts and Sciences Group A courses as well as art courses and foreign language courses not used in the Communication/Foreign Language requirement
Social Sciences (4 of the following 6 choices) 12 PSYC100, ECON100 or ECON151, SOCI201, IFST201, BUAD309, Social Science/History Elective (as listed for Arts & Sciences Group B or C
Sciences (3 of the following 4 choices; must include a biology course with lab)
MAJOR REQUIREMENTS (minimum grade C- in each) Second Writing Course An approved course taken after completion of 45 credit hours (listed as "Section satisfies A&S writing requirement" in the registration booklet). Communication or Foreign Language Course Statistics Course at the 200 level or above 3 CSCC/PHIL241 Ethical Issues in Healthcare 3 BISC276 Human Physiology. 4 CNST404 (prerequisite required CNST100) or HESC422 3 MEDT100 or
NURS100 Introductory Course and a survival and a su

Introductory Course NURS101 HESC220 Anatomy and Physiology HESC155 Personal Health Management HESC 214 Wellness: A Way of Life **NTDT 200** Nutrition Concepts Safety, First Aid and Emergency Care HESC 210 **MEDT 210** Information Technologies and Communication Skills **HESC 276** Personal Computers in Health, Physical Education and Recreation Nutrition in the Lifespan NTDT305 HESC 400 Research Methods Clinical Laboratory Principles and Statistics MEDT375

NURS411

Topics

And, one course from each group: HESC200 Issues in Health Behavior Management 3 HESC300 Issues in Physical Activity Studies 3 HESC329 Dynamics of Team Problem Solving 3
NTDT255 Multicultural Food Habits 3 NTDT310 Nutrition and Activity 3 NTDT350 Nutrition and Older Adults 3
Additional HESC, MEDT, NTDT, or NURS (3 credits must be at the 400 level)
HLTH 495 Health Studies Practicum: Capstone Course: Student will be required to complete a Service Learning Experience 6 CONCENTRATION AREA (minimum grade C- in each course Courses cannot be used as part of the major or breadth requirements)
Minor outside College of Health and Nursing Sciences MINIMUM 15
or Concentration

Family and Personal Health: (COMM200, FOSC102, HESC335, IFST329, IFST339, IFST401, IFST410, NTDT310, NTDT350, NTDT452, PSYC325, PSYC334, SOCI418)

Health Ethics and Decision-Making: (CNST332, CSCC/HIST382, ECON390, HESC200 or HESC300 (only one can satisfy requirements), HESC329, NTDT255, NTDT452, PHIL/BAMS/WOMS327, PHIL/CSCC444, POSC/SOCI/CSCC343, SOCI/CSCC311, WOMS/CSCC389, IFST405)

Science-Based Health Information: (BISC105, BISC110, BISC152, BISC171/300, CHEM102 or CHEM104 or CHEM106, CHEM213, CHEM214 & 216, HESC220, HESC350, HESC425 or HESC426, HESC430 & HESC431, NTDT201, PHYS201, PHYS202, PSYC314)

ELECTIVES

After required courses are completed, sufficient elective credit must be taken to meet the minimum credits required for the degree

CREDITS TO TOTAL A MINIMUM OF................................ 120

MEDICAL TECHNOLOGY

The Department of Medical Technology offers a major in Medical Technology, as well as an Honors Degree and Honors courses. Medical Technology (Biomedical Sciences) is clinical laboratory science related to the prevention, diagnosis and therapy of disease. The Medical Technology major is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (8410 West Bryn Mawr Ave., Suite 670, Chicago, IL 60631-3415; telephone 773-714-8880). The four-year B.S. degree curriculum offers an undergraduate professional education designed to prepare students for career entry positions in hospital clinical laboratories and industry as well as graduate study in medical technology and related areas.

During the first two years at the University, students interested in medical technology should take courses in the basic sciences and liberal arts, including prerequisite courses in biology and chemistry. The professional and clinical courses in the third and fourth years include a final period of supervised clinical education in the Christiana Care Health Services and other affiliated institutions. One required Winter Session is included in the B.S. curriculum.

During the clinical rotation period (fall of junior year and winter and spring terms of the senior year), students should plan for the possibility of 1) added expense for transportation and uniforms and 2) added expense for living off-campus at the clinical site for at least a five-week rotation during the senior year when the commuting distance is excessive

For exceptionally talented and highly motivated students, several special academic opportunities are available. Students may pursue the Honors Degree with Distinction, the Honors Degree, the Degree with Distinction, or undergraduate research through independent study.

Freshmen or transfer students may be admitted to the University with a declared interest in medical technology. Students will be evaluated for admission to the Medical Technology major after completion of the prerequisite courses. Priority will be given to full-time University sophomores.

Class size is limited to 26 medical technology majors, and any interested student should talk with the Department Chair as early as possible.

Eligibility for admission to the junior year of the Medical Technology major will be based on the following criteria:

- 1. Minimal GPA of 2.0 in first four semesters of coursework.
- Minimal gradepoint index of 2.0 computed from specified courses in biological sciences and chemistry, including laboratories: BISC 207, 208, 276, 300, and CHEM 103, 104, 213, and 214-216.
- 3. Completion of at least 60 credits, including the courses listed above.
- 4 Within the pool of eligible students, admission to the major courses will be determined by academic achievement. All applicants will be evaluated by the Medical Technology Undergraduate Program Committee.

The following course sequence is recommended. These courses may be subject to change, so it is essential that students meet regularly with their faculty advisors. Courses taken pass/fail cannot be used to complete major requirements. Pass/fail courses are for free electives only. A minimal grade of C- is required in each MEDT course in the Medical Technology major. In order to meet degree requirements, medical technology majors must have a minimum cumulative GPA of 2.0 to progress in the medical technology sequence. A student who earns a grade lower than C- in a medical technology course must repeat the course and achieve a grade of at least C- before enrolling in any medical technology course which has the prior course as a prerequisite. Students are not permitted to repeat any medical technology course more than once. Further, students who earn a grade lower than C- in more than one medical technology course will not be permitted to continue in the major.

Telephone: (302) 831-2849 www.udel.edu/medtech

DEGREE: BACHELOR OF SCIENCE MAJOR: MEDICAL TECHNOLOGY

CURRICULUM CREDITS

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-) 3

Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63)

MAJOR REQUIREMENTS

Writing: (minimum grade C-)

A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 45 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet (See list of courses approved for second writing requirement, page 87-89.)

One of the following

3-4

MATH 114 College Mathematics and Statistics (for students who do not intend to continue the study of mathematics)

MATH 115
Pre-Calculus
Pre-Calculus for Scientists and Engineers
(for students who intend to continue
the study of mathematics)

MATH 221 Calculus I

195

MATH 241 Analytic Geometry and Calculus A Successful performance on the college proficiency exam(0 credits awarded)

BREADTH REQUIREMENTS

(follow College of Arts and Sciences standards, See page 89-94)

Commence of the commence of th

Group A: Understanding and appreciation of the creditive art	S	- 9		
and humanities	100		4 4 9	. 6
and humanities Group B: The study of culture and institutions over time	27	A		. 6
•			.7	

Group C: Empirically based study of human beings and their environment Three credit Pathways Course may be substituted for one Breadth Requirement.

(minimum grade of C-required in all MEDT courses) MEDT 100 Introduction to Medical Technology 1 MEDT 210 Information Technologies and Communication Skills 2 MEDT 370 Phlebotomy Practicum 1 MEDT 375 Clinical Laboratory Principles and Statistics 2 MEDT 380 Clinical Immunology and Medical Virology 4 MEDT 390 Introduction to Molecular Diagnostics 2 MEDT 391 Introduction to Molecular Diagnostics 2 MEDT 401 Urinalysis and Body Fluids 2 MEDT 401 Clinical Physiological Chemistry I 3 MEDT 401 Clinical Physiological Chemistry I Laboratory 2 MEDT 404 Hematology I 2 MEDT 404 Hematology I Laboratory 1 MEDT 405 Medical Microbiology Laboratory 2 MEDT 406 Medical Microbiology Laboratory 2 MEDT 407 Medical Physiological Chemistry II Laboratory 3 MEDT 418 Medical Microbiology Laboratory 4 MEDT 419 Clinical Physiological Chemistry II Laboratory 4 MEDT 410 Hematology II Laboratory 5 MEDT 401 Hematology II Laboratory 6 MEDT 402 Hematology II Laboratory 7 MEDT 403 Clinical Physiological Chemistry II Laboratory 8 MEDT 404 Hematology II Laboratory 9 MEDT 405 Hematology II Laboratory 9 MEDT 406 Hematology II Laboratory 9 MEDT 407 Immunohematology Laboratory 1 MEDT 408 Immunohematology II Laboratory 1 MEDT 420 Immunohematology II Laboratory 1 MEDT 421 Immunohematology II Laboratory 1 MEDT 420 Immunohematology II Laboratory 1 MEDT 431 Diagnostic Bacteriology and Medical Mycology 2 MEDT 431 Diagnostic Bacteriology and Medical Mycology 2 MEDT 431 Diagnostic Bacteriology and Medical Mycology 1 MEDT 471 Laboratory Practice and Leadership I 1 MEDT 472 Clinical Urinalysis and Serology Practicum 1 MEDT 473 Clinical Hematology Practicum 3 MEDT 475 Clinical Hematology Practicum 3 MEDT 477 Clinical Microbiology Practicum 3 MEDT 479 Clinical Immunohematology Practicum 3
BISC 207/208 Introductory Biology and II 8 BISC 276 Human Physiology 4 BISC 300 Introduction to Microbiology 4
CHEM 103/104 General Chemistry 8 CHEM 213 Elementary Organic Chemistry and CHEM 214/216 Elementary Biochemistry with Lab or CHEM 321/322 Organic Chemistry 8
CREDITS TO TOTAL A MINIMUM OF 123

HONORS BACHELOR OF SCIENCE: MEDICAL TECHNOLOGY

The recipient must complete:

1. All requirements for the Bachelor of Science degree in Medical Technology

 All the University's generic requirements for the Honors Baccalaureate degree (see page 45).

Nursing

The Department of Nursing offers a traditional baccalaureate degree program in nursing and an accelerated nursing degree program for those who already hold a baccalaureate degree in another field. There is also a baccalaureate degree program (BRN) for registered nurses with associate degrees or diplomas. Returning nurses may complete some course work at home or in the worksite in a distance-learning format.

In addition, the Department offers a master's program in nursing, with concentrations in Family Nurse Practitioner, Adult Nurse Practitioner, Health Services Administration, and Clinical Nurse Specialist.

TRADITIONAL BACHELOR OF SCIENCE IN NURSING PROGRAM

The traditional Bachelor of Science in Nursing program is designed to develop the knowledge, understanding and skills essential for the practice of professional nursing and to provide the basis for graduate education. The program is fully accredited by the National League for Nursing Accrediting Commission and has preliminary accreditation from the Commission for Collegiate Nursing Education. Information on program requirements is available from the League at 350 Hudson St., New York, NY 10014, telephone 1-800-669-1656. The first year of the program includes foundation courses in the natural, social, and behavioral sciences, and liberal arts. Each subsequent year increases the nursing content and coursework and culminates in a senior year of clinical residency in direct care clinical agencies. Clinical resources of the Department include healthcare agencies in Delaware, Maryland, Pennsylvania, and New Jersey.

During clinical rotations, students are exposed to many different experiences in a variety of healthcare settings. These include the major hospitals in New Castle County as well as regional communit hospitals, a variety of extended care facilities, independent living facilities, and various community-based providers who offer a range of services across the life span. Students graduate as nurse generalists with experiences in pediatric, maternity, psychiatric, medical-surgical, and community health nursing.

Nursing students are encouraged to participate in the university chapter of the National Student Nurses' Association and the Black Student Nurses' Organization. Students who have earned recognition for superior academic achievement may be invited for membership in Beta Xi Chapter of Sigma Theta Tau, the International Honor Society of Nursing. Qualified students may participate in the University's Honors Program, undergraduate research, and the Degree with Distinction program. Research opportunities are available to all undergraduates.

Telephone: (302) 831-2193 www.udel.edu/nursing e-mail: ud-nursing@udel.edu

ACCELERATED NURSING DEGREE PROGRAM

The Accelerated Degree Program is a course of study leading to a Bachelor of Science in Nursing and is designed for individuals who have a previously earned degree in another field and would like to pursue a career in nursing. Students in this program must complete all of the non-nursing requirements by transfer credit from their first degree, completion of coursework at the University of Delaware or by transfer of pre-approved equivalent courses from other accredited institutions. The program begins in the fall with one course which is offered in a distance learning format. Students will be required to come to campus for course examinations. If a student is unable to relocate until beginning full time study in January, special testing arrangements may be made on an individual basis. In January, students begin their full time studies with a five week winter session. Coursework continues in the spring semester, followed by a ten week summer session, the fall semester, and concludes with the following January winter session. All pre-requisite science courses must be completed successfully prior to the first fall nursing course. Students are required to meet all immunization, safety and CPR requirements prior to clinical coursework and direct patient care. Additional requirements for clinical education may be required by the healthcare

agency to which a student is assigned. Students are expected to provide their own transportation to all required clinical experiences.

Students taking courses in an accelerated mode are sometimes out of sequence with on-campus course offerings. In these instances, lecture will be provided via videotape or web, and augmented by group discussion sessions.

Eligibility for this course of study includes the following:

- 1. An earned baccalaureate degree.
- 2. GPA of 3.0 or greater
- Completion of all non-nursing courses prior to first winter session.

For more information or to make an appointment to discuss the accelerated program, please contact the Department at 302-831-1253. A sample curriculum plan may be viewed at the Accelerated Degree Program website (www.udel.edu/nursing/accelerated.html) Students who may need financial assistance in pursuing a second degree should contact the Financial Aid Office at 302-831-1534. Reference books on private financial aid sources are available in libraries or local academic institutions in your community.

POLICIES

In order to meet degree requirements, nursing majors must have a minimum cumulative GPA of 2.0 to progress in the nursing sequence. A student who earns a grade lower than C- in a nursing course must repeat the course and achieve a grade of at least C-before enrolling in a more advanced nursing course.

Students are not permitted to repeat any nursing course more than once. Students who earn a grade lower than C- in more than one nursing course will not be permitted to continue in the program. Students should meet regularly with their advisor to ensure that all requirements are being met.

Students are required to meet all immunization, safety and CPR requirements prior to clinical coursework and direct patient care. Students are expected to provide their own transportation to all required clinical experiences.

LICENSURE

Graduates are eligible for registered nurse licensure in any state upon satisfactory completion of the National Council Licensure Examination for Registered Nurses (N-CLEX-RN) If the examination is passed and licensure granted in one state, application may be made to other states for licensure by endorsement.

HONORS DEGREE IN THE DEPARTMENT OF NURSING

Students can earn an Honors Bachelor of Science Degree in Nursing by completing the following requirements:

- 1 All requirements for the Bachelor of Science in Nursing Degree
- All the University's generic requirements for the Honors Baccalaureate Degree (see page 45)
- 3 Courses at the 600 level or higher may be taken for honors credits (with permission from the course instructor and academic advisor)

DEGREE:	BACHELOR OF SCIENCE IN NURSING
1.74	(Traditional Program)

MAJOR: NURSING

CURRICULUM CREDITS

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing

(minimum grade C-) 3

Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63) 3

BREADTH REQUIREMENTS

(see College of Arts and Sciences standards, p. 89-94)

This course also can be used in the breadth requirements

Group A: Und	derstanding and appreciation of the creative arts
(Foreign lang	and humanities
Group B: The	study of culture and institutions over time 3
Group C: Em	pirically based study of human beings and their environment 3
MAJOR RI BISC 207	EQUIREMENTS Introductory Biology
BISC 276 BISC 300	Human Physiology (minimum grade C-) 4 Introduction to Microbiology 4
CHEM 105 CHEM 106 NTDT 200	General Chemistry 4 Elementary Bioorganic Chemistry 5 Nutrition Concepts 3
STAT 200 PSYC 100	Basic Statistical Practice 3 General Psychology 3
IFST 201 NURS 100	Life Span Development 3 New Student Connections 1
NURS 101 NURS 110 NURS 200	Basic Human Anatomy 2 Nursing Connections 1 Clinical Decision Making 2
NURS 222 NURS 231	Clinical Decision Making 2 Pharmacology 3 Health Promotion Across the Lifespan 2
NURS 232 NURS 241	Care of Vulnerable Populations 2 Scientific Basis of Nursing 3
NURS 242 NURS 250 NURS 352	Scientific Basis of Nursing
NURS 354 NURS 356	Psychosocial Nursing 3 Care of Children and Families 3 Women's Health Nursing 3
NURS 358 NURS 362 NURS 372	Research Concepts in Health Care
NURS 382 NURS 390	Adult Health Nursing 3 Communities and Health Policy 2 Clinical Work Experiences 1-2
NURS 411 NURS 411	Topics in Health Care Delivery 3 Topics in Health Care Delivery* 3 Clinical Applications: Adult Health Nursing I 3
NURS 453 NURS 457 NURS 459	Clinical Applications: Maternal Child Nursing 3 Clinical Application: Psychosocial Nursing 3
NURS 460 NURS 473	Clinical Integration Seminar I Clinical Applications: Adult Health Nursina II
NURS 477 NURS 479 NURS 480	Clinical Applications: Care of Populations 3 Clinical Preceptorship 3 Clinical Integration Seminar II 2
	t is required to take 6 credits of NURS 411
After required meet the mining	courses are completed, sufficient elective credits must be taken to mum credits required for the degree
4,14,5	O TOTAL A MINIMUM OF
complete sele	courses are offered once each academic year. Students must cted required lower division courses before enrolling in upper ng courses. Nursing courses must be taken in sequence unless cified.
DEGREE:	
MAJOR:	(Accelerated Degree Program) NURSING
CURRICULUM	CREDIT

CORRICULOM

UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing

(minimum grade C-)

Three credits in an approved course or courses stressing multi-cultural, ethnic,

and/or gender-related course content (see p. 60-63)
This course also can be used in the breadth requirements

BREADTH REQUIREMENTS

(see College of Arts and Sciences standards, p. 89-94)

Group A: Understanding and appreciation of the creative arts
and humanities 3

(Foreign language requirement may be substituted for a Group A requirement)

Group B: The study of culture and institutions over time 3

Group C: Empirically based study of human beings and their environment _____3

SUPPORT COURSES

(To be completed through course work or transfer of credit before beginning the first Winter Session) **BISC 207** Introductory Biology I. **NURS 101** Basic Human Anatomy Human Physiology (minimum grade C-) Introduction to Microbiology
General Chemistry BISC 276 **BISC 300 CHEM 105 CHEM 106** Elementary Bioorganic Chemistry Life Span Development
Nutrition Concepts
General Psychology
Basic Statistical Practice **IFST 201 NTDT 200** PSYC 100 STAT 200 NURSING COURSES (66 credits) COURSES (00 credits)
Concepts of Nursing Practice
Pharmacology
Health Promotion Across the Lifespan
Care of Vulnerable Populations
Scientific Basis of Nursing
Scientific Basis of Nursing
Health Assessment Across the Lifespan
Adult Health Nursina NURS 220 NURS 222 **NURS 231** NURS 232 NURS 241 **NURS 242** NURS 250

Adult Health Nursing
Psychosocial Nursing
Care of Children and Families

Women's Health Nursing
Research Concepts in Health Care

Adult Health Nursing
Communities and Health Policy

Topics in Health Care Delivery Topics in Health Care Delivery* NURS 411 Clinical Applications: Adult Health Nursing I Clinical Applications: Maternal Child Nursing NURS 411 NURS 453 NURS 457 **NURS 459** Clinical Application: Psychosocial Nursing Clinical Integration Seminar I Clinical Applications: Adult Health Nursing II NURS 460 NURS 473 NURS 477 Clinical Applications: Care of Populations

Clinical Integration Seminar II NURS 480 *Each student is required to take 6 credits of NURS 411

ELECTIVES

NURS 479

NURS 352

NURS 354 NURS 356 NURS 358

NURS 362 NURS 372

NURS 382

After required courses are completed, sufficient elective credits must be taken to meet the minimum credits required for the degree.

Many nursing courses are offered once each academic year. Students must complete selected required lower division courses before enrolling in upper division nursing courses. Nursing courses must be taken in sequence unless otherwise specified

BACCALAUREATE PROGRAM FOR THE REGISTERED NURSE (BRN)

The Department of Nursing offers a separate program to allow registered nurses to earn a Bachelor of Science in Nursing. The Baccalaureate for the Registered Nurse (BRN) major is an innovative program designed to build on basic nursing knowledge, enhancing nursing practice in an increasingly complex society. The BRN major is offered in a distance learning format to maximize educational opportunities for registered nurses. Licensed registered nurses who are graduates of associate degree or diploma programs may apply for admission to this program. For the RN to MSN program, please see graduate nursing programs.

Admission Requirements

A registered nurse who is a graduate of an associate degree or diploma nursing program may apply for admission to the College of Health and Nursing Sciences, Baccalaureate for the Registered Nurse Major The applicant should request a distance learning application access the application online http://www.udel.edu/dsp/BRN and submit the form with fee to the Division of Special Programs.

Materials requested are:

Completed application form with application fee

- Official transcripts verifying college credits previously earned including verification of graduation. A student who is transferring credit from other institutions must have a 2.5 cumulative grade point index (GPI) in all previous college work. The University accepts credits only from those institutions that are fully accredited by the appropriate regional accrediting association. This determination is made only at the time of formal application to the University. You may wish to contact institutions you attended previously to ascertain their status during your period of enrollment.
- Current registered nurse license for those licensed in the United
- Documentation of equivalent to a US RN license for international students plus a minimum score of 600 for the paper test and 250 for the computer based test required for the Test of English as a Foreign Language (TOEFL)

CRITERIA FOR ENROLLMENT IN BACCALAUREATE FOR THE REGISTERED NURSE (BRN) COURSES:

The BRN major is concentrated at the junior and senior levels and requires 120 credits for graduation. Before enrollment in any nursing courses, students must meet the following criteria:

Official admission to the BRN major

Completion of all science credits required for the degree. The remaining non-nursing credits can be taken at any time in the program; however students are strongly encouraged to complete non-nursing requirements prior to enrollment in nursing cours-

Submission and approval of:

- Clinical Competency Validation Form
 - The process must be completed before enrollment in the student's first nursing course.
- Updated immunization record to Student Health and the Division of Special Programs
- Current RN license

ACADEMIC PROGRESSION

The program is designed to facilitate timely progression for nurses who are continuing their education while employed full or part-time. There is no time limit for completion of prerequisite courses; however upon enrollment in the first nursing course, the program must be completed within a five-year period. It is possible to complete the required nursing courses in a 12-month period

DEGREE: BACHELOR OF SCIENCE IN NURSING BACCALAUREATE FOR THE MAJOR: REGISTERED NURSE (BRN)

CURRICULUM **CREDITS UNIVERSITY REQUIREMENTS** Critical Reading and Writing (minimum grade C-) **ENGL 110** Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content (see p. 60-63)

MAJOR REQUIREMENTS

24 credits, to include a minimum of one course in each of the following five (1) biology, (2) microbiology, (3) chemistry, (4) anatomy and physiology, and (5)

STAT 200	Basic Statistical Practice			
English course	e (second English composition course)			
Psychology co	ourse			
Sociology cou	irse			
Lifespan deve	lopment course			
Restricted elec	ctive chosen from the following .			
Art, Art Histor	y, History, Philosophy, Music, Theatre, Comparative Literature, Blac			
American Stu	dies, Economics, Political Science, Women's Studies, Foreign			
	d Literatures, Linguistics, and English			
NURS 312	Pathophysiology			
NURS 335	BRN Orientation			
NURS 345	Conceptual Foundations for Nursing Practice			
NURS 350	Wellness/Health Assessment .			
NURS 362	Research Concepts in Health Care			
NURS 411	Topics in Health Care Delivery			
NURS 435	Leadership & Management in Health Organizations			
NURS 442	Community Health Nursing			
NURS 443	BRN Role Practicum			
NURS 450	BRN Capstone			
	courses are completed, sufficient elective credits must be taken to num credits required for the degree.			
CREDITS TO TOTAL A MINIMUM OF				