# 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 <br> - Medical Technology <br> - 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. Nonmajors 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-)

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

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: BACHELOR OF SCIENCE MAJOR: ATHLETIC TRAINING

## CURRICULUM

## UNIVERSITY REQUIREMENTS

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

Multicultural course:
Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content.

## BREADTH REQUIREMENTS

Humanities and Communication Skills*9

Including: $\operatorname{CSCC} 241$ (3 credits)
*Must include courses from at least two different departments


HESC 405
HESC 407
HESC 409
HESC 420
HESC 425
or
HESC 426
HESC 430
HESC 431
HESC 440
HESC 448
HESC 449
HESC 457
HESC 480
HESC 481

Rehabilitation of Athletic Injuries ................ 3
Prevention/Recognition/Athletic Injuries
Therapeutic Modalities.
Functional Human Anatomy 4
Biomechanics of Human Movement $\quad 4$
Biomechanics 1 .................... 4
Physiology of Activity ........ . . . . . . ... . . . . . : . . . . . . 3
Physiology of Activity Lab
Strategies for Athletic Peak Performance. ................. 3
Organization \& Administration/Athletic Training . 3
Advanced Topics in Sports Medicine .......... ........ 3
Athletic Training Practicum IV
Upper Extremity and Spine Evaluation
Lower Extremity and Spine Evaluation3
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

## 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:
General Studies (CHEM 103)
HESC 214
HESC 220
General Studies (PSYC 100)
General Studies

General Studies (ENGL 110-Spring Only)
General Studies (MATH course)
General Studies (NTDT 200)
HESC 210
HESC 240 (Spring only)
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 the mental capacity to assimilate, analyze, synthesize, integrate concepts 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;
4. the ability to record the physical examination results and a treatment plan clearly and accurately;
5. the capacity to maintain composure and continue to function well during periods of high stress;
6. the perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
7. flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;
8. 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
5. 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 , ( $\times 2=2$ ), 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 athietic 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. $1 \times 2=2.2 \times 2=4$, 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 ("ACl'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
"Skilis/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, $112 \% 147=762 \%$. 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 elinical 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 ( ACl ) 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:

1. Complete at least 200 clinical hours per semester;
2. Maintain a GPA of at least 20 ;
3. Achieve satisfactory clinical education evaluations;

4 Meet the technical standards for admission.
Siudents 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:

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

## Exercise Science: <br> Biomechanics And Exercise Physiology Concentrations

Admission Requirements And Application Proceddure 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:

1. A competitive cumulative GPA. (Students admitted to the major in recent years have had GPAs of at least 30 )
2 Successful completion (minimum grade C-) of the following courses: CHEM 103, CHEM 104, and BISC 207, BISC 208
3 Completion of the appropriate application form for the chosen concentration Applications are accepted at the end of each Fall and Spring semester....
2. Students interested in Biomechanics also must have successfully completed (minimum grade C.) MATH 241

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: EXERCISE SCIENCE CONCENTRATION: BIOMECHANICS

## CURRICULUM

## UNIVERSITY REQUIREMENTS

ENGL $110 \begin{array}{ll}\begin{array}{l}\text { Critical Reading and Writing } \\ \text { (minimum grade C-) }\end{array} & \end{array}$
Multicultural course:
Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content

## BREADTH REQUIREMENTS

Humanities and Communication Skills

## Social Sciences

| PSYC 100 | General Psychology |  |  |
| :--- | :--- | :--- | :--- |
| PSYC 325 | Child Psychology |  |  |
| or |  |  |  |

Natural/Biological Sciences and Mathematics
CHEM 103 General Chemistry
CHEM 104 General Chemistry
MATH 241 Analytic Geometry and Calculus A
NTDT 200 Nutrition Concepts
BISC 207 Introductory Biology I
BISC 208 Introductory Biology II
MAJOR REQUIREMENTS (minimum grade $C$ - in each)
HESC 210 Safery, First Aid, \& Emergency Care
HESC 350 Basic Concepts in Kinesiology
HESC 426 Biomechanics
HESC 430 Physiology of Activity.
HESC 431 Physiology of Activity Lab

CONCENTRATION REQUIREMENTS (minimum grade $C$ - in each)
BISC 276
or
BISC 306
CISC 105 General Physiology .............................................
General Computer Science. . 3
HESC 310 Pre-Clinical Anatomy and Physiology ................ 3
HESC 400 Research Methods
HESC 427 Biomechanics II.
3
AATH 349 Analytic Geomerry and Calculus B
Elementary Linear Algebra ...... ................... 3
MEEG 112 Statics
MEEG 211 Dynamics
PHYS 207. Fundamentals of Physics $\quad 1$
PHYS 208 Fundamentals of Physics II .................. 4
STAT 200 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

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: EXERCISE SCIENCE CONCENTRATION: EXERCISE PHYSIOLOGY

## CURRICULUM

## UNIVERSITY REQUIREMENTS

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

Multicultural course:
Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content

BREADTH REQUIREMENTS
Humanities and Communication Skills... ........ .............. 9
Social Sciences
PSYC $100 \quad$ General Psychology
PSYC $325 \quad$ Child Psychology

PSYC 325 Child Psychology
PSYC 334 Abnormal Psychology ..... 3
Natural/Biological Sciences and Mathematics
CHEM 103 General Chemistry


MATH 221 Calculus I 3
Additional Breadth Requirements 9
9 additional credits can be chosen from any Group(s) above.
MAJOR REQUIREMENTS (minimum grade $C$ - in each)
HESC 210 Safety, First Aid, \& Emergency Care 3
HESC 350 Basic Concepts in Kinesiology ...................
HESC 426 Biomechanics
3
4
HESC 430 Physiology of Activity
HESC 431 Physiology of Activity Lab ".
CONCENTRATION REQUIREMENTS (minimum grade $C$ - in each)
BISC 208 Introductory Biology II ............. 4
BISC 276 Human Physiology
4
4
or
BISC 306
CHEM 104 General Physiology
3

Fundamentals of Athletic Training $\quad 3$
HESC 310 Pre-Clinical Anatomy and Physiology ............... 3
HESC 353 Seminar in Exercise Physiology ............................ 1
HESC 400 Research Methods 3
HESC 432 Basic Exercise Prescription
HESC 434 Exercise Test Technology .............. 3
PHYS 201 Introductory Physics I.
PHYS 202 Introductory Physics II. ". ". . . . . . . . .


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

## DEGREE: BACHELOR OF SCIENCE

MAJOR: EXERCISE SCIENCE
CONCENTRATION: FIGURE SKATING SCIENCE

## CURRICULUM

CREDITS

## UNIVERSITY REQUIREMENTS

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

Múlticultural course:
Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content

## BREADTH REQUIREMENTS

Humanities and Communication Skills 9
Note: Must include courses from at least two departments.
Social Sciences
including: PSYC 100
Note: Must include courses from at least two departments.
Natural/Biological Sciences and Mathematics14

Including:
MATH at the 100 -level or higher
Biology
NTDT 200
Note: Must include two 4 credit sciences
Additional Breadth Requirements
9 additional credits can be chosen from any Group(s) above
MAJOR REQUIREMENTS (minimum grade $C$ - in each)
HESC 210 Safery, First Aid, and Emergency Care ................ 3
HESC 350 Basic Concepts in Kinesiology ..... 3
HESC 425 Biomechanics of Human Movement . . . . . . . . . . 4
HESC 430 Physiology of Activity.... 3
HESC 431 Physiology of Activity Lab .... .. ..... . ... .. 1
CONCENTRATION REQUIREMENTS (minimum grade $C$ - in each)
HESC 220 Anatomy and Physiology 3
HESC 250 Motor Development . 3
HESC 261 Leisure Service Programming ................... 3
HESC 300 Issues in Physical Activity and Sports 3
HESC 305 Fundamentals of Athletic Training ................ 3
HESC 320 Principles of Strength and Conditioning ....................... 3

HESC 347 Legal Aspects of Sport Management
HESC 355 Figure Skating Practicum I
HESC 3.56 Figure Skating Practicum II
HESC 455 Straregies for Aihlenic Peak Performance
Figure Skating Practicum II
Figure Skating Practicum IV
NTDT 310 Nutrition and Activity.

## 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 .

## Health And Physical Education: <br> 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 courses:
PSYC 100
HESC 276
HESC 139
HESC 143
HESC 214
*BISC w/lab
Total Credits
ENGL 110
MATH course
HESC 141
HESC 140
HESC 220
HESC 230
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 25 and major GPA of 2.75
Submission of a satisfactory Introductory Professional Porffolio 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
- 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, $430,431,46.51$
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 275 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 <br> MAJOR: HEALTH AND PHYSICAL EDUCATION

CURRICULUM

## 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

## 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
Additional Breadth Requirements
3 additional credits can be chosen from any area.
MAJOR REQUIREMENTS (minimum grade $C$ - in each)
EDUC 400 Student Teaching
EDUC 413 Educational Psychology Social Aspects $\quad 9$
EDUC 414 Educational Psychology Cognitive Aspects ............. 3
EDUC 419 Diversity in the Classroom (fulfills University multicultural requirement)
EDUC 420 Reading in the Content Area
EDUC. 430 Classroom Management
Students must have a minimum cumulative GPA of 2500 , a.GPA in the major of at. least 2.750 , and must apply to student teach at least one semester in advance

HESC 121 Water Safery Instruction
or

HESC 139 Curriculum in Physical Education. . $\quad 3$
HESC 140 Fundamental Skills Analysis
Adventure Challenge and Outdoor Recreation $\quad$ - 1
HESC 143 Skills, Techniques and Knowledge of Stunts,
Tumbling and Gymnastics.
HESC 210
mergency Care
Wellness: A Way of Life
HESC 230 Group Facilitation Skills in Health and Physical Education
HESC 250 Motor Development
HESC 251 Skills, Techniques and Knowledge of Rhythms and Dance
HESC 252 Lifetime Leisure Activities
HESC 255 Skills, Techniques and Knowledge of Racquet Sports ............ 1
HESC 275 Tactical Approach to Teaching Sports
HESC 276 Personal Computers in Health,
Physical Education and Recreation
In Physical Activity Studies and Sports......... 2
HESC 315 Instructional Strategies for Drug Education
HESC 319 His
HESC 324 Measurement and Evaluation
HESC 325 Instructional Strategies for Human Sexuality
HESC 330 Teaching Community and Mental Health
HESC 332 Health Behavior Theory and Assessment
HESC 342 Survey in Adaptive Physical Education/Recreation
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
HESC 425 Biomechanics of Human Movement
HESC 430 Physiology of Activity
HESC 431 Physiology of Activity Lab
HESC. 465 Teaching Seminar in Health/Physical Education
Students must have completed HESC 214, HESC 315, and HESC 325 prior to enrolling in HESC 414
In order to apply for Upper Division Clearance and enroll in methods courses, students must have completed all HESC and EDUC required courses except HESC 430, HESC 431, HESC 426, EDUC 420, EDUC 430, EDUC 400, and HESC 465. Students must have a minimum GPA of 2750 in the major and 2500 overall, and have completed PRAXIS I with a passing score

CREDITS TO TOTAL A MINIMUM OF 122

## 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:

1 Successful completion (minimum grade of C-1 of General Studies PSYC and SOCl courses, HESC 155, HESC 210, ENGL 110 and a MATH course
2. 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
Submission of a resume
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

## DEGREE: BACHELOR OF SCIENCE MAJOR: HEALTH BEHAVIOR MANAGEMENT CONCENTRATION: FITNESS MANAGEMENT

## CURRICULUM

## CREDITS

## UNIVERSITY REQUIREMENTS

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

Multicultural course:
Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content.

BREADTH REQUIREMENTS

Note: Must include courses from two different departments
Social Sciences
Psychology
Sociology . . . . . . . . . . . . . . . . . . . . . . . . 3
Natural and Biological Sciences and Mathematics.................... 13
Including:
MATH
Biology
NTDT 200 (3)
STAT 200 (3)
Note: The BISC course must include a lab

Additional Breadth Requirements

Chosen from any area above
MAJOR REQUIREMENTS (minimum grade $C$ - in each)
FREC 201 Records and Accounts .......... 3
or
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
HESC 335 Health and Aging
Survey in Adaptive Physical Education
HESC 354 Seminar in Fitness Management
HESC 400 Research Methods
HESC 422 Orgiza
Organization and Administration of Leisure Services ..... 3

CONCENTRATION REQUIREMENTS (minimum grade $C$ - in each)
HESC 220 Anatomy and Physiology
HESC 263 Leadership Practicum ....... ..... ........... 1
HESC 305 Fundamentals of Athletic Training ............... 3
HESC 320 Strength and Conditioning ................. 3
HESC 329 Dynamics of Team Problem Solving
HESC 350 Basic Kinesiology
HESC 430 Physiology of Activity
HESC 432 Basic Exercise Prescription

| HESC 445 | Concepts of Physical Fitness Testing | 3 |
| :--- | :--- | :--- |
| HESC 490 | Development of Health Promotion Programs | 3 |
| NTDT 310 | Nutrition and Activity |  |

## 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

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: HEALTH BEHAVIOR MANAGEMENT CONCENTRATION: RECREATION AND PARK ADMINISTRATION

## CURRICULUM <br> UNIVERSITY REQUIREMENTS

CREDITS

ENGL $110 \begin{aligned} & \text { Critical Reading and Writing } \\ & \text { (minimum grade C-) }\end{aligned}$
Multicultural course:
Three credits in an approved course or courses stressing multi-cultural, ethnic, and/or gender-related course content

## BREADTH REQUIREMENTS

Humanities and Communication Skills.12
Social Sciences

Psychology ..... 3
Sociology ..... 3
ncluding:
Includin
STAT 200 (3)
Additional Breadth Requirements
Chosen from any of the areas above
MAJOR REQUIREMENTS (minimum grade $C$ - in each)
FREC 201 Records and Accounts3

## r

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 Safery, First Aid and Emergency Care ... 3
HESC 332 Health Behavior Theory and Assessment ........... 3
HESC 335
HESC 342 Survey in Adaptive Physical Education
HESC 354 Seminar in Fitness Management
HESC 400 Research Methods
HESC 422 Organization and Administration of Leisure Services $\quad 3$
HESC 464 Internship.... 9
CONCENTRATION REQUIREMENTS (minimum grade $C$ - in each)
HESC 202 Practicum in Sport Management/Recreation 1............
HESC 207 Introduction to Recreation and Sport Management .... 3
HESC 261 Programming and Leadership 3
HESC 302 Practicum in Sport Management/Recreation II ..... 1
HESC 341 Principles of Outdoor Recreation 3
Plus, 18 credits reflecting a sub-discipline in recreation/leisure chosen under the direction of the faculty advisor and submitted for approval no later than the beginning of the second semester of the junior year

## 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

## DEGREE: BACHELOR OF SCIENCE MAJOR: HEALTH BEHAVIOR MANAGEMENT CONCENTRATION: SPORT MANAGEMENT

## CURRICULUM

CREDITS

## 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.3
BREADTH REQUIREMENTS
Humanities and Communication Skills. ..... 12Note: Must include courses from at least two departments
Social Sciences
Psychology ..... 3
Sociology ..... 3
Natural and Biological Sciences and Mathematics ..... 10
IncludingSTAT 200 (3)
Addifional Breadth Requirements ..... 9
Chosen from any of the areas above
MAJOR REQUIREMENTS (minimum grade $C$ - in each)
ACCT 200 Survey of Accounting ..... 4
3
3HESC 1.55 Personal Health Management: An Approach for a LifetimeHESC 200 Issues in Heaith Behavior ManagementHESC 210 Safety, First Aid and Emergency CareHESC 332 Health Behavior Theory and AssessmentHESC 335 Health and AgingHESC 342 Survey in Adaptive Physical EducationHESC 354 Seminar in Fitness Management
HESC 400 Research MethodsHESC 422 Organization and Administration of leisure Services
HESC 464 Internship3
CONCENTRATION REQUIREMENTS (minimum grade $C$ - in each)ECON 100 Economic Issues and Policies3
FINC 200 Fundamentals of Finance ..... 3
HESC 202 Practicum in Sport Management/Recreation IHESC 207 Introduction to Recreation and Sport ManagementHESC 261 Programming and LeadershipHESC 302 Practicum in Sport Management/Recreation II.HESC 303 Practicum in Sport Management IllHESC 344 Financial Aspects of Sport ManagementHESC 347 Legal Aspects of Sport ManagementHESC 437 Sport Marketing1
3
HESC 340 Management of Sport Information3
HESC 344 Financial Aspects of Sport Management ..... $\begin{array}{r}3 \\ 3 \\ \hline\end{array}$

## 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
DEGREE: BACHELOR OF SCIENCE MAJOR: APPLIED NUTRITION
CURRICULUM
CREDITS
UNIVERSITY REQUIREMENTS
ENGL 110 Critical Reading and Writing
(minimum grade C - ..... 3Three credits in an approved course or courses stressing multi-cultural, ethnic,and/or gender-related course content (see p 60-63)3
MAJOR REQUIREMENTSHumanities electivesorCHEM 103/104 General Chemistry8
CHEM 213 Elementary Organic Chemistry ..... 4
CHEM 214/216 Elementary Biochemistry with Lab ..... 4
BISC 104 Principles of Biologyor
BISC. 207/208 Introductory Biology I and II ..... 4.8
BISC 106 Elementary Human Physiology ..... 3
BISC 276 Human Physiology ..... 4
Students desiring to fulfill a Biology
ECON 100 Economic lssues and Policies
or
ECON 151 Introduction to Microeconomics: Prices and Markets ..... 3
PSYC 100 General Psychology
Sociology course
BUAD 309. Management and Organizational Behavior
FOSC 305 Food Science (minimum grade of C-)3$\begin{array}{r}3 \\ -3 \\ \hline\end{array}$
MATH 114 Elementary Marhematics and Statistics
MATH 114 Elementary Marhematics and Statistics 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 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 103 Introduction to Nutrition Professions . 1
NTDT 200 Nutrition Concepts 3
NTDT 201 Food Concepts ... ... .. ... 3
NTDT 400 Macronutrients
NTDT 401 Micronutrients
NTDT 445 Teaching Methods: Nutrition and Food
NTDT courses (300-level or higher)
NTDT Restricted Elective (minimum grade of $\dot{C}$ - must be achieved)

## One of the following:

| NTDT 305 | Nutrition in the LifeSpan................ |
| :--- | :--- | :--- |
| NTDT 350 | 3 |

NTDT 420 Maternal and Infant Nutrition ..... 3

## ELECTIVES

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

## DEGREE: BACHELOR OF SCIENCE <br> MAJOR: DIETETICS

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

Humanities electives.
CHEM 101/102 General Chemistry $\stackrel{\circ}{\circ}$
CHEM 103/104 General Chemistry
CHEM 213 Elementary Organic Chemistry
CHEM 214/216 Elementary Biochemistry with Lab
BISC 207/208 Introductory Biology I and II
BISC 276 Human Physiology
BISC 300 Introduction to Microbiology
4
ECON 100 Economic Issues and Policies
or
ECON 151 Introduction to Microeconomics: Prices and Markets .... 3
PSYC 100 General Psychology .... ..................... 3
One of the following courses
SOCl 201 Introduction to Society
BUAD 309 Management and Organizational Behavior … 3


Statistics course selected from: STAT 200, PSYC 209, FREC $408 \ldots . .$.
MATH 114 Elementary Mathematics and Statistics
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 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

NTDT 103 Introduction to Nutrition Professions
NTDT 200 Nutrition Concepts
NTDT 201 Food Concepts
NTDT 321 Quantily Food Production and Service
NTDT 322 Management of Food and Nutrition Services
NTDT 326 Onsite Food Products
NTDT 330 Nutritional Counseling
NTDT 400 Macronutrients
NTDT 401 Micronutrients.
NTDT 403 Dietetics Seminar
NTDT 421 Nutrition Assessment Methods.
NTDT 445 Teaching Methods: Nutrition and Foods
NTDT 450 Medical Nutrition Therapy 1
NTDT 451 Medical Nutrition Therapy II
NTDT 460 Community Nutrition
1
3

One of the following:
NTDT 305 Nutrition in the LifeSpan
NTDT 350 Nutrition and Older Adults
NTDT 420 Maternal and Infant Nutrition

## ELECTIVES

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 200 level courses in Military Science/Air Force may be counted toward the degree.)
CREDITS TO TOTAL A MINIMUM OF . 120

## DEGREE: BACHELOR OF SCIENCE <br> 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)

## MAJOR REQUIREMENTS

Humanities electives ................................. 6
CHEM 103/104 General Chemistry
CHEM 214/216 Elementary Biochemistry with Lab
CHEM 220/221 Quantitative Analysis I with Lab
CHEM 321/322 Organic Chemistry
BISC 207/208 Introductory Biology I and II
BISC 276 Human Physiology
4
Introduction to Microbiology
ECON 100 Economic Issues and Policies
or
ECON 151 Introduction to Microeconomics: Prices and Markets ....... 3
Social Science electives
FOSC 305 Food Science (minimum grade C-) 3
FREC 408 Research Methods
MATH 221/222 Calculus I and II
or
MATH 241/242 Analytic Geometry and Calculus A and B ..... 6.8
A minimum grade of C- must be achieved for credits to count toward the fulfiliment of 30 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 200 | Nutrition Concepts |
| :--- | :--- | :--- |
| NTDT 201 | Food Concepts |.

## ELECTIVES

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 225 . 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 ......................
HESC 320 Principles of Strength and Conditioning ... 3
HESC 390 Principles of Coaching
HESC 440 Strategies for Athletic Peak Performance ................ . . . . . 3
HESC 460 Coaching/Performance Practicum ...................... . . . . 3
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 sfudents 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. Enroliment 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 identify individual course prerequisites
HESC 220 Anatomy and Physiology.
HESC 350 Basic Concepts in Kinesiology
HESC 425 Biomechanics of Human Movement ............ 4
HESC 426 Biomechanics I ..... .. . ........... ............ 4
HESC 430 Physiology of Activity
HESC 431 Physiology of Activity Laboratory . . . . . . . . 1
NTDT 200 Nutrition Concepts ... .............. 3

## Required Courses:

HESC 320 Principles of Strength/Conditioning ................. 3
HESC 432 Basic Exercise Prescription ........... 3
HESC 440 Strategies for Athletic Peak Performance ............ 3
HESC 447 Advanced Topics in Strength and Conditioning ............... 3

NTDT 310 Nutrition and Activity. .. ........................ ........ 3

## 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

## 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)

## BREADTH REQUIREMENTS

Creative Arts and Humanities.
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)
PSYC100, ECON100 or ECON151, SOCl201, 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) ... 11
BISC104 or 207, CHEM101 or CHEM1 03 or CHEM105, 100-level or higher
MATH, BISC208, and other natural science courses
MAJOR REQUIREMENTS (minimum grade $C$ - in each)
Second Writing Course
An approved course taken after completion of 45 credit hours (listed as "Section satisfies $\mathrm{A} \& S$ writing requirement" in the registration booklet)

Statistics Course at the 200 level or above ............ 3
CSCC/PHIL241 Ethical Issues in Healthcare ...................... 3
BISC276 Human Physiology. ..... ........ . . . 4
CNST404 (prerequisite required CNSTIOO) or HESC422
MEDT100
or
NURS100 Introductory Course ....................................
NURS101 Anatomy ............................................. 2
HESC220 Anatomy and Physiology ...... ................ 3
HESC155 Personal Health Management ... . .................... 3
or
HESC 214 Wellness: A Way of Life . ..................................... 3
NTDT 200 Nutrition Concepts ............................... 3
HESC 210 Safety, First Aid and Emergency Care 3
MEDT 210 Information Technologies and Communication Skills.... ..... 2
or
HESC 276 Personal Computers in Health, Physical Education
NTDT305 Nutrition in the lifespan
Research Me
HESC 400 Research Methods .
MEDT375 Clinical Laboratory Principles and Statistics ..... 2
NURS411 Topics 3

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 Multiculfural Food Habits .................. 3
NTDT310. Nutrition and Activity
NTDT350 Nutrition and Older Adults.......................... 3
Additional HESC, MEDT, NTDT, or NURS
( 3 credits must be at the 400 level)
HITH 495 Health Studies Practicum: Capstone Course: Student will be required to complere a Service Learning Experience
CONCENTRATION AREA (minimum grade $\dot{C}$ - 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. . . . . . . ........................... 15
(No more than 9 credits at the 100 and 200 level and 3 credits at the 400 level)
Family and Personal Health: (COMM200, FOSC102, HESC335, IFST329, IFST339, IFST401, IFST410, NTDT310, NTDT350, NTDT452, PSYC325, PSYC334, SOCl418)

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, BISC1 10, BISC152, BISC171/300, CHEM 102 or CHEM 104 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 fulltime 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.
2. 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/medtect

## DEGREE: BACHELOR OF SCIENCE MAJOR: MEDICAL TECHNOLOGY

CURRICULUM CREDITS

## UNIVERSITY REQUIREMENTS

ENGL $110 \ldots$ 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
MATH 114 College Marhematics and Statistics (for students who do not intend to continue the study of mathematics)
MATH 115 Pre-Calculus
MATH 117 Pre-Calculus for Scientists and Engineers (for students who intend to continue the study of mathematics)
MATH 221 Calculus I

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 )
Group A: Understanding and appreciation of the creative arts and humanities6
Group B: The study of culture and institutions over time6
Three credit Pathway
(minimum grade of $C$ - required in all MEDT courses)
MEDT 100 : Introduction to Medical Technology
MEDT 210 Information Technologies and Communication Skills
MEDT 370 Phlebotomy Practicum
MEDT 375 : Clinical Laboratory Principles and Statistics
MEDT 380 Clinical Immunology and Medical Virology
MEDT 390 Introduction to Molecular Diagnostics
MEDT 391 Introduction to Molecular Diagnostics Laboratory
MEDT 400 Urinalysis and Body Fluids
MEDT 401 Clinical Physiological Chemistry I
MEDT 41.1 Clinical Physiological Chemistry I Laboratory
MEDT 404 Hematology I
Hematology I Laboratory
Medical Microbiology
MEDT 416 Medical Microbiology Laboratory
MEDT 403 Clinical Physiological Chemistry II
MEDT 413 , Clinical Physiological Chemistry II Laboratory
MEDT 418 Medical Technology Senior Seminar
MEDT 405 Hematology II.
MEDT 415 Hematology II Laboratory
MEDT 409 Immunohematology
MEDT 419 Immunohematology Laboratory
MEDT 420 Immunohematology II
MEDT 421 Immunohematology II Laboratory,
MEDT 430 Diagnostic Bacteriology and Medical Mycology.
MEDT 431 Diagnostic Bacteriology and Medical Mycology Laboratory
MEDT 461 Laboratory Practice and Leadership I
MEDT 471 Laboratory Practice and Leadership II
MEDT 472 Clinical Urinalysis and Serology Practicum
MEDT 473 Clinical Chemistry Practicum
MEDT 475 Clinical Hematology Practicum
MEDT 477 Clinical Microbiology Practicum.
MEDT 479 Clinical Immunohematology Practicum
" | - | " . . . .
BISC 207/208 Introductory Biology I and II .. .................. 8
BISC 276 Human Physiology ...
BISC 300 Introduction to Microbiology ............... 4
CHEM 103/104 General Chemistry
CHEM 213 Elementary Organic Chemistry
and
CHEM 214/216 Elementary Biochemistry with Lab
or
CHEM 321/322 Organic Chemistry

# CREDITS TO TOTAL A MINIMUM OF 

## HONORS BACHELOR OF SCIENCE: MEDICAL TECHNOLOGY

The recipient must complete:

1. All requirements for the Bachelor of Science degree in Medical Technology
2. 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, medicalsurgical, 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
3. 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 (wwwudeledu/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 transpoitation 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
2. 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 (Traditional Program) <br> MAJOR: NURSING

CURRICULUM
CREDITS
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 breadith requirements

## BREADTH REQUIREMENTS

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

Group A: Understanding and appreciation of the creative arts and humanities
(Foreign language requirement may be substituted for a Group A requirement)
Group B: The study of culture and institutions over time.
Group C: Empirically based study of human beings and their environment
MAJOR REQUIREMENTS
BISC 207 Introductory Biology
BISC 276 Human Physiology (minimum arade C)
BISC 300 I
BISC Introduction to Microbiology
CHEM 105 General Chemistry
CHEM 106 Elementary Bioorganic Chemistry
NTDT 200 Nutrition Concepts
STAT 200 Basic Statistical Practice
PSYC 100 General Psychology
IFST 201 Life Span Development
NURS 100 New Student Connections
NURS 101 Basic Human Anatomy
NURS 110 Nursing Connections
NURS 200 Clinical Decision Making
NURS 222 Pharmacology
3
Lifespan ....... . . . . . . . 2
Scientific Basis
NURS $242 \quad \begin{aligned} & \text { Scientific Basis of Nursing } \\ & \text { Scientific Basis of Nursing }\end{aligned}$

NURS 354
NURS 356 Care of Children and Families
NURS 358 Women's Health Nursing
NURS 362 Research Concepts in Health Care
NURS 372 Adult Health Nursing
NURS 382 Communities and Health Policy
NURS 390 Clinical Work Experiences
NURS 411 Topics in Health Care Delivery : 3
NURS 411 Topics in Health Care Delivery* 3
NURS 453 Clinical Applications: Adult Health Nursing $1 \ldots 3$
NURS 457 Clinical Applications: Maternal Child Nursing . . . ... . . . . . . 3
NURS 459 Clinical Application: Psychosocial Nursing 3
NURS 460 Clinical Integration Seminar I
NURS 473 Clinical Applications: Adult Health Nursing II
NURS 477 Clinical Applications: Care of Populations
NURS 479 Clinical Preceptorship
*Each student is required to take 6 credits of NURS 411

## 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

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.

## DEGREE: BACHELOR OF SCIENCE IN NURSING (Accelerated Degree Program) <br> MAJOR: NURSING <br> CURRICUIUM <br> CREDITS

UNIVERSITY REQUIREMENTS
ENGL T10. 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
(Foreign language requirement may be substituted for a Group $A$ requirement)
Group B: The study of culture and institutions over time

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

## SUPPORT COURSES

(To be completed through course work or transfer of credit before beginning the first Winter Session)
BISC. 207 Introductory Biology 1.............................. 4
NURS 101 Basic Human Anatomy .............. 2
BISC 276 Human Physiology (minimum grade Ct ........... 4
BISC 300 introduction to Microbiology .................. 4
CHEM 105 General Chemistry ................ 4
CHEM 106 Elementary Bioorganic Chemistry .................. 5
IFST 201 life Span Development ......................... 3
NTDT 200 Nutrition Concepts .................................. 3
PSYC 100 General Psychology $\quad . .$.
STAT 200 Basic Statistical Practice ............................. . . 3
NURSING COURSES ( 66 credits)
NURS 220 Concepts of Nursing Practice ............................ 3
NURS 222 Pharmacology 3
NURS 231 Health Promotion Across the Lifespan.................. 2
NURS 232 Care of Vulnerable Populations ................. 2
NURS 241 Scientific Basis of Nursing .................................... 3
NURS 242 Scientific Basis of Nursing
NURS 250 Health Assessment Across the Lifespan
NURS 352 Adult Health Nursing
NURS 354 Psychosocial Nursing
NURS 356 An Families
NURS 358 Women's Health Nursing
NURS 362 Research Concepts in Health Care $\quad 3$
NURS 372 Adult Health Nursing
NURS 382 Communities and Health Policy
NURS 411 Topics in Health Care Delivery
NURS 411 Topics in Health Care Delivery*
lopics in Health Care Dolly
NURS 453 Clinical Applications: Adult Health Nursing I $\quad 3$
NURS 4.57 Clinical Applications: Maternal Child Nursing ............... 3
NURS 459 Clinical Application: Psychosocial Nursing ............... 3
NURS 460 Clinical Integration Seminar
NURS 473 Clinical Applications: Adult Health Nursing II.
NURS 477 ................ 3
NURS 479 Clinical Preceptorship Care of Populanions .... . . . . . . ........... 3
NURS 480 Clinical Integration Seminar II ..... . ................... 2
*Each student is required to take 6 credits of NURS 411

## 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

120Many 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) majot 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 nussing 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 form or access the application online at http://wwwudel 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 States
- 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 courses.

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 ate 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 MAJOR: BACCALAUREATE FOR THE REGISTERED NURSE (BRN)

## CURRICULUM

CREDITS

## UNIVERSITY REQUIREMENTS

ENGL $110 \quad$ 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

24 credits, to include a minimum of one course in each of the following five

## categories:

24
(1) biology, (2) microbiology, (3) chemistry, (4) anatomy and physiology, and (5) nutrition

STAT 200 Basic Statistical Practice .... ............. 3
English course (second English composition course) ........................ 3
Psychology course ....... ... ..... ..... .. . . . . . . . . ................ 3
Sociology course
Lifespan development course .......................................... 3
Restricted elective chosen from the following . . . . . . . . . . . . . .
Art, Art History, History, Philosophy, Music, Thearre, Comparative Literature, Black American Studies, Economics, Political Science, Women's Studies, Foreign Languages and Literatures, Linguistics, and English
NURS 312 Pathophysiology
4

NURS 345 Conceptual Foundations for Nursing Practice" ... 3
NURS 350 Wellness/Health Assessment. . .................... 3
NURS 362 Research Concepts in Health Care ........................ 3
NURS 411 Topics in Health Care Delivery 3
NURS 435 Leadership \& Management in Health Organizations .......... 3
NURS 442 Community Health Nursing ....................... 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

