

Ellmer College of Health Sciences

Web Site: <http://www.odu.edu/hs> (<http://www.odu.edu/hs/>)

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The Ellmer College of Health Sciences' mission is to engage learners, make discoveries and improve health. We are a forward-focused College that improves health in our communities through innovative and interdisciplinary approaches. The college values integrity, inclusiveness, excellence and partnership. The degree programs are competitive, fully accredited (if applicable), and nationally recognized for quality graduates.

The college consists of the School of Exercise Science, the Gene W. Hirschfeld School of Dental Hygiene, the School of Medical Diagnostic and Translational Sciences, the School of Rehabilitation Sciences and the School of Speech-Language Pathology. These schools offer a variety of baccalaureate, master's, and doctoral degrees, undergraduate, graduate, and non-degree certificate programs, accelerated and degree completion programs, minors, and professional continuing education programs. In addition, many of these programs are offered off-campus and in a variety of online formats. See individual program information or the Graduate Catalog for details.

Program Application, Acceptance, and Continuance

Intended Health Sciences Students - Virginia Health Sciences Advising Center

Students who qualify for regular admission to the University and who intend to apply for admission to a health sciences major program are considered Intended Health Sciences students until admitted to their intended major. They will be assigned an advisor in the Virginia Health Sciences Advising Center while completing general education and prerequisite requirements needed to apply to their intended major. Intended health sciences students receive individualized advising support designed to prepare them for success in their chosen health sciences major.

Contact:
Virginia Health Sciences Advising Center
3rd floor Ellmer Health Sciences Building
1019 W 41st. Street, Norfolk, VA 23529
757-683-5137
VHSAadvising@odu.edu

<https://www.odu.edu/virginia-health-sciences-advising> (<https://www.odu.edu/virginia-health-sciences-advising/>)

Advising

Leanne White, Director of Advising
Nicole Boyette, Advisor
Danyel Cuffee, Advisor
Kristen Haben, Advisor
Jessica McGee, Advisor
Scott Thomas, Advisor

Regulations for Continuance as an Intended Health Sciences Major

Students are eligible to continue as Intended Health Sciences majors as long as they meet both of the following:

1. Meet the continuance regulations of the University.
2. Make reasonable progress toward matriculation into an Ellmer College of Health Sciences major program.

At the end of each semester (fall, spring, and summer), the Virginia Health Sciences Advising Center reviews the records of all students who do not meet minimum admissions requirements for their intended major (see admissions information in the specific program sections of the Catalog and on the web site.) A student who has ceased reasonable progress toward admission into an Ellmer College of Health Sciences degree program will be notified in writing via the student's Old Dominion University e-mail address, in accordance with the Electronic Communication Policy for Official University Business.

Students who are not making satisfactory progress in Health Sciences will meet with their professional academic advisor in health sciences to determine the next steps. The advisor will assist the student in identifying another major in the school/college; facilitating a transfer to another school/college if the new major is known, or connecting with an exploratory advisor for assistance in selecting a new intended major.

Program Admission

A separate application must be submitted to be considered for acceptance into many of the health science majors. **Acceptance to the University does not constitute or guarantee acceptance into these health science majors.** Students are notified by the program director of their acceptance and any other program specific requirements such as physicals, immunizations, technical standards, etc. Application information, qualifications, deadlines, and advisors are listed in the specific program sections of the Catalog and on the web site.

Continuance in the health science majors requires strong academic achievement, including successful demonstration of knowledge and use of practical and critical thinking skills in laboratory and in clinical rotations. Criminal background checks may be required as specified in course syllabi or program-specific admission materials. Any student deemed unacceptable for clinical or other field rotation due to results from a criminal background check will not be allowed to complete the program of study.

Advanced Placement

Advanced placement credit may be earned for courses offered by the Ellmer College of Health Sciences upon validation of mastery of the subject matter and skills covered in the respective course(s). A fee may be charged for the assessment of competency. Please check with the school offering the course for further information.

Departments

- Dental Hygiene (<https://catalog.odu.edu/undergraduate/health-sciences/dental-hygiene/>)
- Exercise Science (<https://catalog.odu.edu/undergraduate/health-sciences/exercise-science/>)
- Medical Diagnostic & Translational Sciences (<https://catalog.odu.edu/undergraduate/health-sciences/medical-diagnostic-translational-sciences/>)
- Speech-Language Pathology (<https://catalog.odu.edu/undergraduate/health-sciences/speech-language-pathology/>)

Programs

Bachelor of Science Programs

- Exercise Science (BS) (<https://catalog.odu.edu/undergraduate/health-sciences/exercise-science/exercise-science-bs/>)
- Speech-Language Pathology and Audiology (BS) (<https://catalog.odu.edu/undergraduate/health-sciences/speech-language-pathology/speech-language-pathology-audiology-bs/>)

Bachelor of Science in Dental Hygiene Programs

- Dental Hygiene (BSDH) (<https://catalog.odu.edu/undergraduate/health-sciences/dental-hygiene/dental-hygiene-bsdh/>)

- Dental Hygiene Post-Licensure Major (BSDH) (<https://catalog.odu.edu/undergraduate/health-sciences/dental-hygiene/dental-hygiene-post-licensure-bsdh/>)

Bachelor of Science in Health Sciences Programs

- Health Sciences with a Major in Pre-Clinical Studies (BSHS) (<https://catalog.odu.edu/undergraduate/health-sciences/programs/health-sciences-pre-clinical-studies-bshs/>)
- Health Sciences with a Major in Recreational Therapy (BSHS) (<https://catalog.odu.edu/undergraduate/health-sciences/programs/health-science-recreational-therapy-bshs/>)

Bachelor of Science in Medical Laboratory Science Programs

- Medical Laboratory Science (BSMLS) (<https://catalog.odu.edu/undergraduate/health-sciences/medical-diagnostic-translational-sciences/medical-laboratory-science-bsmls/>)
- Medical Laboratory Science Degree Completion Major (BSMLS) (<https://catalog.odu.edu/undergraduate/health-sciences/medical-diagnostic-translational-sciences/medical-laboratory-science-degree-completion-bsmls/>)

Bachelor of Science in Nuclear Medicine Technology Program

- Nuclear Medicine Technology (BSNMT) (<https://catalog.odu.edu/undergraduate/health-sciences/medical-diagnostic-translational-sciences/nuclear-medicine-technology-bsnmt/>)

Certificate Program

- Cytology Certificate (<https://catalog.odu.edu/undergraduate/health-sciences/medical-diagnostic-translational-sciences/cytology-certificate/>)

Minors

- Exercise Science Minor (<https://catalog.odu.edu/undergraduate/health-sciences/exercise-science/exercise-science-minor/>)
- Health and Wellness Minor (<https://catalog.odu.edu/undergraduate/health-sciences/exercise-science/health-wellness-minor/>)
- Medical Laboratory Science Minor (<https://catalog.odu.edu/undergraduate/health-sciences/medical-diagnostic-translational-sciences/medical-laboratory-science-minor/>)
- Recreational Therapy Minor (<https://catalog.odu.edu/undergraduate/health-sciences/programs/recreational-therapy-minor/>)
- Speech-Language Pathology and Audiology Minor (<https://catalog.odu.edu/undergraduate/health-sciences/speech-language-pathology/speech-language-pathology-audiology-minor/>)

EVMS – Early Assurance Programs

ODU and EVMS School of Health Professions have entered into Early Assurance Program (EAP) agreements. ODU applicants meeting certain criteria are eligible for early assurance into the EVMS Master of Pathologists' Assistant (MSHPA) program, Master of Physician Assistant (MPA) program, EVMS Master of Surgical Assisting (MSA) program, and Master of Laboratory Animal Science (MS) program. To be eligible to apply through the EAP program, students must meet and maintain specific criteria as outlined on the EVMS website:

Laboratory Animal Science (MS):
https://www.evms.edu/education/masters_programs/laboratory_animal_science/early_assurance_program/

Pathologists' Assistant (MSHPA):
https://www.evms.edu/education/masters_programs/pathologists_assistant/early_assurance_program/

Physician Assistant (MPA):

https://www.evms.edu/education/masters_programs/physician_assistant/admissions_information/early_assurance_program/

Surgical Assisting (MSA):

https://www.evms.edu/education/masters_programs/surgical_assisting/early_assurance_program/

Courses

Cytotechnology (CYTO)

CYTO 403 Gynecological Screening Laboratory (3 Credit Hours)

Laboratory experience in the screening of gynecological smears.

Prerequisites: Acceptance into the Cytotechnology Program and/or permission of the cytotechnology program director

Pre- or corequisite: CYTO 405 and CYTO 415

CYTO 404 General Pathology (3 Credit Hours)

This course is an overview of general disease processes and causes in the human. All body systems will be covered including respiratory, gastrointestinal, circulatory, nervous, reproductive, and urinary. Aging, dietary, and stress factors will be discussed in the disease process. Bacteria, fungi, and viruses will be discussed in general and for each body system. Neoplasms will be covered for each body site. This course will be of benefit to anyone interested in diseases of the human body or entering the medical field. (cross listed with MLS 401)

Prerequisites: junior standing

Pre- or corequisite: BIOL 250 and BIOL 251 or equivalent

CYTO 405 Normal Gynecological Cytology (3 Credit Hours)

Introduction to histological and cytological features of the normal female genital tract with emphasis on normal and non-neoplastic abnormalities. Principles of cytological diagnostic techniques will be discussed.

Prerequisites: Acceptance into the Cytotechnology Program or permission of program director

Pre- or corequisite: CYTO 403

CYTO 407 Clinical Histology (3 Credit Hours)

This course consists of the systematic study of cellular components as well as the grouping/organization of tissues into major 'organ' systems. Additionally, the cellular basis of examples of human diseases will be studied. Microscopic and virtual identification and morphology of cells, tissues, and organ substructures will be emphasized. This course will be of benefit to anyone interested in diseases of the human body or entering the medical field.

Prerequisites: permission of the instructor

CYTO 415 Abnormal Gynecological Cytology (4 Credit Hours)

Introduction to diagnostic cytological techniques and pathology of the female reproductive tract with emphasis on premalignant and malignant changes.

Pre- or corequisite: CYTO 403 and CYTO 405

CYTO 424 Respiratory Cytology (4 Credit Hours)

Principles of diagnostic cytology and pathology of the respiratory tract, including benign conditions, inflammatory and infectious diseases, premalignant conditions and primary and metastatic malignancies.

Prerequisites: Admission to the cytotechnology program

Pre- or corequisite: CYTO 405 and CYTO 415

CYTO 428W Cytopreparatory Techniques and Procedures (3 Credit Hours)

Introduction to collection, processing and preparation of cytologic specimens from all body sites and general laboratory procedures and regulations. A portion of this course consists of practical experience acquired in the laboratory. Practical experience will be perfected during clinical site rotations throughout the Cytotechnology Program. Students will learn how to properly write lab reports and papers related to health science fields. This is a writing intensive course.

Prerequisites: Pre-admission to the Cytotechnology Program or Program Director permission; completion of ENGL 110C and ENGL 211C or ENGL 221C or ENGL 231C with a grade of C or higher

CYTO 430 Cytopreparation & Ancillary Techniques (4 Credit Hours)

The course offers an introduction to cytopreparation and ancillary diagnostic techniques. Upon completion, students should be able to understand the principles of cytology preparatory techniques as well as fixation and staining theory and use. In addition, students will learn the application and interpretation of various special and immunohistochemical stains, and understand the various molecular tests available for use in cytopathology.

Prerequisites: CYTO 404

Pre- or corequisite: CYTO 403, CYTO 405 and CYTO 415

CYTO 442 Gastro-Intestinal Cytology (2 Credit Hours)

Study of the pathology and cytology of the gastro-intestinal tract, including the oral cavity, esophagus, stomach, colon, and rectum. Emphasis on normal conditions, benign inflammatory, infections, parasitic conditions, gastric ulcers, premalignant and malignant lesions.

Pre- or corequisite: CYTO 405 and CYTO 415

CYTO 444 Genitourinary Cytology (2 Credit Hours)

Study of the pathology and cytology of the genitourinary tract, with emphasis in normal conditions, benign inflammatory and infectious conditions, crystals, premalignant and malignant lesions.

Pre- or corequisite: CYTO 405 and CYTO 415

CYTO 445 Breast Cytology (2 Credit Hours)

Study of pathology and cytology of the breast, with emphasis on benign, inflammatory conditions, premalignant and malignant disease in both breast smears and fine needle aspirations.

Prerequisites: CYTO 407

Pre- or corequisite: CYTO 405 and CYTO 415

CYTO 446 Body Fluids Cytology (3 Credit Hours)

Study of the pleural, peritoneal and pericardial cavity fluids, synovial and cerebral spinal fluids, with emphasis on benign, inflammatory conditions, and primary and metastatic malignancies.

Prerequisites: CYTO 407

Pre- or corequisite: CYTO 405 and CYTO 415

CYTO 448 Non-Epithelial Cytology (1 Credit Hour)

Study of the pathology and cytology of non-epithelial lesions with emphasis on benign, inflammatory, and malignant conditions.

Prerequisites: Admission to the cytotechnology program

Pre- or corequisite: CYTO 405, CYTO 415, CYTO 424, CYTO 444, CYTO 445, and CYTO 446

CYTO 456 Fine Needle Aspiration Cytology I (3 Credit Hours)

Study of specialized collection techniques, processing and diagnosis of fine needle aspirations from various body sites, including thyroid, liver, lymph nodes, pancreas, lung, mediastinum, salivary gland, and ovary. Clinical practical application of these principles will be continued at the clinical sites.

Prerequisites: CYTO 403, CYTO 405, CYTO 415, and CYTO 428W

CYTO 457 Fine Needle Aspiration Cytology II (3 Credit Hours)

Study of specialized collection techniques, processing and diagnosis of fine needle aspirations from various body sites, including kidney, retroperitoneum, breast, soft tissue, bone, eye, central nervous system, and skin. Clinical practical application of these principles will be continued at the clinical sites.

Prerequisites: CYTO 403, CYTO 405, CYTO 415, CYTO 424, CYTO 428W, CYTO 445, CYTO 446, CYTO 448, and CYTO 456

CYTO 458 Cytology Internship I (3 Credit Hours)

Directly supervised experience in a clinical setting; includes evaluation of gynecologic smears and study set assignments. Students will be exposed to cytopreparatory techniques.

Pre- or corequisite: CYTO 405 and CYTO 415

CYTO 468 Cytology Internship II (4 Credit Hours)

Directly supervised experience in a clinical setting. Includes evaluation of gynecologic and non-gynecologic specimen slides and study set assignments. Students will pre-screen gynecologic and non-gynecologic smears and study set assignments. Students will be exposed to cytopreparatory techniques.

Pre- or corequisite: CYTO 405, CYTO 415, CYTO 424, CYTO 444, CYTO 445, and CYTO 446

CYTO 478 Cytology Internship III (8 Credit Hours)

Directly supervised experience in a clinical setting. Includes evaluation of gynecologic and non-gynecologic smears and study set assignments. Students will be exposed to cytopreparatory techniques.

Prerequisites: Admission to the cytotechnology program

Pre- or corequisite: CYTO 405, CYTO 415, CYTO 424, CYTO 444, CYTO 445, CYTO 446, CYTO 456, and CYTO 457

CYTO 495 Topics in Cytology (1-3 Credit Hours)

Independent study of selected topics in clinical cytology. Review of cytologic specimens from various body sites

Prerequisites: permission of the program director

CYTO 497 Cytology Senior Seminar (1 Credit Hour)

Supervised experience consists of clinical cases and seminar presentations into current advances within the specialty of clinical cytology. A student research project and oral presentation of current journal articles and the research paper are required.

Prerequisites: permission of the program director

CYTO 498 Topics (1-3 Credit Hours)

Topics.

Prerequisites: Instructor approval

CYTO 499 Comprehensive Cytology Review (1 Credit Hour)

The course is a comprehensive review course that includes the review and study of the exfoliative and non-exfoliative (including fine needle aspirations) cytomorphologic features of neoplastic and non-neoplastic lesions of the female genital tract, respiratory tract, urinary tract, body fluids, lymph nodes, thyroid, salivary glands, pancreas and biliary tract, the diagnostic pitfalls associated with the various body sites, the appropriate use of ancillary techniques in diagnostic cytology, the principles of quality assurance, and the new developments in the field of cytopathology.

Prerequisites: CYTO 403, CYTO 405, CYTO 415, CYTO 424, CYTO 428W, CYTO 442, CYTO 444, CYTO 445, CYTO 446, CYTO 448, CYTO 456, CYTO 457, CYTO 458, and CYTO 468

Health Sciences (HLSC)**HLSC 318 Principles of Nutrition (3 Credit Hours)**

This course is designed especially for those entering the health education or health care field, covering the physiology of each of the major body systems as a basis for understanding those aspects of its function that reflect the importance of various nutrients.

Prerequisites: CHEM 105N-CHEM 106N or CHEM 121N-CHEM 122N and CHEM 123N-CHEM 124N; BIOL 240, BIOL 241, BIOL 250 or BIOL 251, or permission of the instructor

HLSC 320 Health Equity and Disability Culture (3 Credit Hours)

This course will explore the history of health equity and disability and how prejudice and discrimination against people with disabilities impact health. Students will learn how to apply health equity frameworks, theories, and research to address disability-specific models of health disparities and to achieve health equity in populations with disabilities.

Prerequisites: RT 261 with a grade of C- or higher or PUBH 200 with a grade of C or higher or HLTH 120G with a grade of C or higher; restricted to Sophomore standing; restricted to majors (intended or declared) pursuing the BSHS degree or instructor approval

HLSC 335 Population Health (3 Credit Hours)

This course provides a population-based approach to professional work in disease management, chronic care management and politics, in addition to students studying public health, health policy, quality and patient safety, health care administration, medicine, nursing, pharmacy, social work and other related clinical professions.

Prerequisites: RT 261 with a grade of C- or higher or PUBH 200 with a grade of C or higher or HLTH 120G with a grade of C or higher

HLSC 390 The U.S. Healthcare Delivery System (3 Credit Hours)

The uniqueness of the U.S. healthcare delivery system will be explored in terms of a systems framework and its complexity. The basic characteristics that differentiate the U.S. healthcare delivery system from that of other countries will be presented.

Prerequisites: RT 261 with a grade of C- or higher or PUBH 200 with a grade of C or higher or HLTH 120G with a grade of C or higher

HLSC 395 Topics in Health (1-3 Credit Hours)

Study of selected topics.

Prerequisites: Permission of the instructor

HLSC 405 Interprofessional Study Abroad on Global Health (1-3 Credit Hours)

This study abroad service learning course will introduce the student to the political, social, cultural, and ethical issues involved in prevention and health promotion globally. Students will travel to another country and learn the incidence/prevalence, morbidity/mortality, and identified public health problems in specific regions and countries.

Prerequisites: ENGL 110C

HLSC 425/525 Health Aspects of Aging (3 Credit Hours)

Identifies major issues and problems in meeting health care needs of the aged. Emphasis on role of social assets and supports in determining effects of life changes on the aging process.

Prerequisites: PUBH 200

HLSC 430W/530 Community Health Resources and Health Promotion (3 Credit Hours)

Designed to provide information about community health resources and health promotion theory. This is a writing intensive course.

Prerequisites: ENGL 110C and ENGL 211C or ENGL 221C or ENGL 231C with a grade of C or better, and a major in Health Sciences-Health Services Administration or a minor in Community Health

HLSC 440/540 Finance and Budgeting in Healthcare (3 Credit Hours)

This course covers financial management functions in healthcare organizations including operating and capital budgeting processes along with budgeting and financial controls.

Prerequisites: Junior standing and a declared major in the BSHS Health Services Administration program

HLSC 445/545 Health Sciences Research Methods (3 Credit Hours)

This course focuses on the principles and statistical procedures used in health sciences research and its application in health care settings.

Prerequisites: STAT 130M with a C or higher grade

HLSC 450/550 Public and Community Health Administration (3 Credit Hours)

A review of the principles and practice of administering public and community health organizations and programs at federal, state, and local levels. Constitutional, statutory and administrative bases for organizing and conducting public/community health programs will be discussed.

Prerequisites: A major in the BSHS Health Services Administration program, BS in Public Health program, or minor in Community Health

HLSC 461/561 Managerial Epidemiology (3 Credit Hours)

This course will blend theory and application of epidemiology. This course will also provide a comprehensive introduction to epidemiology and explain how to use epidemiological concepts and tools to improve decisions about the management of health services.

Prerequisites: STAT 130M and a declared major in the BSHS Health Services Administration program or approval of the program director

HLSC 465/565 Policy and Politics of Health (3 Credit Hours)

This course will explore both health policy and the politics of health. Students will develop an understanding of the systematic and analytical framework for developing health and health care policy issues.

Prerequisites: A major in the BSHS Health Services Administration program or minor in Community Health

HLSC 468 Internship (1-3 Credit Hours)

The internship will allow a student new to the Bachelor of Science in Health Science degree program to complete a capstone internship to gain entry skills for a beginning career pathway in the profession. The course is intended to provide clinical field experience and assimilation of the theoretical aspects learned in the coursework in a practical/work setting. A minimum of 120 hours is required for the 3-credit internship.

Prerequisites: Declared major in BSHS, senior standing, and permission of the instructor

HLSC 475/575 Healthcare Marketing (3 Credit Hours)

This course provides a basic understanding of marketing in a health care setting. It will cover the following: the history of marketing in a health care setting, health care markets, marketing techniques, and leadership skills in managing and supporting the marketing efforts.

Prerequisites: A major in BSHS Health Services Administration or BS in Public Health

HLSC 480/580 Health Ethics and the Law (3 Credit Hours)

This course provides the students with a basic knowledge of health law and examines legal issues confronting health services administrators in various health care environments.

Prerequisites: A declared major in the BSHS Health Services Administration program

HLSC 483/583 Artificial Intelligence Applications in Health (3 Credit Hours)

This course offers an exploration of how artificial intelligence (AI) is transforming healthcare delivery and improving patient outcomes. Building on foundational knowledge from AI Ethics and Policy and AI Methods and Models, students will dive deeper into the integration of AI in clinical and operational contexts. Key topics include the role of AI in diagnostics and personalized medicine and other AI implementations in healthcare.

Prerequisites: Permission of instructor

HLSC 485/585 Health Informatics (3 Credit Hours)

This course focuses on healthcare informatics (information systems) and applications in health care organizations. It provides an overview of health information system concepts, management, and integration of technology in healthcare organizations as applicable to the majors in Health Sciences.

Prerequisites: Declared BSHS major

HLSC 495/595 Topics in Public/Community Health Administration (1-3 Credit Hours)

This course provides the opportunity for the study of selected topics in public/community health under the supervision of a faculty member.

Prerequisites: Permission of the instructor

HLSC 498 Directed Research in Health Sciences (1-6 Credit Hours)

Supervised research on a specific problem in health sciences. Regular meetings with faculty and a written/oral report are required.

Prerequisites: Permission of the instructor

Recreational Therapy (RT)**RT 210 Leisure, Health, and Wellness (3 Credit Hours)**

This course focuses on the concept of leisure and its impact on health and wellness for individuals and groups. Fundamental principles, philosophies, and theories of leisure, health, and wellness are emphasized. Leisure's relationships with physical, cognitive, social, emotional, and spiritual growth, human satisfaction, and quality of life are explored. Leisure's influence on challenges to wellness experienced by diverse populations (e.g., individuals with disabilities, older adults, racial and ethnic groups, individuals identifying as LGBTQIA+) is examined. Strategies for protecting and promoting health through leisure are integrated throughout the course.

Pre- or corequisite: RT 261

RT 261 Foundations of Recreational Therapy Practice (3 Credit Hours)

This course is designed to be an introduction to the historical and conceptual roots of recreational therapy. Content includes recreational therapy service delivery models, legislation, professional organizations, places of practice, ethical conduct, and credentialing procedures.

RT 290 Professional Preparation in Recreational Therapy (3 Credit Hours)

This course is designed to facilitate personal exploration and professional preparation for careers in recreational therapy. Topics include professional ethics, professional involvement, professional behaviors & responsibilities, and career preparation. On-site observation of recreational therapists in practice settings is required.

Prerequisites: RT 261 with a minimum grade of C- and recreational therapy major

RT 366 Internship Preparation (1 Credit Hour)

This course is designed to provide students with the skills and knowledge required to successfully acquire an internship placement in recreational therapy. Emphasis will be placed on resume and cover letters, internship search strategies, interviewing skills, and internship documentation requirements. Students are required to become familiar with all documentation requirements in the Recreational Therapy Internship Manual, and successfully secure an internship for the following semester.

Prerequisites: RT 261 with a minimum grade of C-, senior standing, and a recreational therapy major

RT 368 Junior Internship (3 Credit Hours)

This course requires a 200-hour junior internship experience at an approved health and human service agency in which students are involved with ongoing recreational therapy programs. Students are expected to observe and assist recreational therapy staff during this field experience. Students must be supervised by a Certified Therapeutic Recreation Specialist (CTRS) working for the agency.

Prerequisites: Junior standing, RT 261 with a minimum grade of C-, RT 290, RT 420, RT 450, and a declared recreational therapy major

RT 420 Intervention Techniques in Recreational Therapy (4 Credit Hours)

This course is designed to introduce students to a wide variety of Recreational Therapy interventions. Students will explore physical, cognitive, and psychosocial interventions. Facilitation techniques, activity modification, and group facilitation will be explored. Students will connect diagnostic groups to specific Recreational Therapy interventions. Students will facilitate group recreational therapy interventions during lab.

Prerequisites: RT 261 with a minimum grade of C-, recreational therapy major or minor, junior or senior standing, and a declared major in the university

RT 430 Assessment, Documentation, and Evaluation in Recreational Therapy (3 Credit Hours)

This course will provide students with a detailed examination of assessment, documentation, and evaluation procedures used in the recreation therapy treatment process. Course focus includes the assessment and documentation process, including instrument design, selection, and implementation, and the reporting and use of data for treatment planning and program evaluation.

Prerequisites: RT 261 with a minimum grade of C-, recreational therapy major or minor, junior or senior standing, and a declared major in the university

RT 450 Diagnostic Groups in Recreational Therapy (3 Credit Hours)

This course is designed to introduce students to a variety of disabilities, illnesses, and health conditions recreational therapists may encounter in practice. The prevalence, etiology, diagnostic criteria, pathology, symptomatology, and prognosis of various conditions is presented, and the bio-psycho-social impact of the illness/disability on the individual and family is discussed. Emphasis is placed on the delivery of recreational therapy services for individuals with illnesses/disabilities and related populations.

Prerequisites: RT 261 with a minimum grade of C-, recreational therapy major or minor, junior or senior standing, and a declared major in the university

RT 460 Administration of Recreational Therapy Services (3 Credit Hours)

This course explores the basic principles of organizing and managing quality recreational therapy services. Content includes supervisory and administrative responsibilities, budgeting, managing personnel including student interns and volunteers, developing a clinical supervision program, marketing recreational therapy services, and developing a recreational therapy department based on professional standards of practice and recreational therapy models of service delivery.

Prerequisites: RT 261 with a minimum grade of C-, recreational therapy major or minor, junior or senior standing, and a declared major in the university

RT 468 Senior Internship (12 Credit Hours)

This capstone course requires a 560-hour and 14-week senior internship experience at an approved health and human service agency practicing recreational therapy. Students will apply academic learning and will demonstrate competencies associated with entry-level practice in recreational therapy. The student's academic and agency direct supervisors must be Certified Therapeutic Recreation Specialists.

Prerequisites: Senior standing and permission of instructor

RT 470 Recreational Therapy Program Design and Implementation (3 Credit Hours)

This skill-based course is designed to further students' practical understanding of client-centered recreational therapy program design and implementation using evidence-based strategies, techniques, and interventions. Emphasis is placed on the purpose, roles, and outcomes of recreational therapy service delivery in healthcare and community settings. Topics include assessment, recreational therapy practice models, specific program planning, task analysis, facilitation techniques, implementation of evidence-based interventions, documentation, and evaluation of services as well as interprofessional practice. Field-based application of course concepts is required.

Prerequisites: RT 261 with a minimum grade of C-, recreational therapy major or minor, junior or senior standing, and a declared major in the university

Pre- or corequisite: RT 420 and RT 450

Corequisites: RT 480W

RT 480W Evidence-Based Practice and Trends in Recreational Therapy (3 Credit Hours)

This course provides an overview of evidence-based practice and related disciplinary writing in recreational therapy contexts. Through exploration of current trends and issues in the field of therapeutic recreation and a writing intensive approach, students develop skills in evaluating and interpreting research and applying applicable findings through evidence-based practice, service to the field, and professional advocacy. This is a writing intensive course.

Prerequisites: ENGL 211C or ENGL 231C; RT 261 with a minimum grade of C-, recreational therapy major or minor, junior or senior standing, and a declared major in the university

Pre- or corequisite: RT 420 and RT 450

Corequisites: RT 470

RT 497 Independent Study (1-3 Credit Hours)

Individualized instruction to include research, specialized studies, or other scholarly writing.

Prerequisites: Declared recreational therapy major and permission of instructor

RT 498 Directed Research in Recreational Therapy (1-6 Credit Hours)

Supervised research on a specific problem in recreational therapy. Regular meetings with faculty and a written/oral report are required.

Prerequisites: Instructor approval required