
bulletin of
Duke University
2001-2002

School of Nursing



The Mission of Duke University

The founding Indenture of Duke University directed the members of the university to "develop our resources, increase our wisdom, and promote human happiness."

To these ends, the mission of Duke University is to provide a superior liberal education to undergraduate students, attending not only to their intellectual growth but also to their development as adults committed to high ethical standards and full participation as leaders in their communities; to prepare future members of the learned professions for lives of skilled and ethical service by providing excellent graduate and professional education; to advance the frontiers of knowledge and contribute boldly to the international community of scholarship; to foster health and well-being through medical research and patient care; and to promote a sincere spirit of tolerance, a sense of the obligations and rewards of citizenship, and a commitment to learning, freedom, and truth.

By pursuing these objectives with vision and integrity, Duke University seeks to engage the mind, elevate the spirit, and stimulate the best effort of all who are associated with the university; to contribute in diverse ways to the local community, the state, the nation, and the world; and to attain and maintain a place of real leadership in all that we do.

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The information in this bulletin applies to the academic year 2001-2002 and is accurate and current, to the extent possible, as of March 2001. The university reserves the right to change programs of study, academic requirements, teaching staff, the calendar, and other matters described herein without prior notice, in accordance with established procedures.

Duke University does not discriminate on the basis of race, color, national and ethnic origin, disability, sexual orientation or preference, gender, or age in the administration of educational policies, admission policies, financial aid, employment, or any other university program or activity. It admits qualified students to all the rights, privileges, programs, and activities generally accorded or made available to students. The university also does not tolerate harassment of any kind.

Questions, comments or complaints of discrimination or harassment should be directed to the Office of the Vice-President for Institutional Equity, (919) 684-8222. Further information, as well as the complete text of the harassment policy, may be found at <http://www.duke.edu/web/equity/>.

Duke University recognizes and utilizes electronic mail as a medium for official communications. The university provides all students with e-mail accounts as well as access to e-mail services from public clusters if students do not have personal computers of their own. All students are expected to access their e-mail accounts on a regular basis to check for and respond as necessary to such communications, just as they currently do with paper/ postal service mail.

Information that the university is required to make available under the Student Right to Know and Campus Security Acts may be obtained from the Office of University Relations at 684-2823 or in writing to 615 Chapel Drive, Box 90563, Duke University, Durham, North Carolina 27708.

Duke University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; telephone number 404-679-4501) to award baccalaureates, masters, doctorates, and professional degrees.

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Duke University School of Nursing
DUMC 3322
Durham, NC 27710
919-684-3786
<http://www.nursing.duke.edu>



Our goal at the Duke University School of Nursing is to provide leadership in the health care of people. Since the foundation of the school in 1930, Duke has prepared outstanding clinicians, educators, and researchers. We are continuing that tradition. Drawing on the unparalleled intellectual and clinical resources of both Duke University Medical Center and Duke University, we offer a Master of Science in Nursing that balances education, practice, and research. Faculty work closely with students to challenge and nurture them; students not only practice with state-of-the-art science and technology in a great medical center, they also have opportunities to work in rural and under-served areas. The program prepares nurses with advanced training in the areas of greatest need for tomorrow. At Duke, we are developing nursing leaders for the future.

Duke School of Nursing

Academic Calendar 2001

Spring 2001

January	
	8 Monday, 8:30 a.m. New student orientation
	10 Wednesday, 8:00 a.m. Spring semester classes begin
	24 Wednesday, Drop/Add ends
March	
	9 Friday, Spring recess begins
	19 Monday, Classes resume
	28 Wednesday, Registration begins for Fall and Summer semesters 2001
April	
	13 Friday, Registration ends for Fall semester 2001; Summer 2001 registration continues: Drop/Add begins
	25 Wednesday, 7:00 p.m. Spring semester classes end
	30 Monday, Final examinations begin
May	
	4 Friday, Final examinations end
	11 Friday, Commencement begins
	12 Saturday, School of Nursing Hooding and Recognition Ceremony
	13 Sunday, Graduation exercises; conferring of degrees

Summer 2001

May	
	17 Thursday, Summer classes begin
	30 Wednesday, Drop/Add ends
July	
	4 Wednesday, Fourth of July Holiday, no classes
August	
	8 Wednesday, Summer semester classes end
	11 Friday, Summer semester examinations end

Fall 2001

August	
	22 Wednesday, New student orientation
	23 Thursday, Computer camp for new students; Convocation for graduate and professional students
	27 Monday, 8 a.m. Fall semester classes begin
September	
	3 Monday, Labor Day – no classes
	7 Friday, Drop/Add ends
October	
	7 Sunday, Founders' Day
	12 Friday, 7:00 p.m. Fall break begins
	17 Wednesday, 8:00 a.m. Classes resume
	24 Wednesday, Registration begins for Spring Semester 2002
November	
	16 Friday, Registration ends for Spring Semester 2002
	17 Saturday, Drop/Add begins
	21 Wednesday, 12:40 p/m/ Thanksgiving recess begins
	26 Monday, 8:00 a.m. Classes resume
December	
	6 Thursday, 7:00 p.m. Classes end

10 Monday, Final examinations begin
14 Friday, Final examinations end

Spring 2002

January

7 Monday, New student orientation.
8 Tuesday, Computer camp for new students; Convocation for graduate and professional students
9 Wednesday, 8:00 a.m. Spring Semester begins.
21 Monday, Martin Luther King's Birthday – Holiday – no classes
23 Wednesday, Drop/Add end

March

8 Friday, 7:00 p.m. Spring recess begins
18 Monday, 8:00 a.m. Classes resume
27 Wednesday, Registration begins for Fall Semester, 2002, and Summer 2002

April

12 Friday, Registration ends for Fall Semester, 2002; Summer 2002 registration continues
19 Friday, 7:00 p.m. Classes end
29 Monday, Final examinations begin

May

4 Saturday, 10:00 p.m. Final examinations end
10 Friday, Commencement begins
11 Saturday, School of Nursing Hooding and Recognition Ceremony, 7:00 pm
12 Sunday, Graduation exercises; conferring of degrees

Refer to website for up-to-date calendar information:

<http://www.nursing.duke.edu>

University Administration

GENERAL ADMINISTRATION

Nannerl Overholser Keohane, Ph.D., *President*
Peter Lange, Ph.D., *Provost*
Ralph Snyderman, M.D., *Chancellor for Health Affairs and Executive Dean, School of Medicine*
Tallman Trask III, M.B.A., Ph.D., *Executive Vice-President*
John F. Burness, A.B., *Senior Vice-President for Public Affairs and Government Relations*
John J. Piva, Jr., B.A., *Senior Vice-President for Alumni Affairs and Development*
R. James Clack, Ph.D., *Interim Vice-President for Student Affairs*
H. Clint Davidson, Jr., M.B.A., *Vice-President for Human Resources*
Sally M. Dickson, J.D., *Vice-President for Institutional Equity*
Thruston B. Morton III, B.A., *President of Duke Management Company*
Robert S. Shepard, Ph.D., *Vice-President for University Development*
N. Allison Haltom, A.B., *Vice-President and University Secretary*
David B. Adcock, J.D., *University Counsel*
William J. Donelan, M.S., *Vice-Chancellor for Health Affairs and Executive Vice-President, Duke University Health System*
Russel E. Kaufman, M.D., *Vice-Dean for Education, School of Medicine*
Michael D. Israel, M.P.H., *Vice-President and Chief of Hospital and Clinical Facilities and Chief Executive Officer, Duke University Hospital*
Steven A. Rum, M.S., *Vice-Chancellor for Development and Alumni Affairs*
Jean Gaillard Spaulding, M.D., *Vice-Chancellor for Health Affairs*
R. C. "Bucky" Waters, M.A., *Vice-Chancellor for Special Projects*
Gordon D. Williams, B.A., *Vice-Chancellor for Medical Center Operations and Vice-Dean for Administration and Finance, School of Medicine*
William H. Willimon, S.T.D., *Dean of the Chapel*
Joseph L. Alleva, M.B.A., *Director of Athletics*

Medical Center and Health System Administration

Ralph Snyderman, M.D., *Chancellor for Health Affairs, Executive Dean of the School of Medicine and Allied Health, and President and Chief Executive Officer, Duke University Health System*
William J. Donelan, M.S., *Vice-Chancellor and Chief Financial Officer, Medical Center Administration*
Russel Kaufman, MD, *Vice Dean for Education and Academic Affairs*
Steven Rum, *Vice Chancellor for Medical Center Development and Alumni Affairs*
Vicki Y. Saito, B.F.A., *Assistant Vice-Chancellor for Health Affairs, Communications*
Jean G. Spaulding, M.D., *Vice-Chancellor for Health Affairs*

School Of Nursing Administration

Mary T. Champagne, R.N., Ph.D., *Dean*
Barbara S. Turner, R.N., D.N.Sc., *Associate Dean, Director of Nursing Research and Division Chief, Pediatrics and Acute Care*
Terris Kennedy, R.N., Ph.D., *Associate Dean for Academic Affairs*
C. Eileen Watts Welch, M.B.A., *Assistant Dean for Development*
W. C. Budzinski, M.B.A., *Assistant Dean for Finance*
Randi L. Davenport, Ph.D., *Special Assistant to the Dean*
Linda K. Goodwin, Ph.D., *Division Chief, Health Systems Leadership & Outcomes & Primary Care*
Donna Hewitt, R.N., M.N., *Director of Special Projects*
Nancy Short, R.N., M.B.A., *Robert Wood Johnson Distance Education Coordinator*
Susan Epstein, M.P.H., *Division Chief, Community Health*
Wayne T. Thompson, M.S.W., *Director, Office of Admissions and Student Services*
Izy Obi, B.A., *Clinical Site Placement Coordinator*

School Of Nursing Faculty

Anthony J. Adinolfi, R.N., M.S.N., A.N.P., Duke University, 1993, *Assistant Clinical Professor*
Ruth A. Anderson, R.N., Ph.D., University of Texas at Austin, 1987, *Associate Professor*
Jane Blood-Siegfried, R.N., D.N.S., P.N.P., University of California at Los Angeles, 1995, *Assistant Professor*
Maryann Bozzette, R.N., Ph.D., University of Washington, 1997, *Assistant Professor*
Margaret Bowers, R.N., M.S.N., F.N.P. Duke University, 1990, *Assistant Clinical Professor*
Wanda T. Bradshaw, R.N., M.S.N., P.N.P., N.N.P., Duke University, 1996, *Assistant Clinical Professor*
Debra Brandon, R.N., Ph.D., University of North Carolina at Chapel Hill, 2000, *Assistant Clinical Professor*

Judith W. Cameron, R.N., Ph.D., P.N.P., University of Michigan, 1994, *Assistant Professor*
 Mary T. Champagne, R.N., Ph.D., University of Texas at Austin, 1981, *Dean, Associate Professor*
 Dennis J. Cheek, R.N., Ph.D., University of Nevada (Reno), 1996, *Assistant Professor*
 Elizabeth Clipp, R.N., Ph.D., Cornell University, 1984, *Professor*
 William T. Coombs, Ph.D., University of Florida, 1992, *Associate Professor*
 Susan Denman, R.N., Ph.D., F.N.P., *University of North Carolina at Chapel Hill, 1996, Assistant Professor*
 Anthony T. Dren, Ph.D., University of Michigan, 1966, *Consulting Professor*
 Bonnie J. Friedman, R.N., Ph.D., F.N.P., University of North Carolina at Chapel Hill, 1990, *Associate Clinical Professor*
 Linda K. Goodwin, R.N., Ph.D., University of Kansas, 1992, *Division Chief and Assistant Professor*
 Karol S. Harshaw-Ellis, R.N., M.S.N., A.N.P., Duke University, 1994, *Assistant Clinical Professor*
 Donna W. Hewitt, R.N., M.N., University of South Carolina, 1972, *Assistant Clinical Professor*
 Mary C. Karlet, R.N., Ph.D., C.R.N.A., Wayne State University, 1992, *Assistant Clinical Professor*
 Terris Kennedy, R.N., Ph.D., *Associate Dean for Academic Affairs and Assistant Professor*
 Sherry S. Linbeck, R.N., M.S.N., P.N.P., Indiana University, 1986, *Assistant Clinical Professor*
 Marcia S. Lorimer, R.N., M.S.N., P.N.P., University of Virginia, 1988, *Assistant Clinical Professor*
 Eleanor McConnell, R.N., Ph.D., University of North Carolina at Chapel Hill, 1995, *Assistant Research Professor*
 Judith A. McFetridge, R.N., Ph.D., University of Florida, 1991, *Assistant Professor*
 Sally C. Messick, R.N., M.S., F.N.P., University of North Carolina at Chapel Hill, 1973, *Assistant Clinical Professor*
 Brenda M. Nevidjon, R.N., M.S.N., University of North Carolina at Chapel Hill, 1978, *Associate Clinical Professor*
 Ruth M. Ouimette, R.N., M.S.N., A.N.P., Yale University, 1975, *Assistant Clinical Professor*
 Susan M. Pietrangelo-Brown, R.N., M.S.N., F.N.P., Case Western Reserve University, 1995, *Assistant Clinical Professor*
 Marva M. Price, R.N., Dr.P.H., F.N.P., University of North Carolina at Chapel Hill, 1994, *Assistant Clinical Professor*
 Susan Schneider, R.N., Ph.D., Case Western Reserve University, 1998, *Assistant Professor*
 James Temo, R.N., M.B.A., M.S.N., C.R.N.A., Medical College of Georgia, 1981, *Assistant Clinical Professor*
 Barbara S. Turner, R.N., D.N.Sc., University of California at San Francisco, 1984, *Associate Dean, Director of Nursing Research and Division Chief, Associate Professor*
 George H. Turner, III, M.A., R.Ph., Webster University, 1978, *Assistant Clinical Professor*

Faculty Appointments

Associate Professors Emeritus of Nursing: Brundage, Dorothy J., R.N., Ph.D.; McIntire, Sue Norville, R.N., Ed.D.; Oehler, Jerri Moser, R.N., Ph.D.

Adjunct Professors: Iams, Samuel Gregory, Ph.D.; Ray, Richard Hallett, Ph.D.; Zelman, William N., Ph.D.

Adjunct Associate Professors: Andrews, Alta Whaley, R.N., D.Ph.; Lawler, Therese Gilda, R.N., Ed.D.; Neelon, Virginia Johnston, R.N., Ph.D.

Adjunct Assistant Professors: Bearon, Lucille B., R.N., Ph.D.; Bergstrom, Linda Ann, R.N., C.N.M., Ph.D.; Drees, Nellie Schmidt, R.N., D.N.Sc.; Heinan, Michelle Lynn, R.N., M.P.H.; Herman, Suzanne Bower, R.N., M.S.N.; Moss, Nancy Evans, R.N., Ph.D.; Wallsten, Sharon May, R.N., Ph.D.

Clinical Associates: Abernathy, Elizabeth Jane, R.N., M.S.N.; Alberts, Billie Ross, R.N., M.S.N.; Alston, Sylvia McLean, R.N., M.B.A.; Archer, Lisa Lee, R.N., M.S.N.; Avent, Susan West, R.N., M.S.N.; Beard, Mindy Schramm, R.N., M.S.N.; Blivin, Janye Laird, R.N., M.S.N.; Blue, Laura Jane, R.N., M.S.N.; Breisch, Alyson J., R.N., M.S.N.; Brumbaugh, Heather Lynn, R.N., M.S.N.; Burke, Syvill Summers, R.N., M.S.N.; Buschbach, Deanne, R.N., M.S.N.; Capewell, Ursula Hertis, R.N., M.S.N.; Crouch, Mary Ann, R.N., M.S.N.; Davis, Ellen Durham, R.N., M.S.N.; Edwards, Pamela Balance, R.N., Ed.D.; Frey, Michelle Ann, R.N., M.S.; Gabert, Helen Laurel, R.N., M.P.H.; Gosselin, Tracy Karen, R.N., M.S.N.; Harmon, James Lester, R.N., M.S.N.; Harwood, Kerry VanSloten, R.N., M.S.N.; Hixon, Mary Elizabeth, R.N., M.S.N.; Hood, Linda Edwards, R.N., M.S.N.; Jasion, Berit Seeman, R.N., M.S.N.; Jones, Mary Louise Helfrich, R.N., Ph.D.; Kistler, Laura Jean, R.N., M.S.N.; Krueger, Janice Clark, R.N., M.S.N.; Labelle, Virginia Sullivan, R.N., B.S.; Lawrence, Cindy McDaniel, R.N., M.S.N.; Lekan-Rutledge, Deborah Ann, R.N., M.S.N.; Lekavich, Carolyn Louise, R.N., M.S.N.; Mahaffey, Wendy J., R.N., M.S.N.; Mangum, Amy Yancy, R.N., M.S.N.; Martel, Lisa Ann, R.N., M.S.N.; McCulloh, Marie H., R.N., M.S.N.; McLean, Susan Ruddle, R.N., M.S.N.; Meanor, Pana Martin, R.N., M.S.N.; Meghdadpour, Susanne, R.N., P.N.P., M.S.N.; Meyer, Mary Ann Theresa Totin, R.N., A.N.P.; Minnich, Louise Ann, R.N., M.S.N.; Montgomery, Debra Ann, R.N., M.S.N.; Murray, Janis Ann, R.N., M.S.N.; Nicollerat, Janet Anne, R.N., M.S.N.; Parker, Wanda Gale, R.N., M.S.N.; Ross, Judy Ann, R.N., M.S.N.; Sowers, Kevin Ward, R.N., M.S.N.; Spurney, Yvonne Rhode, R.N., M.S.N.; Steele, Pamela Hope, R.N., M.S.N.; Tart, Julie Spivey, R.N., M.S.N.;

Taylor, Catherine Striplin, R.N., M.S.N.; Taylor, Martha Croll, R.N., M.S.N.; Weber, Rita Anne, R.N., M.S.N.; Wightman, Marilyn Beth, R.N., M.S.N.; Willis, Christine Lynette, R.N., M.S.N.

Consulting Associates: Adcock, Gale Brown, R.N., M.S.N.; Austin, M. Saralyn, R.N., M.S.N.; Baldwin, Mary Lee Richardson, R.N., M.P.H.; Barnes, Gretchen Lorena, R.N., M.S.N.; Batchelor, Cheryl Banks, R.N., M.S.N.; Betts, Wilmer Conrad, R.N., B.S.; Borton, Jennifer Byrd, R.N., M.S.N.; Boyette, Wanda Lou, R.N., M.B.A.; Brooks, Sylvia Mebane, R.N., M.S.N.; Butts, Jimmie Kennedy, R.N., C.S., F.N.P.; Bye, Margaret Gorely, R.N., Ed.D.; Clark, Kathryn G, R.N., M.S.N.; Cleary, Brenda Lewis, R.N., Ph.D.; Dale, Angela Maria, R.N., M.H.A.; Dickey, Mary Buse, R.N., M.Ed.; Dodge, Robert Thomas, R.N., M.S.N.; Ellington, Linda Brewer, R.N., M.S.N.; Emens, Catherine S., R.N., M.S.N.; Enrico-Bailey, Shirley, R.N., M.S.; Erdman, Lynn Kendrick, R.N., M.N.; Exner, Linda Cole, R.N., M.S.N.; Faircloth, Margaret Hopper, R.N., M.P.H.; Frank, Ruth S., R.N., M.S.N.; Galkowski, James Michael, R.N., M.H.A.; Garg, Shyam L., R.N., M.B.B.S.; Garland, Hettie Lou, R.N., M.P.H.; Greene, Amanda L., R.N., M.S.H.; Harris, Norma Louise, R.N., M.S.H.; Hill, Dawn Craig, R.N., M.S.; Huechtker, Edward Darrell, R.N., M.P.H.; Hylwa, Elaine Gail, R.N., M.S.N.; Jacques, Rita Cecilia, R.N., M.N.; Jones, Penny, R.N., M.S.N.; Kellum, Sally Smither, R.N., M.S.N.; Lambe, Camille Eckerd, R.N., M.S.N.; Lowery, Bobby D., R.N., M.S.N.; Malone, Eileen B., R.N., M.S.N.; McChesney, Andrea Wilkes, R.N., M.S.N.; McCully, Mildred Fleming, R.N., M.S.N.; Mead, Charles N., M.D.; Moore, Jacqueling Mary, R.N., Ph.D.; Pemberton, Flora Galloway, R.N., M.A.; Priddy, Margaret Morgan, R.N., M.S.N.; Reid, Teri Marla, R.N., M.S.N.; Sanford, Christine Chiarmonte, R.N., M.S.N.; Satinsky, Marjorie Ann, R.N., M.B.A.; Scott, Constance Laverne, R.N., M.S.N.; Snow, Teena Lucille, R.N., M.S.N.; Strickland, Rosemary Cattle, R.N., M.S.N.; Sullivan, Gwynn Barnhardt, R.N., M.S.N.; Touger, Gale Nadine, R.N., B.S.; Trapp-Moen, Barbara Lee, R.N., M.S.N.; Trotter, Kathy Rust, R.N., M.S.N.; Vanek, Cynthia Wilkinson, R.N., M.S.N.; Waddell-Schultz, Mary Gwendol, R.N., M.S.N.; Wallace, Linda Faye McC., RN, M.Ed.; Warsaw, Janette Ernestine, R.N., M.S.N.; Williams, Jimmie Ray, R.N., Ed.D.; Wilson, Sonja M., R.N., Ed.D.; Winn, Francis John, R.N., Ph.D.; Yates, Stephanie Sears, R.N., M.S.N.

Nursing Practice Instructors: Alton, Michael, R.N., M.S.N.; Armstrong, Linda, R.N., M.S.N.; Cook, Helen, R.N., M.S.N.; Cress, Martha, R.N., B.S.N.; Ellington, Angela, R.N., M.S.N.; Newman, Margaret, R.N., M.S.N.

General Information



Duke University

In 1839, a group of citizens from Randolph and adjacent counties in North Carolina assembled in a log schoolhouse to organize support for a local academy founded a few months earlier by Brantley York. Prompted, they said, by "no small share of philanthropy and patriotism," they espoused their belief that "ignorance and error are the banes not only of religious but also civil society which rear up an almost impregnable wall between man and happiness." The Union Institute, which they then founded, was reorganized in 1851 as Normal College to train teachers and eight years later as Trinity College, a liberal arts college. Trinity College later moved to Durham and, with the establishment of the James B. Duke Indenture of Trust in 1924, became Duke University. An original statement of the Board of Trustees of Trinity College concerning the establishment of Duke University provided clear direction about the size and purpose of the university. This statement was as follows: "This University in all its departments will be concerned about excellence rather than size; it will aim at quality rather than numbers -- quality of those who teach and quality of those who learn." This belief continues to guide admission decisions for students and employment practices for faculty.

Today, Duke University has over 10,500 students, of whom 4,500 are enrolled in the graduate and professional programs. These students represent nearly every state and many foreign countries; Duke has alumni in all fifty states and in many foreign countries.

Duke University Medical Center

In 1930, the bequests of James Buchanan Duke provided for the opening of the School of Medicine and the School of Nursing. One of the primary motivations in establishing the Endowment was the improvement of health care in the Carolinas and across the country. At a time when medicine in the Carolinas was still a cottage industry, Duke dared to dream of creating what he hoped would become one of the leading medical institutions in the nation.

By the time the new medical school and hospital opened in 1930 and the first nursing students were admitted in 1931, this dream was already well on its way to becoming reality. Recognizing its responsibility for providing quality care to the people of the Carolinas, Duke opened the first major outpatient clinics in the region in 1930. The Private Diagnostic Clinic not only provided coordinated medical and surgical care to private patients with moderate incomes but also allowed members of the medical faculty to contribute a portion of their earnings toward the continued excellence of medicine at Duke.



Representing the continuing fulfillment of the dream of James Buchanan Duke, Duke University Medical Center has grown and expanded over the years. In keeping with its heritage, it seeks to provide socially relevant education, research, and patient care and is expressly committed to the search for solutions to regional and national health care problems.

The Duke School Of Nursing

In support of James Duke's original vision, the School of Nursing has maintained a commitment to achieving excellence. Since the first nursing students were admitted to a three-year diploma program in 1931, the school remains on the forefront of nursing education, practice and research. Historically, the school has been a healthcare leader by first awarding baccalaureate degrees in 1938, establishing the bachelor of nursing degree in 1953 and beginning one of the first nursing graduate programs in 1958.

Today, while offering the master of science degree and the post-master's certificate, the School of Nursing remains a national leader in nursing education. Through innovative teaching strategies, the incorporation of advanced technology, and collegial faculty-to-student relationships, the school remains dedicated to improving access to care, providing high quality cost-effective care, and preparing healthcare leaders for today and tomorrow.

The Duke School of Nursing is accredited by the National League for Nursing and the Commission on Collegiate Nursing Education.

Educational Resources

The Duke Nursing Research Center. Established in 1995, the nursing research center is a joint enterprise of Duke University School of Nursing and the Duke University Health System. With the belief that the profession of nursing advances from creative critical thinking; theoretical innovation; and thoughtful evidence-based clinical practice, the NRC's mission is to facilitate the conduct of nursing research through the provision of methodological and statistical consultation, assistance with preparation of proposals for external funding, preparation of Internal Review Board (IRB) materials, and, in selected instances, assistance with implementation of research protocols, including data management, entry, and statistical analyses.

The Center for Instructional Technology and Distance Learning. The Duke University School of Nursing's Center for Instructional Technology & Distance Learning is committed to creating the best use of technology to enhance learning and performance potential of students, staff and faculty. The Center provides leadership, support, and development to integrate and promote the use of instructional and computer technology. With the belief that technology is an enabler to promote active learning and provide the tools for excellence in research and academic achievement, the Center seeks to discover the methodologies that bring the academic and research environment to new levels of efficiency and strength.

Duke Centers. Nationally recognized centers include the Duke Heart Center, the Center for Living, the Center for Human Genomics, the Center for Clinical Effectiveness, the Center for Aging and Human Development, the Comprehensive Cancer Center, the Comprehensive Sickle Cell Center, Alzheimer's Disease Research Center, Duke Hypertension Center, Duke-VA Center for Cerebrovascular Research, Geriatric Research Education and Clinical Center, AIDS Research and Treatment Center, General Clinical Research Center, Cystic Fibrosis Center, Sleep Disorders Center, the Eye Center, the Institute for Care at the End of Life and the Neonatal Perinatal Research Institute.

Division of Community Health. The Division of Community Health is a joint venture between the School of Nursing and the Department of Community and Family Medicine. Initiated in July 1996, the Division's purpose is to broaden the scope of primary care— through service, education, and, occasionally, applied research programs. Programs of particular interest are community-based and collaborative, and create partnerships between Duke and surrounding communities, between Duke and other academic health centers and hospitals, and between departments at Duke. The Division facilitates the development and testing of innovative primary care ideas and plans, seeks the support necessary for the implementation of those ideas and plans, and finally, moves operational programs to their appropriate organizational homes.

Women's Studies. The women's studies program is a multidisciplinary forum for the study of women's roles and gender differences in various societies, past and present. Established in 1982, it offers courses, lectures, films, programs, and research support and brings together faculty and students from all fields who are concerned with both the theoretical questions stemming from the study of gender as well as the implications of such investigations for women and men in contemporary societies. The program offers certificates, as well as a variety of other opportunities. Students in the School of Nursing have the opportunity to pursue a graduate certificate in women's studies.

Neighboring Universities. Through a reciprocal agreement, Duke students may supplement their education by taking courses at the University of North Carolina in Chapel Hill, North Carolina State University in Raleigh, and North Carolina Central University in Durham. Graduate students of Duke University and the University of North Carolina at Chapel Hill are granted library loan privileges in both universities.

Libraries

The libraries at Duke consist of the William R. Perkins Library and its seven branches on campus: Biological and Environmental Sciences, Chemistry, Lilly, Engineering, Music, Mathematics-Physics, Rare Book, Manuscript & Special Collections; the Pearse Memorial Library at the Duke Marine Laboratory in Beaufort; and the independently administered libraries of Divinity, Law, Medicine, and Business (Fuqua).

The Medical Center Library. The Duke University Medical Center Library (DUMCL), located adjacent to Duke Hospital in the Seely G. Mudd Buidling, supports Duke University Medical Center's patient care, teaching, and research activities by providing its users with consistent and efficient access to timely, relevant biomedical information. The Medical Center Library maintains a robust online presence to extend access to library resources and services beyond its physical location and to help foster the development of effective health care solutions.

DUMCL Online provides access to locally created and licensed databases, electronic books and journals, and online learning and reference tools. A gateway to the Library's services and print and non-print collections, it also includes information about the Library's facilities and staff.

Duke is also home to numerous other library collections and resources.

Clinical Facilities

Duke Medical Center/Health System. Duke University Health System is a world-class health care network dedicated to providing outstanding patient care, educating tomorrow's health care leaders, and discovering new and better ways to treat disease through biomedical research. Patients are offered brilliant medicine and thoughtful care through a complete continuum of health services, from primary care to hospice.

Duke University Medical Center/Hospital— the hub of the health system is consistently ranked among the top ten health care organizations in the country. The youngest of the nation's leading medical centers, Duke has earned an international reputation for innovation and excellence. With hundreds of board-certified specialists and subspecialists, Duke can provide expertise in every health care discipline. Duke operates one of the country's largest clinical and biomedical research enterprises, and quickly translates advances in technology and medical knowledge into improved patient care.

In addition to Duke University Hospital, a full-service tertiary and quaternary care hospital with 1,124 beds, the Health System also includes two well respected community hospitals. Durham Regional Hospital is a 335-bed acute care community hospital that has a 125 year tradition of caring for the residents of Durham and surrounding counties and Raleigh Community Hospital, a 218 bed acute care hospital that treats patients from newborn babies to more mature patients at the Senior Health Center. Additionally, the Health System host's primary and specialty care clinics, home care, hospice, skilled nursing care, wellness centers, Lincoln Community Health Clinic and community-based clinical partnerships.

Veterans Affairs Medical Center. The Durham Veterans Administration Medical Center (VAMC) is a 382 bed tertiary care and 120-bed long-term care teaching and referral facility. Located in Durham, North Carolina, the 10-story hospital includes research, education and ambulatory care services. The hospital is within walking distance from the School of Nursing.

Other Hospitals and Clinical Facilities. Various cooperative teaching and clinical arrangements are available to students at other clinical facilities. The School of Nursing currently maintains relationships with over 950 preceptors at 700 practice sites, including primary care settings, health centers and clinics in both urban and rural settings.

Duke University Affiliated Physicians. Other primary care practice sites include Duke University Affiliated Physicians, Inc. (DUAP), a primary care delivery system

servicing the greater Triangle area. The Duke University Affiliations Program is creating strong linkages with community hospitals throughout North Carolina. Working closely with Duke University Affiliated Physicians, the program addresses the need for more primary care physicians and nurse practitioners, helps communities plan and develop specialty programs, and works in affiliated communities to prepare collaborative responses to growth of managed care.

Long Term Care Consortium. The School of Nursing established the Long Term Care Consortium of high quality nursing homes consisting of: Carver Living Center, Northwood Nursing Home and Rehabilitation Center and the Extended Care and Rehabilitation Center of Durham Department of Veterans Affairs Medical Center and The Forest at Duke. The purpose of the ongoing relationship is to allow Duke University to develop and test innovations in long-term care practice to improve the quality of life of older adults. School of Nursing faculty with interest in nursing home research contribute time and consultation to consortium members, which in turn provides sites to test evidence-based practices to solve clinical problems and conduct research.

School-Based Clinics. The Duke University School of Nursing operates two school-based clinics: Southern High School Wellness Center and the Wellness Clinic at George Watts Elementary School. Staffed by nurse practitioner faculty members, the clinics treat common chronic and acute illnesses, provide appropriate referrals, focus on health promotion and illness prevention, and facilitate educational and safety programs. The clinics also provide clinical rotation opportunities for School of Nursing pediatric nurse practitioner students.

School of Nursing



The Duke University School Of Nursing

Dedicated to excellence, the Duke University School of Nursing, is a national leader in nursing education. By providing advanced comprehensive education, conducting research that adds to our understanding of health and illness and practicing compassionate research-based nursing care, the faculty, students and graduates of the Duke University School of Nursing are shaping the future of professional nursing.

Programs

MASTER OF SCIENCE IN NURSING PROGRAM

The School of Nursing offers a flexible, 39 to 52 credit program leading to the Master of Science in Nursing degree and offers two joint degree programs in conjunction with the Fuqua School of Business (the MSN/MBA) and the Divinity School (MSN/MCM). Students pursue their educational endeavors with faculty and clinical/consulting associates who have expertise and research in the student's chosen area of specialization. For most programs, students have the ability to pursue full-time or part-time study.

The integration of education, practice, and research undergirds the entire curriculum and the behavior of those individuals involved in the educative process. Upon completion of the program, the graduate is able to:

1. synthesize concepts and theories from nursing and related disciplines to form the basis for advanced practice,
2. demonstrate expertise in a defined area of advanced practice,
3. utilize the process of scientific inquiry to validate and refine knowledge relevant to nursing,
4. demonstrate leadership and management strategies for advanced practice,
5. demonstrate proficiency in the use and management of advanced technology related to patient care and support systems,



6. analyze socio-cultural, ethical, economic, and political issues that influence patient outcomes,
7. demonstrate the ability to engage in collegial intra- and inter-disciplinary relationships in the conduct of advanced practice.

THE POST-MASTER'S CERTIFICATE PROGRAM

The School of Nursing offers a post-master's certificate to students who have earned an MSN from a National League for Nursing or Commission on Collegiate Nursing Education accredited program and are seeking specialized knowledge within a major offered in the School's master's program. The number of credits required to complete the certificate program varies by major; the student must successfully complete the required courses in the chosen nursing major. Completion of the certificate program is documented in the student's academic transcript. Depending upon the major, the student may then meet the qualifications for advanced practice certification in the specialty area. For example, students who complete the post-master's certificate in the nurse practitioner majors are eligible to sit for certification examinations.

Admission and Progression



Admission and Progression

ADMISSION REQUIREMENTS FOR THE MASTER'S DEGREE*

1. Bachelor's degree with an upper division nursing major from a program accredited by the National League for Nursing (NLN) or the Commission on Collegiate Nursing Education (CCNE).
2. Completion of application for admission, including two copies of all post-secondary educational transcripts. The bachelor's or post-bachelor's course work must include satisfactory completion of a course in descriptive and inferential statistics.
3. It is recommended, but not required, that applicants have a minimum of one year of nursing experience before matriculation. Applicants with less than one year of experience will be advised to take core courses in the first year of study and to work to meet the experience recommendation.
4. Undergraduate grade point average of 3.0 on a 4.0 scale.
5. Satisfactory performance on the Graduate Record Examination (G.R.E.) or Miller Analogies Test (M.A.T.).
6. Licensure or eligibility for licensure as a professional nurse in North Carolina, unless your license is from a "compact state": Arkansas, Iowa, Maryland, Texas, Utah or Wisconsin; and that is your primary state of residence (your declared fixed permanent and principal home for legal purposes; domicile) or you are a distance-based student who will not be practicing in North Carolina while enrolled in school and have licensure or eligibility for licensure in your primary state of residence.**
7. Three references attesting to personal and professional qualifications. At least two references must be from former employers, faculty members, or deans.
8. Personal interview. Other arrangements will be made when distance is a factor.
9. Basic computer skills are required prior to matriculation.

Selection will be based on the applicant's qualifications, intellectual curiosity, potential for professional growth, and contributions to the profession. Exception to any of the admission requirements will be considered on an individual basis.

* Candidates for admission to the Nurse Anesthesia program at the Duke University School of Nursing have the same admission requirements as all other applicants, with the following additions: 1) Basic and Advanced Cardiac Life Support Certification (ACLS and PALS); and 2) one year of acute care experience as a registered nurse with an emphasis placed on interpretation and use of advanced monitoring, ventilatory care, fine psychomotor skills, and independent decision making.

** Candidates for admission to the Master of Science in Nursing or Post-Master's Certificate program of Duke University School of Nursing who are not from a "compact state" or a distance-based student must obtain a license to practice as a registered nurse in the state of North Carolina before matriculation. All students from a "compact state" and all distance-based students must provide proof of licensure on an annual basis to the Office of Admissions and Student Services. Students licensed by the state of North Carolina will have their licenses verified via the Board of Nursing Website by the Office of Admissions and Student Services. Information on licensure procedures for the State of North Carolina may be obtained from the North Carolina Board of Nursing, P.O. Box 2129, Raleigh, North Carolina 27602, or by calling 919-782-3211

ADMISSION REQUIREMENTS FOR THE POST-MASTER'S CERTIFICATE OPTION*

1. A master's degree from an NLN or CCNE accredited school of nursing.
2. Completion of application for the certificate program including one copy of all undergraduate and graduate transcripts. The bachelor's or post-bachelor's course work must include satisfactory completion of a course in descriptive and inferential statistics.
3. It is recommended, but not required, that applicants have a minimum of one year of nursing experience before matriculation.
4. Licensure or eligibility for licensure as a professional nurse in North Carolina, unless your license is from a "compact state": Arkansas, Iowa, Maryland, Texas, Utah or Wisconsin; and that is your primary state of residence (your declared fixed permanent and principal home for legal purposes; domicile) or you are a distance-based student who will not be practicing in North Carolina while enrolled in school and have licensure or eligibility for licensure in your primary state of residence.**
5. Two letters of academic and/or professional reference.
6. Personal interview. Other arrangements will be made when distance is a factor.

ADMISSION REQUIREMENTS FOR THE NON-DEGREE OPTION

An individual may take graduate level courses as a non-degree student, provided he or she has a bachelor's degree. Non-degree students are admitted to individual classes by permission of the instructor on a space available basis. To apply, an official copy of all transcripts must be sent to the School of Nursing Office of Admissions and Student Services along with a completed Non-Degree Application for Admission and a \$50 application fee. Students who register for clinical courses must also submit two letters of reference from their employe and evidence of licensure as a nurse in North Carolina or a "compact" state.** All non-degree application requirements are to be submitted by the deadline for the semester during which the course will be offered – applications received after the deadline will be considered on a space-available basis only. If permission is granted by the faculty, the student will be notified by the Office of Admissions and Student Services.

Admission as a non-degree student in the School of Nursing does not imply or guarantee admission to degree status in any school of the university. Admission to the School of Nursing is limited to those applicants whose previous academic work or training indicates an ability to perform satisfactorily at the level established for the university's students. If a non-degree student is later admitted to the MSN program, a maximum of seven credits earned as a non-degree student will be accepted toward the MSN degree.

* Candidates for admission to the Nurse Anesthesia program at the Duke University School of Nursing have the same admission requirements as all other applicants, with the following additions: 1) Basic and Advanced Cardiac Life Support Certification (ACLS and PALS); and 2) one year of acute care experience as a registered nurse with an emphasis placed on interpretation and use of advanced monitoring, ventilatory care, fine psychomotor skills, and independent decision making.

** Candidates for admission to the Master of Science in Nursing or Post-Master's Certificate program of Duke University School of Nursing who are not from a "compact state" or a distance-based student must obtain a license to practice as a registered nurse in the state of North Carolina before matriculation. All students from a "compact state" and all distance-based students must provide proof of licensure on an annual basis to the Office of Admissions and Student Services. Students licensed by the state of North Carolina will have their licenses verified via the Board of Nursing Website by the Office of Admissions and Student Services. Information on licensure procedures for the State of North Carolina may be obtained from the North Carolina Board of Nursing, P.O. Box 2129, Raleigh, North Carolina 27602, or by calling 919-782-3211

OFFICE OF ADMISSIONS AND STUDENT SERVICES CONTACT INFORMATION

Prospective students wishing to obtain program information and admissions materials should contact the Office of Admissions and Student Services toll free at 1-877-415-3853, locally at 919-684-4248, or by e-mail at Admissions@son3.mc.duke.edu. Information can also be accessed at the School of Nursing's web site: <http://www.nursing.duke.edu>.

HEALTH AND IMMUNIZATION RECORD

North Carolina law requires that all new students present proof of selected immunizations before matriculation. The Duke University Student Health Immunization Form and Report of Medical History, furnished by Duke University, should be completed and returned to the Director of Student Health Services, Box 2899 DUMC, Duke University, Durham, North Carolina 27710 (919-684-3367).

Students should begin classes with complete, verified immunization forms. For those who are unable to do so, the Durham County Health Department (560-7600) on Main Street provides some of the necessary inoculations free of charge. Online students should send in their completed and verified forms at least two weeks prior to the start of the semester.

ADDITIONAL ADMISSION REQUIREMENTS FOR INTERNATIONAL APPLICANTS

Duke welcomes the unique cultural and personal perspectives of all people. International students are encouraged to apply early in the academic year prior to the year they wish to attend Duke to ensure time to complete the following additional requirements:

1. evidence of adequate financial support for the duration of the program;
2. a minimum score of 550 on the paper-based test or of 213 on the computer-based test on the Test of English as a Foreign Language (TOEFL) if English is not the primary language;
3. a passing score on the Commission on Graduates of Foreign Nursing Schools (CGFNS) examination.

The Commission on Graduates of Foreign Nursing Schools (CGFNS) examination is a prerequisite for taking the Registered Nurse licensing examination in the state of North Carolina and for obtaining a nonimmigrant occupational preference visa (H1-A) from the United States Immigration and Naturalization Service. CGFNS offers a two-part certification program that includes a credentials review followed by a test of nursing and English language skills. The CGFNS examination dates can be found at <http://www.cgfns.org>. Application materials may be requested from CGFNS, 3624 Market Street, Philadelphia, Pennsylvania 19014 (215-349-8767) or via the CGFNS web site. The registration deadlines for these exams are approximately four months prior to their administration. Early application is therefore essential.

TOEFL information can be obtained at P.O. Box 6151, Princeton, NJ (609-771-7100) or from the TOEFL web site at <http://www.toefl.org>.

ADMISSION APPLICATION INFORMATION

All applicants to graduate programs at the Duke University School of Nursing must complete an application and submit that completed application to the Office of Admissions and Student Services. A check or money order for the nonrefundable processing fee of \$50 must accompany each application.

Testing dates and locations for the Graduate Record Examination can be obtained from most colleges or from the Educational Testing Service, P. O. Box 6000, Princeton, New Jersey 08541-6000 (609-771-7670 or <http://www.gre.org>). Information for the

Miller Analogies Test can be obtained from The Psychological Corporation, 555 Academic Court, San Antonio, Texas 78204-3956 (210-921-8801 or 800-622-3231). **The number to use on the G.R.E. to indicate that you want a copy of your scores sent to the School of Nursing is R5173. The number to use on the M.A.T. is 2734.**

Once the Office of Admissions and Student Services receives all of the above information, a faculty member will contact the applicant and arrange a personal interview. Following this interview, the Admissions Committee reviews the student's information and a final recommendation is forwarded to the Dean of the School of Nursing.

The Duke University School of Nursing gives preference to applications received by March 1st for summer and fall matriculation and October 1st for spring matriculation. Applications received after these dates will be considered on a space available basis.

NOTIFICATION OF STATUS

Admission may be accepted, accepted with conditions, or denied – each applicant will receive written notification of all decisions. The process of admission is not complete until the School of Nursing Office of Admissions and Student Services has received the acceptance forms and nonrefundable tuition deposit. The tuition deposit is \$150 for all programs except the nurse anesthesia program, which requires a \$1000 deposit. This fee will be credited toward tuition or forfeited if the student decides not to matriculate.

FINANCIAL AID

Applicants who wish to be considered for financial assistance are highly encouraged to complete and submit a Free Application for Federal Student Aid while applying for admission. An application for the School of Nursing Merit Scholarship must also be submitted prior to March 1st for Fall and Summer matriculation or October 1st for Spring Matriculation. These forms are available at the Office of Admissions and Student Services at the School of Nursing. For additional financial aid information, please refer to the complete Financial Aid section located at the end of this publication.

FULL-TIME AND PART-TIME DEGREE STATUS

Opportunities for part-time and full-time study are available for most programs. For on-campus students, full-time status is defined as taking a minimum of nine (9) credits or three (3) courses per semester, except when fewer credits are needed to complete program requirements. Full-time status in distance-based programs is defined as taking 18 credits per calendar year except when fewer credits are needed to complete program requirements. Students who wish to change from full-time or part-time status must notify both their academic advisor and the Office of Admissions and Student Services.

TRANSFER OF GRADUATE CREDITS

A maximum of six units of graduate credit may be transferred for graduate courses completed at other accredited institutions (or in other graduate programs at Duke). Transfer credit will be given only for academic work completed within the five years prior to matriculation at Duke. Such units are transferable only if the student has received a grade of *B* (3.0 on a 4.0 scale or its equivalent) and after the student has earned a minimum of 6 units of graduate credit at Duke University School of Nursing. A student wishing to transfer course work should make a written request to his/her academic advisor and provide a transcript and a syllabus or other description of the course he/she wishes to have considered for transfer credit.

TRANSFER TO ANOTHER GRADUATE NURSING MAJOR

A change of graduate nursing major may be made, contingent upon approval of the faculty involved. Should a change be made, a student must meet all requirements of the

new major. Students must file a "Change of Major" form. "Change of Major" forms are available in the Office of Admissions and Student Services and at the Duke University School of Nursing website: <http://www.nursing.duke.edu>.

TIME FOR COMPLETION OF THE MASTER'S DEGREE

The master's degree student should complete all requirements for the degree within five calendar years from the date of initial matriculation. No full-time residence is required; however, all students enrolled in the school who have not been granted a leave of absence by the dean must register for fall, spring, and summer semesters until all degree requirements are completed.

COMPUTER SKILLS

The School of Nursing is dedicated to technology-enhanced learning. Courses integrate technology in curriculum delivery and require an intermediate level of computer literacy, including proficiency in MS Word, file management skills, browser management skills, and basic computer security. During Orientation week, on-campus students are required to complete a half-day Technology Seminar – alternative arrangements for meeting the basic skills requirement will be made for Distance education students who are unable to attend Orientation. For more information on recommended computer hardware/software and computer literacy needs, please refer to the School of Nursing's website: <http://www.nursing.duke.edu>.

ADVISEMENT

Upon admission to the program, each student is assigned an interim academic advisor. This advisor will direct the student's academic activities until a permanent academic advisor is assigned. The permanent academic advisor is selected following consultation with both the interim and proposed academic advisors, and in accordance with the student's clinical and research interests. The permanent academic advisor then assists the student in planning and implementing his/her course of study throughout the master's program.

GRADES

All courses in the School of Nursing counting toward the master's degree, except those listed in the next paragraph, must be taken for the following grades: *A* (4.0); *A-* (3.7); *B+* (3.3); *B* (3.0); *B-* (2.7); *C+* (2.3); *C* (2.0); *C-* (1.7); *F* (0.0). The letter-to-number conversion for course work is as follows: *A* (93-100); *A-* (90-92); *B+* (87-89); *B* (83-86); *B-* (80-82); *C+* (77-79); *C* (73-76); *C-* (70-72); *F* (69 and below).

The professor will assign a designation of "*Cr*" or "*NCr*" for credits earned toward completion of the thesis (N313), the non-thesis option (N314), directed research (N315), independent study (N359), the residency and those elective courses offered with a Credit/NoCredit option. The designation of "*Cr*" indicates that the student has successfully completed all the requirements for those credits registered. The designation "*NCr*" indicates that the student has failed the course and "*NCr*" is treated as an "*F*." A minimum of six credits must be earned for N313 or N314; however, these credits may be earned in any amount of whole number increments to total six.

In case of illness or other nonacademic problems, it is the student's responsibility to negotiate with the professor for an *I* (incomplete grade). In the case of an *I*, the professor issuing the *I* will specify the date by which the student is to remove the deficiency; in no case will this be more than one calendar year from the date the course ended.

ACADEMIC WARNING AND ADMINISTRATIVE WITHDRAWAL

Master's students who have a cumulative GPA less than 2.7 at any time after completing 20 credits will be asked to withdraw from the program. Post Master's Certificate

students who have a cumulative GPA less than 2.7 at any time after completing 10 credits will be asked to withdraw from the program. An *F* (0.0) in any graduate level course will result in administrative withdrawal from the school at the end of the semester in which the grade is received. Prior to the completion of 20 credits (MSN students) or 10 credits (PMC students), students whose cumulative GPA falls below 2.7 will be placed on academic probation and must meet with their academic advisor to develop a personal plan for improvement. A student whose cumulative GPA falls between 2.7 and 3.0 at any time will receive a letter of academic warning and is encouraged to meet with her or his academic advisor. These measures are designed to encourage students to reflect critically on their academic performance from semester to semester and continue to improve and excel.

COURSE ADD/DROP/WITHDRAWAL

Students may make changes in their schedule before the end of the add/drop period at the beginning of each semester. Precise dates are provided to students with registration information. The student's advisor must review and approve the student's request to drop or add courses. Dropping or adding courses must be done during the designated period of time in the semester. If a student withdraws from a course after the add/drop period, the status of the student at the time of withdrawal from the course will be indicated on the student's transcript as *Withdrew Passing* (WP) or *Withdrew Failing* (WF). A student who is failing a course may withdraw from the course no later than one (1) week prior to the scheduled final exam or one (1) week prior to the last day of classes (if there is no final exam). Withdrawal is constituted by the submission of a completed *Course Withdrawal* form with all requisite signatures to the Office of Admissions and Student Services. A student who withdraws failing (WF) from more than one course will be administratively withdrawn from the program. In exceptional circumstances, the student may petition the Dean to receive a *Withdrew* (W). Refunds of tuition and fees will not be made except as applicable within the established parameter of a total withdrawal from the program.

INTERRUPTION OF PROGRAM AND WITHDRAWAL FROM THE GRADUATE PROGRAM

The School of Nursing reserves the right, and matriculation by the student is a concession of this right, to request the withdrawal of any student whose performance at any time is not satisfactory to the School of Nursing. If a student for any reason wishes to withdraw from the school, notification should be made to the dean before the expected date of withdrawal. Students who have withdrawn from the school must re-apply for admission according to regular admission policies.

Students who find it necessary to interrupt their program of study should request in writing a leave of absence addressed to the dean of the School of Nursing. A maximum of one calendar year's leave may be granted; this will be counted toward the total time allowed to complete the program.

SERVICES FOR STUDENTS WITH DISABILITIES

Duke University is prepared to explore possible coverage, reasonable academic adjustments, and accommodations to permit students with disabilities participation in the programs and activities available to students without disabilities. Students with disabilities needing information about academic accommodations should consult with the Office of Services for Students with Disabilities (919) 684-5917.

The vice-president for Institutional Equity is the designated compliance officer for the Americans with Disabilities Act of 1990 and the Rehabilitation Act of 1970. The compliance office can be reached at 919-684-8222.



CHANGE OF ADVISOR

Students may request a change in assignment to an academic advisor by filing a "Change of Advisor" form, available in the Office of Admissions and Student Services. In order for the form to be processed, students must secure all needed signatures and the form must be filed before changes in assignment of academic advisors can be made; a verbal agreement with a faculty member does not constitute a change in advisors. The School of Nursing reserves the right to change a student's advisor as needed. In the event that the School of Nursing changes a student's advisor, the new advisor will explain to the student the reason for the change.

COMMUNICATION BETWEEN DUKE UNIVERSITY AND STUDENTS

Electronic mail (e-mail) is the official medium by which Duke University communicates policies, procedures, and items related to course work or degree requirements to students enrolled at the university. All students matriculated at the School of Nursing are assigned a Duke University e-mail account upon acceptance of an offer of admission. It is the student's responsibility to check this e-mail account regularly and to respond promptly to requests made by e-mail.

INTER-INSTITUTIONAL AGREEMENTS

Under a plan of cooperation between Duke University and the University of North Carolina at Chapel Hill, North Carolina Central University in Durham, and North Carolina State University in Raleigh, students properly enrolled in the Graduate School of Duke University during the regular academic year, and paying full fees to this institution, may be admitted to a maximum of two courses at one of the other institutions in the cooperative plan. Credit so earned is not considered transfer credit. All inter-institutional registrations involving extra-fee courses or special fees required of all students will be made at the expense of the student and will not be considered a part of the Duke tuition coverage.

STUDENT GRIEVANCE/ACADEMIC APPEALS PROCEDURES

A graduate student in the School of Nursing who seeks resolution to academic problems is to confer with the faculty of the course and his/her academic advisor(s). If these discussions do not result in plans for problem resolution that are acceptable to the student, then the student may formally appeal. Appeals should adhere to established guidelines which are explained on the School of Nursing website: <http://www.nursing.duke.edu> or can be obtained from the Office of Admissions and Student Services.

CONFIDENTIALITY OF STUDENT RECORDS

Duke University adheres to a policy permitting student's access to their educational records and certain confidential financial information. Students may request in writing review of any information contained in their educational records and may, using appropriate procedures, challenge the content of these records. An explanation of the complete policy on educational records may be obtained from the registrar's office. No information, except directory information, contained in any student record is released to persons outside the university or to unauthorized persons on the campus, without the written consent of the student. It is the responsibility of the student to provide the Office of the Registrar and other university offices, as appropriate, with the necessary specific authorization and consent. Directory information includes name, addresses, telephone listing, date and place of birth, photograph, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and most recent previous educational institution attended. This information may be released to appear in public documents and may otherwise be disclosed without student consent unless a written re-

quest not to release this information is received by the Office of Admissions and Student Services and the Office of the Registrar by the end of the second week of classes each term.

COMMENCEMENT

Graduation exercises, including the Duke University School of Nursing Hooding and Recognition ceremony, are held once a year, in May, when degrees are conferred and diplomas issued to students who have completed all requirements. Students who complete degree requirements by the end of the fall or by the end of the summer term receive diplomas dated December 30 or September 1, respectively. There is a delay in the mailing of September and December diplomas because diplomas cannot be issued until approved by the Academic Council and Board of Trustees. All graduates, including those receiving degrees in December and September, are expected to attend both the Hooding and Recognition Ceremony and the graduation exercises in May. *

*The Hooding and Recognition Ceremony is held on the Saturday evening prior to Sunday Commencement exercises.

Program Requirements



Program Requirements

REQUIREMENTS FOR THE MASTER'S DEGREE

Each of the school's majors requires the completion of 39 to 52 units of credit. These units include core courses required of all master's students, the research options, courses in the major, and electives.

Required Core Courses*	Credits
N301. Population-Based Approaches to Health Care	3
N303. Health Services Program Planning and Outcomes Analysis	3
N307. Research Methods	3
N308. Applied Statistics	2
Total	11
Research Options (Select One)*	Credits
N312. Research Utilization in Advanced Nursing Practice	3
N313. Thesis	6
N314. Non-thesis Option	6
N315. Directed Research	3 - 6
Total	3 - 6
Total Required Core Courses for all MSN students	14-17

Major Fields of Study

HEALTH SYSTEMS LEADERSHIP AND OUTCOMES

The Duke University School of Nursing is committed to creating health care leaders for the 21st century. The MSN program in Health Systems Leadership and Outcomes is founded upon strong core and research courses. This foundation is augmented by a series of courses in complex systems, organizational theory, financial management, and outcomes analysis. Students also select a concentration area based upon individual professional interests and goals. For example, Duke offers a minor in informatics. The minimum number of credits required for graduation is 39. Course work includes the following:

Health Systems Leadership And Outcomes	Credits
MSN Core Courses	14-17
N400. Organizational Theory for Integrated Health Care Delivery Systems	3
N401. Dynamics of Management	3
N402. Financial Management and Budget Planning	4
N419. Leadership Residency	4
Electives	11
TOTAL MINIMUM NUMBER OF CREDITS FOR GRADUATION	39 - 42
Informatics Minor	Credits
N410. Informatics Issues in Nursing Systems	3
N411. Nursing Informatics Theory and Application	3
N418. Nursing Informatics Residency	3 - 9
Total	9 - 15

*Required of all MSN candidates

MSN – MBA Program

The School of Nursing also offers, in conjunction with the Fuqua School of Business, a joint MSN/MBA degree. Course work for the joint MSN/MBA includes the following:

	Credits
MSN Core Courses	14-17
N400. Organizational Theory for Integrated Health Care Delivery Systems	3
N401. Dynamics of Management	3
N419. Leadership Residency	4
BA 390 ILE I: Team Building and Leadership Development	2
BA 300. Managerial Economics	3
BA 311. Probability and Statistics	3
BA 320. Managerial Effectiveness	3
BA 395. Individual Effectiveness	2
BA 340. Financial Accounting	3
BA 350. Global Financial Management	3
BA 360. Marketing Management	3
BA 396. Individual Effectiveness	2
BA 312. Decision Models	3
BA 341. Managerial Accounting	3
BA 370. Operations Management	3
BA 397. Individual Effectiveness	2
BA 391. ILE II: Competitive Business Strategy	2
BA 301. Global Economic Environment of the Firm	3
BA 398. Individual Effectiveness	2
BA Elective	6
ILE III: Competitive Advantage Through People and Processes	2
ILE IV: Complex Management Problems: Age of Asia	2
BA Electives	17
TOTAL MINIMUM NUMBER OF CREDITS FOR GRADUATION	93

Leadership in Community-Based Long Term- Care

Graduates of the Leadership in Community-Based Long Term-Care program will combine health administration and clinical expertise to design and implement innovative management practices that improve care for the elderly. The curriculum for this program synthesizes clinical gerontology, health care management, and information science and prepares graduates to assume clinical nursing and managerial positions in corporate and community long-term care organizations. The comprehensive and flexible program provides both full-time and part-time options. A minimum of 39 credits is required for graduation. Course work in the major includes the following:

	Credits
MSN Core Courses	14-17
N400. Organizational Theory for Integrated Health Care Delivery Systems	3
N401. Dynamics of Management	3
N402. Financial Management and Budget Planning	4
N403. Synthesis of Clinical and Management Decision Making	4
N419. Leadership Residency	4

N480. Social Issues, Health and Illness in the Aged Years	3
N481. Managing Care of the Frail Elderly	4
TOTAL MINIMUM NUMBER OF CREDITS FOR GRADUATION	39 - 42

Clinical Research Management

Duke University and Duke University Health Systems are internationally recognized for excellence in research, education and patient care. Graduates from the Clinical Research Management Program at Duke University have an opportunity to access a world-class learning environment and call on resources that are among the best in the nation. The Clinical Research Management Program integrates training from many disciplines to provide a solid program strong in business and financial practices, regulatory affairs, and research management with an emphasis in the management of clinical drug, biological, and device trials. Graduates of this program will be prepared to work in research in industry, service or academic settings. This program is intended to be flexible and conducive to the adult learner. Students complete the core MSN courses plus four specialty courses in the major. The program is rounded out by electives from sciences, management, or other specialty courses. The capstone course, a 300-hour residency, places the student as a member of a project team working on a drug, biological, or device development project in industry, academia, or government. Seminars in the residency will address issues associated with transition to the role of clinical trial manager. Course work includes the following:

Clinical Research Management	Credits
MSN Core Courses	14-17
N490. CRM: Trials Management	4
N491. CRM: Business and Financial Practices	4
N492. CRM: Regulatory Affairs	4
N499. CRM: Residency	4
Electives	9
TOTAL MINIMUM NUMBER OF CREDITS FOR GRADUATION	39-42

Family and Adult Nurse Practitioner Majors: Acute Care, Adult Primary Care, Cardiovascular, Oncology/ HIV, Family and Gerontology

Nurse practitioner majors focus on developing the knowledge and skills necessary to provide primary and/or acute care across settings, including care of individuals in rural and under-served areas. The family and adult nurse practitioner majors include acute care, adult primary care, cardiovascular, oncology/HIV, family, and gerontology. All students take the practitioner core courses, which include pathophysiology, pharmacology, diagnostic reasoning and physical assessment and management of common acute and chronic health problems (listed below as practitioner core courses). Each of these majors requires specialty course work consistent with the clinical practice of the major. The general pattern includes two courses that are didactic or a combination of clinical and didactic, and a residency course. All family and adult nurse practitioner majors have at least 600 hours of clinical experience, the minimum recommended by the National Organization of Nurse Practitioner Faculties (NONPF) and the American Association of Colleges of Nursing (the number of clinical hours varies by major). As a capstone experience, all NP students are required to complete a final clinical residency under the mentorship of an experienced clinician in his/her respective area of expertise. The residency includes seminars that encourage the synthesis of clinical learning and the transition to the role of nurse practitioner. The total minimum number of credits required for graduation varies by major. Course work in the major includes 16 credits of

practitioner core courses and 11 to 13 additional credits including the residency in the major. The minimum number of credits for graduation is 43-48.

Practitioner Core Courses	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
Total	16

Acute Care Nurse Practitioner	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	16
N442. Sexual and Reproductive Health	2
N450. Management of Critically Ill Adult Patients I	3-4
N451. Management of Critically Ill Adult Patients II	3-4
N458. Nurse Practitioner Residency: Adult Acute Care	3
Total	41–46

Adult Nurse Practitioner –Primary Care	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	16
N442. Sexual and Reproductive Health	2
N459. Nurse Practitioner Residency: Adult Primary Care	3
Clinical Elective	3
Elective	5
Total	43–46

Adult Nurse Practitioner – Cardiovascular	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	16
N442. Sexual and Reproductive Health	2
N459. Nurse Practitioner Residency: Adult Primary Care	3
N460. Advanced Management of Patients with Cardiovascular Diseases	3
N461. Care Management of Patients with Selected Cardiovascular Illnesses	4
N469. Nurse Practitioner Residency: Adult Cardiovascular	1
Elective	2
Total	45 - 48

Adult Nurse Practitioner – Oncology/HIV	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	16
N442. Sexual and Reproductive Health	2
N459. Nurse Practitioner Residency: Adult Primary Care	3
N470. Oncology/HIV AIDS Nursing I: Epidemiology and Pathophysiology	3
N471. Oncology/HIV AIDS Nursing II: Symptom and Problem Management	3

N479. Nurse Practitioner Residency: Adult Oncology/HIV AIDS	1
HIV Course or Elective	2
Total	44 – 47
Family Nurse Practitioner	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	16
N440. Well Child Physical and Developmental Assessment for Family Nurse Practitioners	1
N441. Child Health in Family Care	4
N442. Sexual and Reproductive Health	4
N449. Nurse Practitioner Residency: Family Elective	4 2
Total	45-48
Gerontology Nurse Practitioner	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	16
N442. Sexual and Reproductive Health	2
N480. Social Issues, Health, and Illness in the Aged Years	3
N481. Managing Care of the Frail Elderly	4
N489. Nurse Practitioner Residency: Gerontology	3
Elective/Independent Study	2
Total	44 - 47

Nurse Practitioner: Pediatric and Neonatal

The neonatal and pediatric nurse practitioner majors prepare graduates as nurse practitioners in primary, secondary, tertiary, long-term, or home care settings for pediatric patients across the age and illness continuum. Emphasis is placed on family-centered culturally sensitive care. The Pediatric Nurse Practitioner, Acute Care Pediatric Nurse Practitioner and Neonatal Nurse Practitioner majors build on core pediatric nurse practitioner courses that include neonatal/pediatric pathophysiology, neonatal/pediatric pharmacology, and neonatal/pediatric physical assessment. Courses in the specialty address management of pediatric or neonatal patients and families within the framework of the patient's stage of growth and development. The specialty courses are supplemented by clinical hours which may include primary care pediatric clinics, pediatric intensive care, pediatric cardiology, neonatal/pediatric radiology, pediatric surgery, pediatric/neonatal transport, neonatal intensive care, neonatal transitional care, pediatric and neonatal step-down units, pediatric rehabilitation, pediatric home care, and school based health clinics. The capstone course is the residency. Under the guidance of a mentor, students manage cohorts of patients in selected clinical facilities. Integral to the residency are seminars that address transition to the practitioner role, integration of clinical and didactic learning, and preparation for a position as a nurse practitioner. The total clinical hours required for graduation is 600 hours, except for the Acute Care Pediatric Nurse Practitioner, which requires 1104 hours. This meets the requirements of the specialty organizations and qualifies the student to sit for certification examinations in the specialty.

Practitioner Core	Credits
N320. Neonatal and Pediatric Pathophysiology	3
N321. Neonatal and Pediatric Pharmacology	3

N336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
Total	10
Pediatric Nurse Practitioner	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	10
N322. Common Pediatric Management Issues I	4
N323. Common Pediatric Management Issues II	4
N430. Issues in Infant and Young Child Development	3
N431. Issues in School Age Child and Adolescent Development	3
N439. Nurse Practitioner Residency: Pediatrics	4
Elective	2
Total	44-47
Neonatal Nurse Practitioner	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	10
N420. Managing Acute and Chronic Health Conditions in the Newborn I	4
N421. Managing Acute and Chronic Health Conditions in the Newborn II	4
N423. Nurse Practitioner Residency: Neonatal	4-6
N430. Issues in Infant and Young Child Development	3
Electives	2
Total	41-46
Pediatric Acute Care Nurse Practitioner	Credits
MSN Core Courses	14-17
Nurse Practitioner Core Courses	10
N322. Common Pediatric Management Issues I	4
N323. Common Pediatric Management Issues II	4
N430. Issues in Infant and Young Child Development	3
N431. Issues in School Age Child and Adolescent Development	3
N439. Nurse Practitioner Residency: Pediatrics	4
N427. Managing Acute and Chronic Health Conditions in Children II	4
N428. Nurse Practitioner Residency: Pediatric Acute Care	3
Total	49-52

Clinical Nurse Specialist

The clinical nurse specialist (CNS) majors focus on developing the knowledge and skills necessary to provide care to patients with complex health problems and their families; care is provided in a variety of settings. Course work includes core courses and credits in the major as listed by individual programs. Elective credits are used to support the major. Core courses include: physical assessment, pharmacology, and pathophysiology. Clinical Nurse Specialist students take courses specific to their specialty areas. The number of courses and clinical hours vary by major; however, each major (with the exception of gerontology) requires a residency as the capstone course. The minimum number of credits required for the master's degree for CNS students is 39-42.

Clinical Nurse Specialist – Gerontology	Credits
MSN Core Courses	14–17
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
N442. Sexual and Reproductive Health	2
N480. Social Issues, Health, and Illness in the Aged Years	3
N481. Managing Care of the Frail Elderly	4
Elective	2
Total	41-44
Clinical Nurse Specialist – Oncology/HIV	Credits
MSN Core Courses	14–17
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N442. Sexual and Reproductive Health	2
N470. Oncology/HIV AIDS Nursing I: Epidemiology and Pathophysiology	3
N471. Oncology/HIV AIDS Nursing II: Symptom and Problem Management	3
N478. Clinical Nurse Specialist Residency: Oncology	2
Electives/Independent Study/HIV Course	5
Total	39-42
Clinical Nurse Specialist – Pediatrics	Credits
MSN Core Courses	14–17
N320. Neonatal and Pediatric Pathophysiology	3
N321. Neonatal and Pediatric Pharmacology	3
N336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N430. Issues in Infant and Young Child Development	3
N431. Issues in School Age Child and Adolescent Development	3
N438. Clinical Nurse Specialist Residency: Pediatrics	3
Electives/Independent Study	6
Total	39–42
Clinical Nurse Specialist – Neonatal	Credits
MSN Core Courses	14–17
N320. Neonatal and Pediatric Pathophysiology	3
N321. Neonatal and Pediatric Pharmacology	3
N336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4

N420. Managing Acute and Chronic Health Conditions in the Newborn I	4
N421. Managing Acute and Chronic Health Conditions in the Newborn II	4
N424. Clinical Nurse Specialist Residency: Neonatal	3
N430. Issues in Infant and Young Child Development	3
Elective	2
Total	40-43

Clinical Nurse Specialist – Critical Care	Credits
MSN Core Courses	14–17
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N442. Sexual and Reproductive Health	2
N450. Management of Critically Ill Adult Patients I	3-4
N451. Management of Critically Ill Adult Patients II	3-4
N457. Critical Care Clinical Nurse Specialist Residency	3
Electives/Independent Study	3-5
Total	40–45

Health and Nursing Ministries

The Master of Science in Nursing with a major in Health and Nursing Ministries is designed to offer nurses advanced nursing preparation as clinicians and coordinators of health and nursing ministries while equipping them with a basic theological education offered by the Divinity School. Graduates of this program will be prepared to serve as parish nurses, health systems parish nurse coordinators, health systems care managers, and community health nurses. The degree requires the completion of 47 credit hours (or equivalents), including the summer field clinical experience. The typical applicant for this degree will be an accomplished nurse with a desire and aptitude for advanced nursing education that also understands the value of basic theological education. Coursework in the major includes the following:

MSN Core Courses	Credits 14-17
N332. Diagnostic Reasoning and Physical Assessment in Advance Nursing Practice	4
N500. Seminar in Parish Nursing I	1
N501. Seminar in Parish Nursing II	1
N502. Health Promotion and Disease Prevention	3
N503. Health and Nursing Ministries Residency	3
N504. Seminar on Care and the End of Life: Suffering and Dying Well	3
N509. Seminar in Health and Nursing Ministries	3
Divinity Electives	6
CT32. Christian Theology	3
CHE33. Christian Ethics	3
CHE266. Ethics in Health Care	3
TOTAL MINIMUM NUMBER OF CREDITS FOR GRADUATION	47-50

Health and Nursing Ministries – Joint Master of Church Ministries/ Master of Science in Nursing

The MCM/MSN is a joint degree program offered by the Divinity School and the School of Nursing for those students who desire both thorough preparation in advanced nursing practice and theological education. Graduates of this program will be well prepared to develop, implement, and coordinate comprehensive parish and community nursing programs. This program requires the completion of 74 semester hours, including 300 hours of clinical field experience. The typical applicant for this degree will be a nurse who sees the need for both advanced clinical education and substantial theological preparation and is interested in advancing the scope of parish nursing practice at a conceptual level. Applicants for this program must meet all requirements for admission to both the Divinity School and the School of Nursing. Courses required for this dual degree include the following:

	Credits
MSN Core Courses	14-17
N332. Diagnostic Reasoning and Physical Assessment in Advance Nursing Practice	4
N500. Seminar in Parish Nursing I	1
N501. Seminar in Parish Nursing II	1
N502. Health Promotion and Disease Prevention	3
N503. Health and Nursing Ministries Residency	3
N504. Seminar on Care and the End of Life: Suffering and Dying Well	3
N509. Seminar in Health and Nursing Ministries	3
Nursing Elective	6
CT32. Christian Theology	3
CHE33. Christian Ethics	3
OT11. Introduction to the Old Testament	3
NT18. Introduction to the New Testament	3
CH13. Early and Medieval Christianity	3
CH14. Modern European Christianity	3
CHE266. Ethics in Health Care	3
CM Limited Elective	3
Divinity Electives	12
TOTAL MINIMUM NUMBER OF CREDITS FOR GRADUATION	74-77

Nurse Anesthesia

The Nurse Anesthesia Program is a 24-month program of study for full-time students leading to the degree of Master of Science in Nursing. There is no provision for part-time study. The Nurse Anesthesia program integrates theory, research, physiology, pharmacology, pathophysiology, chemistry, and physics. Students enrolled in the Nurse Anesthesia Program will complete a minimum of 51 course credits, including 663 didactic hours and 1872 clinical hours. In addition to the School of Nursing required core courses, students will take specialty courses required by the Council on Accreditation (COA) of Nurse Anesthesia Educational programs.

	Credits
MSN Core Courses	14-17
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3

N353. Advanced Physiology	3
N512. Pharmacology of Anesthetic Agents	4
N513. Basic Principles of Anesthesia	2
N515. Chemistry and Physics related to Anesthesia	3
N517. Advanced Principles of Anesthesia I	2
N518. Advanced Principles of Anesthesia II	2
N519. Advanced Principles of Anesthesia III	2
N521. Advanced Pathophysiology for Nurse Anesthetists I	3
N522. Advanced Pathophysiology of Nurse Anesthetists II	2
N526. Professional Aspects of Nurse Anesthesia Practice	3
N529. Clinical Anesthesia Practicum (5 rotations at 1 credit per rotation)	5
TOTAL MINIMUM NUMBER OF CREDITS FOR GRADUATION	51-54

Nursing Education

The Master in Nursing Education is a distance-based program designed for students who are seeking a master's degree but are unable to pursue a residential program. This program allows students to maintain their nursing positions and personal lives while pursuing a graduate education. The curriculum will be delivered using an on-line asynchronous instructional mode (instructional material can be accessed by students anytime, anyplace). However, since it is important for students to work with faculty and peers directly, and to feel part of Duke University, there will be scheduled on-campus activities related to specific courses. Students will be able to complete the program in seven semesters. An individualized teaching residency of 150 hours, with a mentor in the clinical/academic area of choice, is the capstone course in the program.

Graduates of the Nursing Education program will be prepared for roles in nursing education, staff development, hospital education, continuing education, and practice consultation. Courses in the program include the MSN core course and the following:

	Credits
MSN Core Courses	14-17
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning/Physical Assessment in Advanced Nursing Practice	4
N359. Independent Study in Scientific Writing	1
N502. Health Promotion Disease Prevention	3
3 Educational Cognate Courses	9
Nursing Education Residency	3
TOTAL MINIMUM NUMBER OF CREDITS FOR GRADUATION	40

Post Master's Certificate Program

The purpose of the post master's certificate program is to provide opportunities for students who already have an MSN degree to gain specialized knowledge within a major offered by Duke University School of Nursing. The post-master's certificate represents the student's successful completion of the required courses in the chosen nursing major. Course requirements for the post-master's certificate for each program are listed below.

HEALTH SYSTEMS LEADERSHIP AND OUTCOMES

	Credits
N400. Organizational Theory for Integrated Health Care Delivery Systems	3
N401. Dynamics of Management	3
N402. Financial Management and Budget Planning	4
N419. Leadership Residency	4
Total	14

INFORMATICS

	Credits
N410. Informatics Issues in Nursing Systems	3
N411. Nursing Informatics Theory and Application	3
N418. Nursing Informatics Residency	3-9
Total	9-15

CLINICAL RESEARCH MANAGEMENT

	Credits
N490. CRM: Trials Management	4
N491. CRM: Business and Financial Practices	4
N492. CRM: Regulatory Affairs	4
N499. CRM: Residency	4
Total	16

ACUTE CARE

Nurse Practitioner	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
N442. Sexual and Reproductive Health	2
N450. Management of Critically Ill Adult Patients I	3-4
N451. Management of Critically Ill Adult Patients II	3-4
N458. Nurse Practitioner Residency: Adult Acute Care	3
Total	27-29

Clinical Nurse Specialist – Critical Care	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N442. Sexual and Reproductive Health	2
N450. Management of Critically Ill Adult Patients I	3-4
N451. Management of Critically Ill Adult Patients II	3-4

N457. Critical Care Clinical Nurse Specialist Residency	3
Total	21-23

ADULT NURSE PRACTITIONER –PRIMARY CARE

	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
N442. Sexual and Reproductive Health	2
N459. Nurse Practitioner Residency: Adult Primary Care Clinical Elective	3
Elective	3
Total	27

ADULT NURSE PRACTITIONER – CARDIOVASCULAR

	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
N442. Sexual and Reproductive Health	2
N459. Nurse Practitioner Residency: Adult Primary Care	3
N460. Advanced Management of Patients with Cardiovascular Diseases	3
N461. Care Management of Patients with Selected Cardiovascular Illnesses	4
N469. Nurse Practitioner Residency: Adult Cardiovascular	1
Total	29

FAMILY NURSE PRACTITIONER

	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
N440. Well Child Physical and Developmental Assessment for Family Nurse Practitioners	1
N441. Child Health in Family Care	4
N442. Sexual and Reproductive Health	4
N449. Nurse Practitioner Residency: Family	1 – 4
Total	26 – 29



GERONTOLOGICAL NURSING

Nurse Practitioner

	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
N442. Sexual and Reproductive Health	2

N480. Social Issues, Health, and Illness in the Aged Years	3
N481. Managing Care of the Frail Elderly	4
N489. Nurse Practitioner Residency: Gerontology	3
Total	28

Clinical Nurse Specialist **Credits**

N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
N442. Sexual and Reproductive Health	2
N480. Social Issues, Health, and Illness in the Aged Years	3
N481. Managing Care of the Frail Elderly	4
Total	25

ONCOLOGY/HIV NURSING

Nurse Practitioner **Credits**

N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N333. Managing Common Acute and Chronic Health Problems I	3
N334. Managing Common Acute and Chronic Health Problems II	3
N442. Sexual and Reproductive Health	2
N459. Nurse Practitioner Residency: Adult Care	3
N470. Oncology/HIV AIDS Nursing I: Epidemiology and Pathophysiology	3
N471. Oncology/HIV AIDS Nursing II: Symptom and Problem Management	3
N479. Nurse Practitioner Residency: Adult Oncology/HIV AIDS	1
Total	28

Clinical Nurse Specialist **Credits**

N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N470. Oncology/HIV AIDS Nursing I: Epidemiology and Pathophysiology	3
N471. Oncology/HIV AIDS Nursing II: Symptom and Problem Management	3
N478. Clinical Nurse Specialist Residency: Oncology	3
Total	19

NEONATAL NURSING

Nurse Practitioner **Credits**

N320. Neonatal and Pediatric Pathophysiology	3
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N321. Neonatal and Pediatric Pharmacology	3
N336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N420. Managing Acute and Chronic Health Conditions in the Newborn I	4
N421. Managing Acute and Chronic Health Conditions in the Newborn II	4
N423. Nurse Practitioner Residency: Neonatal	4 - 6
N430. Issues in Infant and Young Child Development	3
Total	25 - 27

<i>Clinical Nurse Specialist</i>	Credits
N320. Neonatal and Pediatric Pathophysiology	3
N321. Neonatal and Pediatric Pharmacology	3
N336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N420. Managing Acute and Chronic Health Conditions in the Newborn I	4
N421. Managing Acute and Chronic Health Conditions in the Newborn II	4
N424. Clinical Nurse Specialist Residency: Neonatal	3
N430. Issues in Infant and Young Child Development	3
Total	24

PEDIATRIC NURSING

<i>Pediatric Nurse Practitioner</i>	Credits
N320. Neonatal and Pediatric Pathophysiology	3
N321. Neonatal and Pediatric Pharmacology	3
N322. Common Pediatric Management Issues I	4
N323. Common Pediatric Management Issues II	4
N336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N430. Issues in Infant and Young Child Development	3
N431. Issues in School Age Child and Adolescent Development	3
N439. Nurse Practitioner Residency: Pediatrics	4
Total	28

<i>Clinical Nurse Specialist</i>	Credits
N320. Neonatal and Pediatric Pathophysiology	3
N321. Neonatal and Pediatric Pharmacology	3
N336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N430. Issues in Infant and Young Child Development	3
N431. Issues in School Age Child and Adolescent Development	3
N438. Clinical Nurse Specialist Residency: Pediatrics	3
Elective	3
Total	22

PEDIATRIC ACUTE CARE NURSE PRACTITIONER

	Credits
N320. Neonatal and Pediatric Pathophysiology	3
N321. Neonatal and Pediatric Pharmacology	3

N336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice	4
N322. Common Pediatric Management Issues I	4
N323. Common Pediatric Management Issues II	4
N430. Issues in Infant and Young Child Development	3
N431. Issues in School Age Child and Adolescent Development	3
N439. Nurse Practitioner Residency – Pediatrics	3
N427. Managing Acute and Chronic Health Conditions in Children II	4
N428. Nurse Practitioner Residency: Pediatric Acute Care	4
Total	35

NURSE ANESTHESIA

	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N353. Advanced Physiology	3
N512. Pharmacology of Anesthetic Agents	4
N513. Basic Principles of Anesthesia	2
N515. Chemistry and Physics Related to Anesthesia	3
N517. Advanced Principles of Anesthesia I	2
N518. Advanced Principles of Anesthesia II	2
N519. Advanced Principles of Anesthesia III	2
N521. Advanced Pathophysiology for Nurse Anesthetists I	3
N522. Advanced Pathophysiology for Nurse Anesthetists II	2
N529. Clinical Anesthesia Practicum (5 rotations)	5
N531. Professional Aspects of Nurse Anesthesia Practice	3
Total	37

HEALTH AND NURSING MINISTRIES

	Credits
N332. Diagnostic Reasoning and Physical Assessment in Advance Nursing Practice	4
N500. Seminar in Parish Nursing I	1
N501. Seminar in Parish Nursing II	1
N502. Health Promotion and Disease Prevention	3
N503. Health and Nursing Ministries Residency	3
N504. Seminar on Care and the End of Life: Suffering and Dying Well	3
N509. Seminar in Health and Nursing Ministries	3
CT32. Christian Theology	3
CHE33. Christian Ethics	3
Divinity Electives	6
Total	30

NURSING EDUCATION

	Credits
N330. Selected Topics in Advanced Pathophysiology	3
N331. Clinical Pharmacology and Interventions for Advanced Nursing Practice	3
N332. Diagnostic Reasoning/Physical Assessment in Advanced Nursing Practice	4
N359. Independent Study in Scientific Writing	1
N502. Health Promotion Disease Prevention	3
3 Educational Cognate Courses	9
Nursing Education Residency	3
Total	26

Medical Spanish Elective Courses

The School of Nursing offers elective courses in medical Spanish and cultural competency designed to enable health care providers to be better able to serve Hispanic and Latino patients. Individuals who wish to enroll in these courses do not need to apply for admission to the School of Nursing. Further information is available from the Office of Admissions and Student Services: 1-877-415-3853; admissions@son3.mc.duke.edu.

	Credits
N531. Medical Spanish and Cultural Competency for Health Care– Beginner Level I	1
N532. Medical Spanish and Cultural Competency for Health Care– Beginner Level II	1
N533. Medical Spanish and Cultural Competency for Health Care– Intermediate Level I	1
N534. Medical Spanish and Cultural Competency for Health Care– Intermediate Level II	1

Courses of Instruction



Courses of Instruction*

301. Population-Based Approaches to Health Care. Provides an overview of population-based approaches to assessment and evaluation of health needs. Selected theories are the foundation for using scientific evidence for the management of population-based care. Enables the health care professional to make judgements about services or approaches in prevention, early detection and intervention, correction or prevention of deterioration, and the provision of palliative care. Fall, spring. Instructor: Cameron. 3 credits.

303. Health Services Program Planning and Outcomes Analysis. An analysis of theory and practice in the design, implementation, and evaluation of the outcomes of health services programs within an integrated health care system. From a health services planning paradigm, students conduct organizational and community needs assessments, determine priorities, plan and monitor implementation, manage change, evaluate outcomes, and provide planning reports. Spring, summer. Prerequisite: Nursing 307. Instructor: Anderson. 3 credits.

307. Research Methods. Focuses on research methods needed for systematic investigation and expansion of nursing knowledge. Critical appraisal of research and development of a research proposal are covered. Fall, spring. Instructor: Turner. 3 credits.

308. Applied Statistics. Emphasizes the application and interpretation of statistical procedures used in health care and nursing research. Data management and the relationship between research design and statistical techniques are also studied. Spring, fall. Prerequisite or concurrent: Nursing 307 or consent of instructor. Instructor: Coombs. 2 credits.

312. Research Utilization in Advanced Nursing Practice. Focuses on methods of implementing research findings to solve identified clinical problems. Students develop skill in creating and writing research-based protocols and in using research methods to evaluate nursing care. Summer. Prerequisite or concurrent: Nursing 307 and 308, or consent of instructor. Instructor: Staff. 3 credits.

313. Thesis. 1 to 6 credits. Fall, spring, summer. Instructor: Staff. Variable credit.

314. Nonthesis Option. 1 to 6 credits. Fall, spring, summer. Instructor: Staff. Variable credit.

315. Directed Research. Working on active research protocols under the guidance of a faculty member, students gain experience and skills in study design, implementa-

*Course offerings and content subject to change.

tion, and/or analysis. Human and animal use issues in research are explored throughout the experience. Course may be repeated for up to 6 credits. If taken in lieu of Nursing 312, 313, or 314, a minimum of 3 credits is required for graduation. Consent of instructor required. Fall, spring, summer. Prerequisites: Nursing 307 and 308 recommended but not required as pre/co-requisites. Instructor: Staff. Variable credit.

320. Neonatal and Pediatric Pathophysiology. Focuses on advanced pathophysiologic knowledge as a basis for understanding alterations in biologic processes in the developing organ systems of neonatal and pediatric patients. With this foundation, students learn to differentiate normal from abnormal findings in patients from birth through eighteen years. Fall. Instructors: Brandon. 3 credits.

321. Neonatal and Pediatric Pharmacology. Focuses on principles of pharmacologic management of pediatric patients with various conditions. Data collection and diagnostic reasoning are emphasized in relation to drug selection, delivery, monitoring, and evaluation of pharmacologic interventions. Family education is incorporated. Spring. Instructors: Bradshaw and Turner. 3 credits.

322. Common Pediatric Management Issues I. Focus on comprehensive assessment and management of selected pediatric primary care problems. Includes information on acute and chronic illnesses, health maintenance issues, and recognition of circumstances that require interdisciplinary collaboration or referral within the areas of dermatology, ophthalmology, otolaryngology, cardiac, pulmonary, immunology, rheumatology, gastrointestinal, and urology. Integration of pathophysiology and the pharmacological management of common problems. Emphasis on advanced practice role development in care management discussions and supervised clinical practice. Clinical practice opportunities in a variety of settings are arranged with the course instructor. Spring. 104 clinical hours. Prerequisites: Nursing 330, 331 (may be taken concurrently), and 336 and consent of instructor. Current BCLS certification including the Heimlich maneuver; PALS certification highly recommended. Instructors: Blood-Siegfried and Lorimer. 4 credits.

323. Common Pediatric Management Issues II. Focus on comprehensive assessment and management of selected pediatric primary care problems. Includes information on acute and chronic illnesses, health maintenance issues, and recognition of circumstances that require interdisciplinary collaboration or referral within the areas of hematology, gynecology, neoplastic disorders, endocrinology, musculoskeletal disorders, neurology, emergency care, and HIV/AIDS. Integration of pathophysiology and the pharmacological management of common problems. Emphasis on advanced practice role development in care management discussions and supervised clinical practice. Clinical practice opportunities in a variety of settings are arranged with the instructor. Summer. 104 clinical hours. Prerequisites: Nursing 301, 322, 330, 331, and 336 and consent of the instructor. Current BCLS certification including the Heimlich maneuver; PALS certification highly recommended. Instructors: Blood-Siegfried and Lorimer. 4 credits.

330. Selected Topics in Advanced Pathophysiology. Focuses on developing advanced pathophysiological knowledge sufficient for understanding alterations in biological processes that affect the body's dynamic equilibrium or homeostasis. With this knowledge, students learn to differentiate normal from abnormal physiological function and to consider the causality of pathophysiological alterations in illness. Topics covered include the pathophysiology of common health problems and complex physiological alterations encountered in advanced clinical practice. Fall. Instructor: Karlet. 3 credits.

331. Clinical Pharmacology and Interventions for Advanced Nursing Practice. Combines lecture and case analyses to increase skills in assessment and pharmacological management of patients with a variety of common acute and chronic health problems. Data collection and diagnostic reasoning are emphasized in relation to drug

selection, patient/family education, monitoring, and evaluation of pharmacological interventions. Spring. Instructor: Bowers and Pleasants. 3 credits.

332. Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice. Combines lecture and laboratory experiences to develop advanced skills in assessment of physical, cognitive, nutritional, cultural, and functional domains. Practitioner-patient interactions, data collection, diagnostic reasoning, and oral and written presentation of data are emphasized. Consent of instructor required. Fall. Instructors: Denman and Adinolfi. 4 credits.

333. Managing Common Acute and Chronic Health Problems I. Emphasizes assisting adult patients to reach or maintain the highest level of health and functioning, with a focus on health promotion, health maintenance, and primary care management of common acute or chronic respiratory, cardiac, genitourinary, endocrine, dermatological, and musculoskeletal problems encountered by patients and families. Pharmacological management is systematically integrated. Clinical practice is in a variety of primary care settings including public and private, internal, and family medicine practices, and community health clinics. Advanced practice role development is examined in seminars and supervised clinical practice. Spring—104 clinical hours. Fall—Robert Wood Johnson Foundation program course only. Prerequisites: Nursing 330 and 332; prerequisite or concurrent: Nursing 331. Instructors: Brown and Bowers. 3 credits.

334. Managing Common Acute and Chronic Health Problems II. Emphasizes assisting adult patients to reach or maintain the highest level of health and functioning, with a focus on primary care management of common acute or chronic respiratory, cardiac, gastrointestinal, musculoskeletal, neurological, and mental health problems encountered by patients and families. Pharmacological management is systematically integrated. Clinical practice is in a variety of primary care settings including public and private, internal, and family medicine practices, and community health clinics. Advanced practice role development is examined in seminars and supervised clinical practice. Summer—104 clinical hours. Prerequisites: Nursing 330, 331, 332, and 333. Instructors: Adinolfi and Price. 3 credits.

336. Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice. Combines lecture and laboratory experiences to develop advanced skills in assessment of physical, cognitive, nutritional, cultural, and functional domains of pediatric patients ranging in age from newborn to adolescent. Practitioner-patient interactions, data collection, diagnostic reasoning, and oral and written presentation of data are emphasized. Consent of instructor required. Fall. Instructors: Bradshaw and Lorimer. 4 credits.

351. Scientific Writing. Provides a review of the principles and practice of scientific writing, with emphasis on research proposals, theses, other scientific papers, and articles for publication. Students are expected to complete a proposal for a thesis or a non-thesis option, an article, or other scientific work as part of the course. Fall. Instructor: Tornquist. 3 credits.

353. Advanced Physiology. Focuses on developing advanced knowledge for understanding normal human physiological phenomena with an emphasis on cellular and molecular mechanisms of homeostasis. Summer. Prerequisite: Bachelor of Science in Nursing or consent of instructor. Instructor: Karlet. 3 credits.

356. Ethics in Nursing. Focuses on the historical development of ethics in nursing, analysis of moral language, codes of ethics, frameworks for ethical decision making with case analysis, and strategies for discussion of ethics in nursing. Summer. Instructor: Staff. 3 credits.

357. Physiological Monitoring. Provides an in-depth understanding of selected invasive and noninvasive physiologic monitors used in clinical settings. Emphasis is placed on monitors used in intensive care. Content on the reliability, validity, sensitivity-

ty, stability, drift, and artifacts with respect to mechanisms of measurement assists students to interpret output. Highly recommended for students in acute care majors. Summer. Instructor: Turner. 2 credits.

359. Selected Topics or Independent Study. Students select a topic of professional interest within the specialty area or in support of the specialty area, to be studied with a faculty member. Specific objectives, evaluation method, and other requirements are determined prior to registering for the course of study. Consent of instructor required. 1 to 3 credits. Fall, spring, summer. Prerequisite: matriculation into nursing curriculum. Instructor: Staff. Variable credit.

400. Organizational Theory for Integrated Health Care Delivery Systems. Focuses on organizational behavior theory and research as the foundation for managerial and leadership interventions in integrated health care systems. Students learn how patient care system behaviors, structures, processes, and outcomes are affected by the actions of health system leaders. Fall. Instructors: Kennedy and Nevidjon. 3 credits.

401. Dynamics of Management. An in-depth analysis of organizational behavior and management practices within integrated health care systems. Students identify issues, formulate questions, and pursue managerial interventions that will result in high quality patient care and organizational outcomes that are socially relevant and clinically cost-effective. Spring. Prerequisite: Nursing 400 or consent of instructor. Instructor: Anderson. 3 credits.

402. Financial Management and Budget Planning. Designed for managers in complex organizations. Focuses on the knowledge and skills needed by the manager to plan, monitor, and evaluate budget and fiscal affairs for a defined unit or clinical division. Health care economics, personnel, and patient activities are analyzed from a budgetary and financial management perspective in an environment of regulations and market competition. Spring. Prerequisite: Nursing 303 suggested. Instructor: Zelman. 4 credits.

403. Synthesis of Clinical and Management Decision Making. Prepares health care leaders to be informed decision-makers. Students use information-processing techniques to synthesize the theoretical and practical components of strategic management and clinical gerontology. Using various organizational information systems, students will analyze administrative and clinical problems common in health care settings and design system level managerial and clinical interventions to resolve these problems. The course includes classroom, computer laboratory, and clinical leadership experiences. Fall. Prerequisite: Nursing 400, 401, 402, 480, 481 (may be taken concurrently), or by consent of instructor. Instructor: Anderson. 4 credits.

407. Leadership for Ethical Decision Making in Health Care. Applies ethical principles and decision-making models to complex healthcare organizations and administrative structures. Course content assists students to understand the relationships between the current state of patient care, organizational and administrative functions, and the complex issues involved in health care leadership. Research, ethical, social, cultural, economic, privacy/confidentiality, professional standards, and legal issues are discussed. Consent of instructor required. Spring. Instructor: Goodwin. 3 credits.

408. New Ventures in Health Care. Focuses on imparting personal, organizational, and/or economic value to an idea in the current health care environment. The conditions and actions necessary for successful entrepreneurial and/or intrapreneurial endeavors in a managed care environment will be examined. Consent of instructor required. Summer. Prerequisite: demonstrated computer competency. Instructor: Staff. 3 credits.

410. Informatics Issues in Nursing Systems. Focuses on the field of "nursing informatics" which combines nursing science, computer science, and information/decision science. Students examine issues in applying nursing informatics in complex health care organizations and administrative structures, and master problem-solving skills on selected issues. Research, ethical, social, cultural, economic, privacy/confidentiality, and

legal issues are included. Consent of instructor required. Summer. Prerequisites: Nursing 303. Instructor: Goodwin. 3 credits.

411. Nursing Informatics Theory and Application. Focuses on nursing informatics and examines both theoretical and practical issues for nursing. Students develop theoretical knowledge and technology skills through laboratory application of didactic content and a real world project involving systems analysis, information specification, and project management. Consent of instructor required. Fall. Prerequisites: Nursing 303 and 410. Instructor: Goodwin. 3 credits.

418. Nursing Informatics Residency. Builds the student's knowledge and experience in nursing informatics within the context of advanced nursing practice. Students develop independent problem-solving skills in the synthesis of advanced practice nursing and informatics under the guidance and mentorship of a practicing informatics specialist (preceptor). Consent of instructor required. 3 to 9 credits. Spring. Minimum 156 residency hours. Prerequisites: Nursing 410 and 411. Instructor: Goodwin. Variable credit.

419. Leadership Residency. Provides the student an opportunity to develop beginning competence in the role of nurse manager/administrator/executive under the guidance of a preceptor. Emphasis on incorporation of clinical and business skills into the role of health systems leader in an integrated health care delivery system. Students make a comprehensive assessment of the organizational setting and design strategies for agenda setting, network building, problem resolution, and outcome attainment. Experiential learning is emphasized. Summer. Requires 156 residency hours. Prerequisites: Nursing 301, 303, 307, 308, 400, 401, 402, and/or consent of instructor. Instructor: Nevidjon. 4 credits.

420. Managing Acute and Chronic Health Conditions in the Newborn I. Comprehensive assessment and management of the newborn from birth through hospitalization and discharge. Course content includes anatomical, pathophysiological, and pharmacological management of the newborn with a focus on high-risk delivery, transport, and cardiorespiratory alterations. Integration of the newborn into the family is an overarching theme. Clinical practice opportunities in a variety of settings. Spring. 104 clinical hours. Prerequisite: Nursing 336. Instructor: Bradshaw, Brandon, and staff. 4 credits.

421. Managing Acute and Chronic Health Conditions in the Newborn II. Comprehensive assessment and management of the newborn infant during hospitalization. Course includes anatomical, pathophysiological, and pharmacological management of the newborn with varying conditions. Advanced practice role development is emphasized. Clinical practice opportunities in a variety of settings. Summer. 104 clinical hours. Prerequisite: Nursing 420. Instructors: Bradshaw and Brandon. 4 credits.

423. Nurse Practitioner Residency: Neonatal. Focuses on the synthesis of theory and clinical management skills for the neonatal nurse practitioner within a collaborative model of practice in Level I, II, and III newborn units as well as follow-up clinics and transport. 4 to 6 credits. Fall, spring, summer. 400 to 600 residency hours. Prerequisites: Nursing 320, 321, 336, 420, 421, and 430. Instructor: Turner. Variable credit.

424. Clinical Nurse Specialist Residency: Neonatal. Focuses on the synthesis of theory and clinical skills for the clinical nurse specialist within a collaborative practice. Emphasis is placed on education, consultation, research, and clinical practice. 1 to 3 credits. Fall, spring, summer. 100 to 300 residency hours. Prerequisites: Nursing 320, 321, 336, 420, 421, and 430. Instructors: Brandon. Variable credit.

426. Managing Acute and Chronic Health Conditions in Children I. Focuses on the pathophysiological mechanisms, clinical decision making, and treatment modalities in managing health problems seen in acutely, intensively, and chronically ill pediatric patients in the hospital, home, or long-term care facility. Integration of the family into the health care plan is an overarching theme. Primary care issues such as immunization

and minor illness and health promotion are emphasized. Students have clinical rotations in a variety of settings. Fall. 104 clinical hours. Prerequisites: Nursing 320, 321, and 336. Instructor: Cameron. 4 credits.

427. Managing Acute and Chronic Health Conditions in Children II. Addresses the complex management issues with critically, chronically, and acutely ill children cared for in hospitals, the home, or long-term facilities. Complex technology used in the management of pediatric patients is integrated into the course. The role of the family in the child's illness and developmentally appropriate care are emphasized. Spring. 104 clinical hours. Prerequisites: Nursing 320, 321, and 336. Instructors: Cameron and staff. 4 credits.

428. Nurse Practitioner Residency: Pediatric Acute Care. Provides the students an opportunity to synthesize theory and clinical management skills in the management of acutely and intensively ill pediatric patients in a collaborative model of practice. Residency sites and preceptors are individually arranged based on the needs of the students and availability of clinical sites. The emerging role of nurse practitioners in tertiary care settings is discussed. Consent of instructor required. 2 to 4 credits. Fall, spring, summer. 200 to 400 residency hours. Prerequisites Nursing 320, 321, 336, 426, 427, and 430. Instructor: Cameron. Variable credit.

430. Issues in Infant and Young Child Development. The discussion of important issues related to health maintenance and of complex medical and social problems in the first five years of life. Normal cognitive, motor, social/emotional, and language development, and the usual developmental challenges of each age group are addressed. Spring. Prerequisite: Nursing 336 or consent of instructor. Instructor: Blood-Siegfried. 3 credits.

431. Issues in School Age Child and Adolescent Development. The discussion of important issues related to health maintenance and of complex medical and social problems in children from school age through adolescence. Normal cognitive, motor, social/emotional, and language development, and the usual developmental challenges of each age group are discussed. Summer. Prerequisites: Nursing 336 and 430 or consent of instructor. Instructor: Blood-Siegfried. 3 credits.

438. Clinical Nurse Specialist Residency: Pediatrics. Supervised clinical practicum exploring the role of the clinical nurse specialist in a pediatric setting of the student's choice. Fall, spring, summer. Minimum 300 clinical hours. Prerequisites: Nursing 330, 331, 336, 430, and 431 (may be taken concurrently). Instructors: Blood-Siegfried and Lorimer. 3 credits.

439. Nurse Practitioner Residency: Pediatrics. Supervised clinical practice which allows opportunities for practice as a pediatric nurse practitioner. 1 to 4 credits. Fall, spring, summer. 100 to 400 residency hours. Prerequisites: Nursing 322, 323, 330, 331, 336, 430, and 431. Instructors: Blood-Siegfried and Lorimer. Variable credit.

440. Well Child Physical and Developmental Assessment for Family Nurse Practitioners. Focuses on the physical and developmental assessment of well children from infancy through adolescence. Lectures and course assignments are designed to increase assessment skills needed in the care of children in the primary care setting. The newborn nursery, developmental evaluation centers, schools, clinical facilities that treat pediatric patients, and daycare centers are used as settings to increase pediatric assessment skills. Summer. Prerequisites: Nursing 330, 331, 333, 334, and 336. Instructors: Bradshaw, Friedman, and Linbeck. 1 credit.

441. Child Health in Family Care. Focuses on children from infancy through adolescence within the contextual frameworks of family, school, and community. The course addresses growth and development, health maintenance, and anticipatory guidance needs of various age groups. The role of the family nurse practitioner in the management of common primary health care problems of children is emphasized. Clinical

practice is in primary care settings that serve children: public health departments, school-based clinics, public and private family and pediatric practice sites, and rural/urban community health clinics. Fall. 104 clinical hours. Prerequisites: Nursing 330, 331, 332, 333, 334, and 440. Instructors: Blood-Siegfried and staff. 4 credits.

442. Sexual and Reproductive Health. Focuses on women and men from adolescence through maturity within the context of their sexual and reproductive development. Module I will cover prenatal and postnatal care. Module II will cover preconceptual health, family planning, sexually transmitted diseases, and sexual health of special populations. Module III will cover adult reproductive problems and changes in sexual health of men and women related to aging. The clinical practice component is in primary care settings that serve women and men at different points in the sexual and reproductive continuum. 1 to 4 credits. Fall, spring. Family nurse practitioner majors have 104 hours of direct patient care. Prerequisites: for family nurse practitioner majors: Nursing 330, 331, 332, 333, and 334; for other majors: Nursing 332. Instructors: Friedman and Price. Variable credit.

449. Nurse Practitioner Residency: Family. Supervised practice in family primary care nursing. Management of common acute and chronic illnesses of patients across the life span. Development of the domains and competencies of nurse practitioner practice in family health care settings. Intense clinical practice under the mentorship of experienced clinicians including performing health assessments; ordering, performing, and interpreting diagnostic tests; determining a plan of care for patients and families; collaborating with the health care team; and referring patients to other health care providers. Seminars encourage the synthesis of clinical learning and the transition to the role of family nurse practitioner. 1 to 4 credits. Fall, spring, summer. 100 to 400 residency hours. Prerequisites: Nursing 330, 331, 332, 333, 334, 440, 441, and 442. Instructor: Friedman. Variable credit.

450. Management of Critically Ill Adult Patients I. Focuses on pathophysiological mechanisms (cardiovascular, pulmonary, and hepatic), clinical decision making, and treatment modalities for managing common problems seen in acutely/critically ill patients. Integration of technological aspects of care is emphasized in both the didactic and clinical components. Fall. 104 clinical hours. Prerequisites: Nursing 330, 331, 332, 333, and 334. Instructors: Cheek, Harshaw-Ellis, and McFetridge. 3-4 credits.

451. Management of Critically Ill Adult Patients II. Focuses on pathophysiological mechanisms (neurologic, endocrine, abdominal, trauma), clinical decision making, and treatment modalities for the management of health problems seen in acutely/critically ill patients. Consent of instructor required. Spring. 104 clinical hours. Prerequisites: Nursing 330, 331, 332, 333, 334, 442, and 450. Instructors: Cheek, Harshaw-Ellis, and McFetridge. 3-4 credits.

457. Critical Care Clinical Nurse Specialist Residency. Focuses on the synthesis of research, theory, and clinical management skills in the care of adults in acute/critical care settings. Uses a collaborative practice model in delivering education, consultation, case management, research, and administrative issues in the acute/critical care unit. Sites and preceptors are individually arranged based on the needs of students. Fall, spring, summer. Prerequisites: Nursing 330, 331, 332, 333, 334, 450, and 451. Instructor: Cheek. 3 credits.

458. Nurse Practitioner Residency: Adult Acute Care. Focuses on the synthesis of theory and clinical management skills with implementation of the acute care nurse practitioner role in a collaborative model of practice. Consent of instructor required. 1 to 3 credits. Fall, spring, summer. 100-300 residency hours. Minimum 300 residency hours for ACNP. Prerequisites: Nursing 330, 331, 332, 333, 334, 442, 450, and 451. Instructors: Cheek, Harshaw-Ellis, and McFetridge. Variable credit.

459. Nurse Practitioner Residency: Adult Primary Care. Supervised practice in

adult primary care nursing. Management of common acute and chronic illnesses of adult patients. Development of the domains and competencies of nurse practitioner practice in primary care settings. Intense clinical practice under the mentorship of experienced clinicians including performing health assessments; ordering, performing, and interpreting diagnostic tests; determining a plan of care for patients and families; collaborating with the health care team; and referring patients to other health care providers. Seminars encourage the synthesis of clinical learning and the transition to the role of adult nurse practitioner. 1 to 3 credits. Fall, spring, summer. 100 to 300 residency hours. Prerequisites: Nursing 330, 331, 332, 333, 334, and 442. Instructors: Adinolfi and Friedman. Variable credit.

460. Advanced Management of Patients with Cardiovascular Diseases. Focuses on the pathophysiology and management of patients with major cardiovascular disorders. Content includes diagnostic and treatment options, recovery of patients following major cardiac events, symptom management during chronic illness, and prevention of disease. Students also obtain skill in ECG interpretation and cardiac physical exam. Fall. Prerequisites: Nursing 330, 332, and 334; concurrent: Nursing 331 and 333. Instructors: Bowers and McFetridge. 3 credits.

461. Care Management of Patients with Selected Cardiovascular Illnesses. Provides the student with supervised experience in care management of adult patients with selected cardiovascular illnesses in a variety of clinical settings. Students use the knowledge and critical thinking skills developed in Nursing 460 in patient evaluations and care management. Weekly seminars focus on paradigm cases from clinical practice and provide students opportunities for experience in making case presentations. Spring. 104 clinical hours. Prerequisites: Nursing 330, 331, 332, 333, 334, and 460. Instructors: Bowers and McFetridge. 4 credits.

469. Nurse Practitioner Residency: Adult Cardiovascular. Provides the student with supervised practice as a nurse practitioner. Clinical experiences focus on the management of common acute and chronic illness through transitions in care. Emphasis is on development of the domains and competencies of nurse practitioner practice in the care of cardiovascular patients. Consent of instructor required. 1 to 4 credits. Fall. 100 to 400 residency hours. Prerequisites: Nursing 330, 331, 332, 333, 334, 460, and 461. Instructors: Cheek, Harshaw-Ellis, and McFetridge. Variable credit.

470. Oncology/HIV AIDS Nursing I: Epidemiology and Pathophysiology. Focuses on the epidemiology, pathophysiology, and biobehavioral aspects of cancer/HIV AIDS across the adult years. Major topics include cancer physiology, prevention, detection, role of the immune system, treatment, and responses to cancer/HIV AIDS. Spring. Instructor: Schneider. 3 credits.

471. Oncology/HIV AIDS Nursing II: Symptom and Problem Management. Provides the student with a broad framework for coordinating the domains and competencies of advanced practice roles in adult oncology/HIV AIDS nursing. The Oncology Nursing Society (ONS) Guidelines for Advanced Oncology Nursing Practice and Competencies in Advanced Practice Oncology Nursing, including HIV/AIDS and rehabilitation, serve as a framework for examination of problems and symptom management in patients. Case management and case studies are used to explore clinical problems. Summer. 104 clinical hours. Prerequisite: Nursing 470. Instructor: Schneider. 3 credits.

472. HIV Concepts and Management. Provides the basic concepts of human immunodeficiency virus (HIV) epidemiology, pathophysiology, management, and traditional and complementary approaches to care. Consent of instructor required. Summer. Instructor: Adinolfi. 3 credits.

478. Clinical Nurse Specialist Residency: Oncology. Provides the student with supervised practice as a clinical nurse specialist in a specialized area of interest including

ambulatory/clinic care, inpatient care, bone marrow transplant care, community/preventive care, home or hospice care, and care of persons with HIV and AIDS. Case management, care maps, case studies, and ONS Guidelines for Oncology Nursing Practice serve as frameworks for the practicum and seminars. 2 to 4 credits. Fall, spring, summer. 200 to 400 residency hours. Prerequisites: Nursing 330, 331, 332, 470, and 471. Instructor: Schneider. Variable credit.

479. Nurse Practitioner Residency: Adult Oncology/HIV AIDS. Supervised practice in adult oncology nursing. Management of the care of patients with cancer/HIV AIDS in ambulatory and inpatient settings. Development of the domains and competencies of nurse practitioner practice in oncology settings. Intense clinical practice under the mentorship of experienced clinicians including performing health assessments; ordering, performing, and interpreting diagnostic tests; determining a plan of care for patients and families; collaborating with the health care team; and referring patients to other health care providers. Seminars encourage the synthesis of clinical learning and the transition to the role of adult nurse practitioner. 1 to 3 credits. Fall, spring, summer. 100 to 300 residency hours. Prerequisites: Nursing 330, 331, 332, 333, 334, 442, 470, and 471. Instructor: Schneider. Variable credit.

480. Social Issues, Health, and Illness in the Aged Years. Examines diversity in development and adaptation to environmental, social, psychological, and biological changes. Theories of aging, health and aging, intimacy and sexuality, rural-urban health care patterns, minority health care patterns, demographic trends, and death, dying, and loss are discussed. Spring. Instructor: McConnell. 3 credits.

481. Managing Care of the Frail Elderly. Emphasizes assessment, rehabilitation, and management of complex problems of elders who reside in community and institutional settings. Research projects and innovative care strategies are explored. Organizational and managerial effectiveness and consultative roles of the geriatric nurse practitioner/clinical nurse specialist are examined. Fall. 104 clinical hours. Prerequisites: Nursing 330, 331, 332, 333, and 334. Instructors: McConnell and Ouimette. 4 credits.

489. Nurse Practitioner Residency: Gerontology. Supervised practice as a nurse practitioner in gerontological nursing. Management of common acute and chronic illnesses of the elderly. Development of the domains and competencies of nurse practitioner practice in geriatric care settings. Intense clinical practice under the mentorship of experienced clinicians including performing health assessments; ordering, performing, and interpreting diagnostic tests; determining a plan of care for patients and families; collaborating with the health care team; and referral of patients to other health care providers. Seminars encourage the synthesis of clinical learning and the transition to the role of gerontological nurse practitioner. 1 to 3 credits. Fall, spring, summer. 100 to 300 residency hours. Prerequisites: Nursing 330, 331, 332, 333, 334, 442, 480, and 481. Instructor: Ouimette. Variable credit.

490. Clinical Research Management: Trials Management. Focuses on the overall management of Phase I, II, and III clinical trials in industry, academia, and government settings. Emphasis is placed on development, initiation, and execution of clinical trials. Course content includes intensive training in the processes involved in site evaluation and selection, preparation for investigator meetings, site initiation, site management, clinical research monitoring, auditing and compliance practices, clinical research management tracking and reporting systems, adverse event reporting, data safety review boards, data management, site termination, and clinical trial material. Fall, spring. Instructors: Dren and Turner. 4 credits.

491. Clinical Research Management: Business and Financial Practices. Familiarizes the student with the drug, device, and biologic development industry as a business.

The overarching framework is the organizational structure, processes, procedures, and legal and ethical standards common to the industry. Integral to the course is the development/refinement of critical thinking skills with respect to problem solving real life actual and potential problems arising out of drug development. Knowledge of contracts, business ethics, cultural differences, and legal issues will be stressed. Spring, summer. Instructors: Dren and Turner. 4 credits.

492. Clinical Research Management: Regulatory Affairs. Provides the student with an overview of the FDA and regulatory requirements in the drug development process. In-depth content includes: the development and submission of Investigational New Drug Applications, New Drug Applications, Biological License Applications, Orphan Drug Applications; biomedical auditing and compliance; MedWatch and Safety reports; Phase-IV studies and Post Marketing Surveillance; and International Harmonization Guidelines for multinational pharmaceutical development projects. Fall, summer. Instructors: Dren and Turner. 4 credits.

499. Clinical Research Management: Residency. Focuses on the synthesis and integration of previous course work in clinical research management applied in research settings. Students spend rotations in industry, academia, or government setting gaining skills and experience working as an integral member of a project team on clinical product development research projects. 1 to 4 credits. Fall, spring, summer. 300 residency hours. Instructors: Dren and Turner. Variable credit.

500. Introduction to Parish Nursing. Provides a basic introduction to the fundamentals of parish nursing ministry. Students are introduced to an overview of the various roles filled by the parish nurse: health educator, health counselor, referral agent, coordinator, facilitator, advocator, and supporter. Fall. Also taught as Health and Nursing Ministries 11. Instructors: Ouimette and Beard (Divinity). 1 credit.

501. Parish Nursing II. Building upon the principles of Introduction to Parish Nursing, students in Parish Nursing II begin to implement the aspects of basic parish nursing within the context of a faith community. This course provides opportunities for discussion and exploration of parish nursing as both a ministry of the church and a subspecialty of professional nursing. 50 hours field experience. Spring. Prerequisite: Nursing 500. Also taught as Health and Nursing Ministries 12. Instructors: Ouimette and Meador (Divinity). 1 credit.

502. Health Promotion and Disease Prevention. Provides the student the opportunity to incorporate health promotion and disease prevention assessment and intervention into the health of clients across the life span. Applying the principles of health education, the course prepares students to use the tools and skills necessary to provide health promotion and disease prevention services to individuals, families, groups, and communities. The definition of health and the factors that impact an individual's or group's health framework is the basis for understanding health maintenance interventions. Summer. Instructors: Friedman and Price. 3 credits.

503. Health and Nursing Ministries Field Experience. Provides the student with opportunity to implement the nursing component of health ministry within a faith community. The student integrates the theological dimensions of faith while utilizing skills in individual and group assessment, principles of health education, and program planning and evaluation. Students have the opportunity to develop a continuity relationship within a specific faith community. The field experience includes 300 hours over three semesters with weekly seminars. Fall, spring, summer. Prerequisites: Nursing 500 and 501. Also taught as Health and Nursing Ministries 200. Instructors: Ouimette and Meador (Divinity). 3 credits.

504. Seminar on Care at the End of Life: Suffering and Dying Well. Students examine contemporary efforts to recover the ancient practice of *ars moriendi*, the "art of dying." Students examine the phenomena of chronic illness, suffering, and dying from a

variety of historical, biblical, theological, medical-physiological, and psychosocial perspectives. Students also examine contemporary modalities of care for persons at the end of life, including tertiary palliative care, the hospice movement, and ancillary "death with dignity" organizations. Course goals include developing the student's ability to imagine ways of caring for individuals with chronic and terminal illness. Fall. Also taught as Health and Nursing Ministries 290. Instructors: Ouimette and Meador (Divinity). 3 credits.

509. Seminar in Health and Nursing Ministries. Students work toward the development of a philosophy of parish-based health care grounded in the core practices and the corresponding central theological commitments of their respective religious communities. Under the leadership of faculty from both the School of Nursing and the Divinity School, students analyze contemporary theories and practices of health care; particular attention given to the complex relationship between faith and health. Fall. Also taught as Health and Nursing Ministries 300. Instructors: Ouimette and Meador (Divinity). 3 credits.

512. Pharmacology of Anesthetic Agents. Addresses uptake, distribution, biotransformation, and excretion of intravenous, local, and inhalation anesthetics, neuromuscular blocking agents and adjunctive medications used in anesthesia practice. Emphasis is given to mechanisms of drug action, drug effects, factors modifying drug dosage, and adverse responses. Consent of instructor required. Spring. Instructor: Karlet. 4 credits.

513. Basic Principles of Anesthesia. Focuses on basic principles of comprehensive perioperative patient assessment, operating room preparation, interpretation of preoperative data, diagnostic reasoning, and perioperative documentation. The anesthesia machine and adjunct equipment, airway management, positioning, infection control, and basic concepts of anesthetic administration are also presented. Consent of instructor required. Spring. Instructor: Temo. 2 credits.

515. Chemistry and Physics Related to Anesthesia. Investigates the principles of chemistry and physics as applied to anesthesia care, operation of equipment, and operating room safety. Biomedical instrumentation pertinent to anesthesia patient care is described. Consent of instructor required. Summer. Instructor: Karlet. 3 credits.

517. Advanced Principles of Anesthesia I. Addresses anesthetic principles associated with specific specialty procedures and management of patients with special problems. Advanced airway management techniques are taught. Principles and anesthetic management for orthopedic, abdominal, outpatient, gynecology, EENT, and genitourinary procedures are presented. Specific anesthetic considerations and management principles for pediatric and geriatric populations are presented. Consent of instructor required. Summer. Instructor: Temo. 2 credits.

518. Advanced Principles of Anesthesia II. Addresses anesthetic principles associated with specific specialty procedures and management of patients with special problems. Principles and anesthetic management for transplants, obstetric, plastic, burns, cardiovascular, thoracic, neurosurgical, and trauma procedures are presented. Use of advanced physiologic monitoring during anesthetic management is addressed. Consent of instructor required. Fall. Instructor: Temo. 2 credits.

519. Advanced Principles of Anesthesia III. Focuses on nurse anesthesia scope of practice, economics of a small anesthesia department, and quality management issues specific to the rural setting. The role of hospital and governmental regulatory agencies is discussed. Pharmacological, anatomical, and technical considerations for the administration and management of selected regional blocks for anesthesia and perioperative pain control is emphasized. Consent of instructor required. Spring. Instructor: Temo. 2 credits.

521. Advanced Pathophysiology for Nurse Anesthetists I. Describes the underlying

ing pathophysiology of selected conditions affecting the cardiovascular, respiratory, musculoskeletal, and renal systems. Implications and effects that various disease states have on anesthesia selection and perioperative management are highlighted. Consent of instructor required. Spring. Instructor: Karlet. 3 credits.

522. Advanced Pathophysiology for Nurse Anesthetists II. Describes the underlying pathophysiology of selected conditions affecting the neurological, hematological, gastrointestinal, endocrine, and immunological systems. Implications and effects that various disease states have on anesthesia selection and perioperative management are highlighted. Consent of instructor required. Summer. Instructor: Karlet. 2 credits.

526. Professional Aspects of Nurse Anesthesia Practice. Analysis of nurse anesthesia professional associations and councils, legal aspects governing nurse anesthesia practice, hospital and governmental regulator agencies, nurse anesthesia scope of practice, the impaired practitioner, and ethical and professional considerations relating to the nurse anesthesia profession. Consent of instructor required. Fall. Instructor: Staff. 3 credits.

529. Clinical Anesthesia Practicum. Graduated, guided instruction in the clinical management of patients receiving various types of anesthesia. Selected topics, journal articles, and case reports are presented, critically analyzed, and discussed by presenters and participants once a week at a clinical and literature review conference. Students must complete five rotations to meet degree requirements. It is expected that students will continue clinical rotations through university-designated break periods, for example, Spring break. Three days/week. Consent of instructor required. Fall, spring, summer. Instructor: Staff. 1 credit.

531. Medical Spanish and Cultural Competency for Health Care–Beginner Level I. Conversationally focused language course designed to develop beginning cultural competency and beginning language skills in medically focused Spanish language. The course is appropriate for anyone who works in the health care field and wants to acquire a basic level of medical Spanish. Conversational Spanish as spoken in Latin America is emphasized. Aspects of Latin American culture, especially those most pertinent to health care, are included in each lesson. Fall, spring, summer. Instructor: Denman. 1 credit.

532. Medical Spanish and Cultural Competency for Health Care–Beginner Level II. Conversationally focused language course designed to build on the beginning cultural competency and beginning language skills from medically focused Spanish language acquired in Beginner Level I. The course is appropriate for anyone who works in the health care field, has previous background in basic Spanish, and wants to acquire more skill in medical Spanish. Conversational Spanish as spoken in Latin America is emphasized. Aspects of Latin American culture, especially those most pertinent to health care, are included in each lesson. Fall, spring, summer. Instructor: Denman. 1 credit.

533. Medical Spanish and Cultural Competency for Health Care–Intermediate Level I. Conversationally focused language course designed to build on the cultural competency and language skills from medically focused Spanish language acquired in Beginner Level II. The course is appropriate for anyone who works in the health care field, has completed two or more courses in basic Spanish, and wants to acquire more skill in medical Spanish. Conversational Spanish as spoken in Latin America is emphasized. The class is conducted as much as possible in Spanish, and students are expected to have mastered the content in Nursing 531 and Nursing 532. Aspects of Latin American culture, especially those most pertinent to health care, are included in each lesson. Prerequisite: Nursing 531, 532, advanced basic Spanish, or consent of instructor, (Medical vocabulary is not a prerequisite.) Fall, spring, summer. Instructor: Denman. 1 credit.

534. Medical Spanish and Cultural Competency for Health Care–Intermediate Level II. Conversationally focused language course designed to develop advanced lan-

guage skills in medically focused Spanish. The course is appropriate for anyone who works in the health care field, has already progressed in Spanish language to an intermediate level, and wants to advance their Spanish language skills toward fluency. Conversational Spanish as spoken in Latin America is emphasized, and the class is conducted almost entirely in Spanish. Aspects of Latin American culture, especially those most pertinent to health care, are included in each lesson. Prerequisites: Nursing 533, intermediate Spanish, or consent of instructor. (Medical vocabulary is not a prerequisite.) Fall, spring, summer. Instructor: Denman. 1 credit.

Financial Aid



Financial Aid

In today's economy, many students not only find it necessary to work while attending graduate school, but often seek financial assistance in the form of scholarships and loans. Most of our academic programs accommodate both part-time and full-time students and courses are typically scheduled to meet one day per week. Financial aid counseling and resources are available for both prospective and matriculated students of the School of Nursing. The application procedures for scholarships, traineeships, and loans are outlined below.

Application. General information about scholarships and financial aid will be included in the application packet. A prospective student who desires to be considered for financial aid (traineeships, scholarships, or loans) should indicate this on the application form for admission. All decisions regarding financial aid awards will be made in writing directly to the student. Applications for the Free Application for Federal Student Aid (FAFSA) can be made directly online to the FAFSA administration through the School of Nursing's web site: <http://www.nursing.duke.edu>. Applications may also be obtained from the School of Nursing.

Student Budget. A student budget is established as a basis for evaluating financial need. This includes tuition, based on full-time enrollment for a 12-month period, required fees and health insurance, room and board, books, miscellaneous educational needs and modest personal expenses. If a student is enrolled in part-time study, the budget is prorated. No allowance is made for car payments, time payments on personal purchases, appliances, or other consumer debts. In no case will financial aid, combined with the student's financial resources, exceed the School's approved student budget.

Adjustments to Aid Award. At any time after the financial aid application has been submitted, or an award made, upward adjustment may be made by the School if a student's estimated resources cease to exist or fail to materialize. Similarly, if a student receives funds that were not anticipated at the time of application, the financial aid award will be reduced accordingly.

Duke Employee Educational Assistance and Patient Care Services Reimbursement. For students who have become Duke University Patient Care Services employees, there are added benefits after an initial probationary period. Duke University and the Department of Patient Care Services at Duke University Medical Center provide this opportunity as part of a commitment to excellence in advanced nursing preparation.

Current benefits for all full-time Duke employees (30 hours or more per week) who have worked continuously for at least one year are eligible for 50 percent tuition reduction towards non-degree study and for two or more years are eligible for 80percent tuition reduction towards degree study. For more information, call the School of Nursing Office of Admissions and Student Services at 919-684-4248 and/or the Office of Nurse Recruitment at the Duke University Medical Center at 919-684-6339.

School of Nursing Scholarships

Two types of scholarships are awarded to degree or post-master's certificate students by the Duke University School of Nursing: Merit Scholarships and Need-based Scholarships. School of Nursing Scholarships are not awarded to non-degree or special students.

Merit Scholarships are awarded on a competitive basis to outstanding degree or post-master's certificate applicants who meet the eligibility criteria. These scholarships are awarded to entering students during their first semester as a degree or certificate student. Once awarded, the scholarship covers a fixed percentage of tuition costs for the student's entire program of study (provided the student remains in good standing). Merit Scholarship applications are part of the application packet. Applications may also be obtained from the Office of Admissions and Student Services before the application deadline date for the appropriate semester in which the student seeks admission as a degree or post-master's certificate candidate (e.g. March 1 for Summer and Fall semesters; October 1 for Spring semester).

Need-based Scholarships are awarded to degree or post-master's certificate students who have demonstrated need for financial assistance. Students are first required to submit the Free Application for Federal Student Aid (FAFSA). The report generated from the FAFSA is used to establish eligibility for Need-based Scholarships and loans (see section on Loans). Unlike Merit applications, Need-based Scholarships may be applied for at any time. Once awarded, the scholarships cover a fixed percentage of tuition costs for the student's entire program of study, provided the student remains in good standing and provided the student's financial status has not changed. Students are expected to notify the School of Nursing Financial Aid Officer in the Office of Admissions and Student Services if the student's financial circumstances change and the Need-based Scholarship requires adjustment.

Sources of School of Nursing Scholarships. The School of Nursing receives scholarship funds from a variety of sources and benefactors. These sources are listed below. However, all scholarship funds are "pooled" to ensure student scholarships can be funded for the duration of the student's eligibility. When a student applies for a School of Nursing scholarship, he/she is applying for and is considered for all scholarships in the "pool" for which they qualify. They need not apply for a specific scholarship fund. The "pool" approach ensures that the student will continue to receive scholarship funding regardless of the fund balance in any particular scholarship fund.

Allen Family Nursing Scholarship. This endowed scholarship fund was given to the School by Mr. and Mrs. Fred Allen in honor of their daughter-in-law, Mrs. James H. Allen (Ruth Register), a 1958 graduate of the Duke School of Nursing. This scholarship provides assistance to worthy students based on merit as well as financial need.

Margaret Castleberry and William Frank Malone Scholarship. This endowed scholarship was established by Colonel William Frank Malone as a memorial to his wife, Margaret Castleberry Malone, a Duke University School of Nursing alumna, to provide assistance to students in the graduate nursing program, giving consideration to the greatest need.

Laurel Chadwick Gerontological Nursing Scholarship. This fund was established by Harry (T 1950, L 1953) and Laurel (B.S. - NED 1953) Chadwick to recognize the Chadwicks' long standing interest in the school. Laurel Chadwick has had a life-long career in and commitment to care of the elderly, including administering long-term care facilities and rehabilitation centers. She has served on the School of Nursing Advisory Board since 1996 and has had a particular interest in working with the faculty on issues related to gerontological nursing. Awards from this fund are made to students in the Gerontological Nurse Practitioner specialty based on merit and financial need.

Class of 1954 Scholarship— This fund was established in 1998 by members of the Nursing class of 1954 on the occasion of their 45th reunion. The fund will benefit students based on need.

The Nancy Swan Coll and Peter Coll Scholarship - This fund was established in 1998. Nancy is a valuable member of the School of Nursing Advisory Board, and a member of the nursing class of 1968. Nancy's husband Peter and their daughter are graduates of Duke. The fund will benefit nursing students based on need and merit.

Duke Medical School Faculty Wives Scholarship. With proceeds from the Nearly New Shoppe, the Duke Medical School Faculty Wives established a scholarship endowment fund to benefit students in the School of Nursing. Scholarship awards are based on merit and need.

The Bonnie Jones Friedman Endowed Humanitarian Award - This fund was established in 2000 in the honor of School of Nursing faculty member Bonnie Jones Friedman Ph.D. by a group of anonymous friends. Dr. Friedman is credited with spearheading the Duke School of Nursing's linkage with the Southern Regional Area Health Education Center (SRAHEC) that has ultimately led to the development of this school's distance learning educational programs. Each year a student will be selected by the faculty to receive this award. The funds can be used by students to offset educational expenses incurred other than tuition.

Ann Henshaw Gardiner Scholarship. This scholarship was established by the bequest of Miss Gardiner who was the first full-time faculty member of the Duke University School of Nursing. Scholarships are awarded to students based on scholastic achievement and financial need.

William Randolph Hearst Nursing Scholarship. The annual income from this scholarship provides merit scholarships for students enrolled in the oncology and family nurse practitioner programs.

The Anna L. Hoyns Memorial Scholarship. The endowment for this scholarship was given to the School by Lucille H. Sherman, Forest Hills Gardens, New York, in memory of her mother, Anna L. Hoyns, to be awarded to deserving students.

Marla Vreeland Jordan Scholarship. This fund was established in 1993 under the will of Ervin R. Vreeland in memory of his daughter, Marla, who graduated in 1960 with a BSN degree.

The Kaiser Permanente Endowed Scholarship. - This fund was established at the School of Nursing in 1998. Awards from this fund are made to worthy students based on need.

Helga and Ery W. Kehaya Nursing Scholarship. The endowment for this scholarship was given to the School by Helga and Ery W. Kehaya of Tequesta, Florida, in appreciation of the excellent nursing care provided at Duke University Medical Center. Awards are made to worthy students.

Mary King Kneedler Scholarship. Mary Kneedler (BSN 1936) established this fund to honor her experiences as a Duke nursing student and recognize the importance of educating advanced practice nurses. Scholarships are awarded to students based on scholastic achievement and financial need.

Herman and Rose Krebs Scholarship. This fund was established by Ralph Snyderman, M.D., chancellor of Health Affairs at Duke University Medical Center; his wife Judith Snyderman, R.N.; Judith's mother Rose Krebs; Judith's sister Laura Krebs Gordon and brother David Krebs in honor of Judith Krebs Snyderman's mother and in memory of her father. They chose to establish this fund to support nursing students because they firmly believe that the School of Nursing is uniquely positioned to shape the future of nursing and to prepare a new generation of nursing leaders. Scholarships from this fund will be awarded to worthy students based on merit as well as financial need.

The Linda Odom Scholarship— This fund was established in 2000 by classmates, other friends, and family of Linda Odom Cook in her memory. Linda was a graduate of the class of 1963 and a Duke Hospital and Duke Clinic nurse throughout her career. The fund will benefit students based on merit and need.

School of Nursing Loyalty Scholarship. The alumni of the Duke University School of Nursing established this fund in recognition of the School's outstanding program. Awards are made to worthy students based on need.

School of Nursing Student Aid Scholarship. This fund was established to provide scholarships to students based on need.

Marian Sanford Sealy Scholarship. This fund was established as a memorial to Mrs. Sealy by the Durham-Orange County Medical Auxiliary of Durham, North Carolina. Mrs. Sealy was a student at the Duke University School of Nursing from October 1936 to September 1939. She was a staff nurse at Duke Hospital and the wife of Dr. Will C. Sealy, Professor of Thoracic Surgery at Duke University Medical Center. Awards are made to students based on merit.

The Virginia Stone Scholarship. This fund was established in June of 1994 in honor of the late Virginia Stone, Professor Emerita of Nursing. Dr. Stone was the chair of this country's first master's program in nursing to offer a major in gerontology. She gained a reputation for demanding, expecting, and supporting excellence from others as they pursued academic and clinical challenges. In 1999 the fund was added to by the Dr. Scholl Foundation. Awards from this fund are made to worthy students based on merit as well as financial need.

Teagle Nursing Scholarship. This scholarship was established by The Teagle Foundation, Inc. to support students pursuing the master's degree in Health Systems Leadership and Outcomes.

Emmy Lou Tompkins Scholarship. This fund was established by Emmy Lou Morton Tompkins (Duke University Class of 1936) in appreciation of the education received by her daughter, Boydie C. Girimont, who graduated from the Duke University School of Nursing in 1962. Scholarship awards are based on scholastic achievement.

The Barbara Turner Scholarship. This fund was established by Mr. George H. Turner, III in honor of his wife Dr. Barbara S. Turner as a gift to her on the occasion of their 27th wedding anniversary. This endowment honors and supports the continued spirit of professional leadership and excellence exemplified by Dr. Turner and the Duke University School of Nursing. Scholarship awards are based on both merit and need.

Lettie Pate Whitehead Foundation Scholarship. This fund was established by Conkey Pate Whitehead as a memorial to his mother. Awards are made for the aid and benefit of female students from nine southeastern states: Georgia, North Carolina, South Carolina, Virginia, Louisiana, Mississippi, Alabama, Tennessee, and Florida.

Florence K. Wilson Scholarship. This endowed scholarship was established by the Duke University School of Nursing Alumni in memory of their third dean. Awards are made to worthy students based on need.

Other Scholarships

The Graduate and Professional School University Scholars Program. Designed to stimulate an interdisciplinary, intergenerational community of scholars, the University Scholars Program was created in 1998 with a gift from Duke University Trustee Melinda French Gates and her husband Bill Gates, through the William H. Gates Foundation. These students are chosen based on their outstanding personal and academic merits and participate in regular interdisciplinary events throughout their academic career.

Other Scholarships. In an effort to assist students with outside scholarship opportunities, the Office of Admissions and Student Services provides information on outside

scholarships. Please contact the Office of Admissions and Student Services for more information or visit the School of Nursing's web-site: <http://www.nursing.duke.edu>.

Traineeships

The School submits an application for traineeship grants to the US Department of Health and Human Services each year. If the application is approved and funded, traineeship awards are made to students according to traineeship guidelines. Generally, traineeship funds are considered as part of the overall scholarship "pool" and eligible applicants are automatically considered for traineeship funds (scholarships). Students do not need to apply specifically for traineeship scholarship funds.

Loans

United States citizens or resident aliens who are accepted for enrollment or who are enrolled and maintaining satisfactory progress may apply for a loan through the School of Nursing Office of Admissions and Student Services. The types of loans available are:

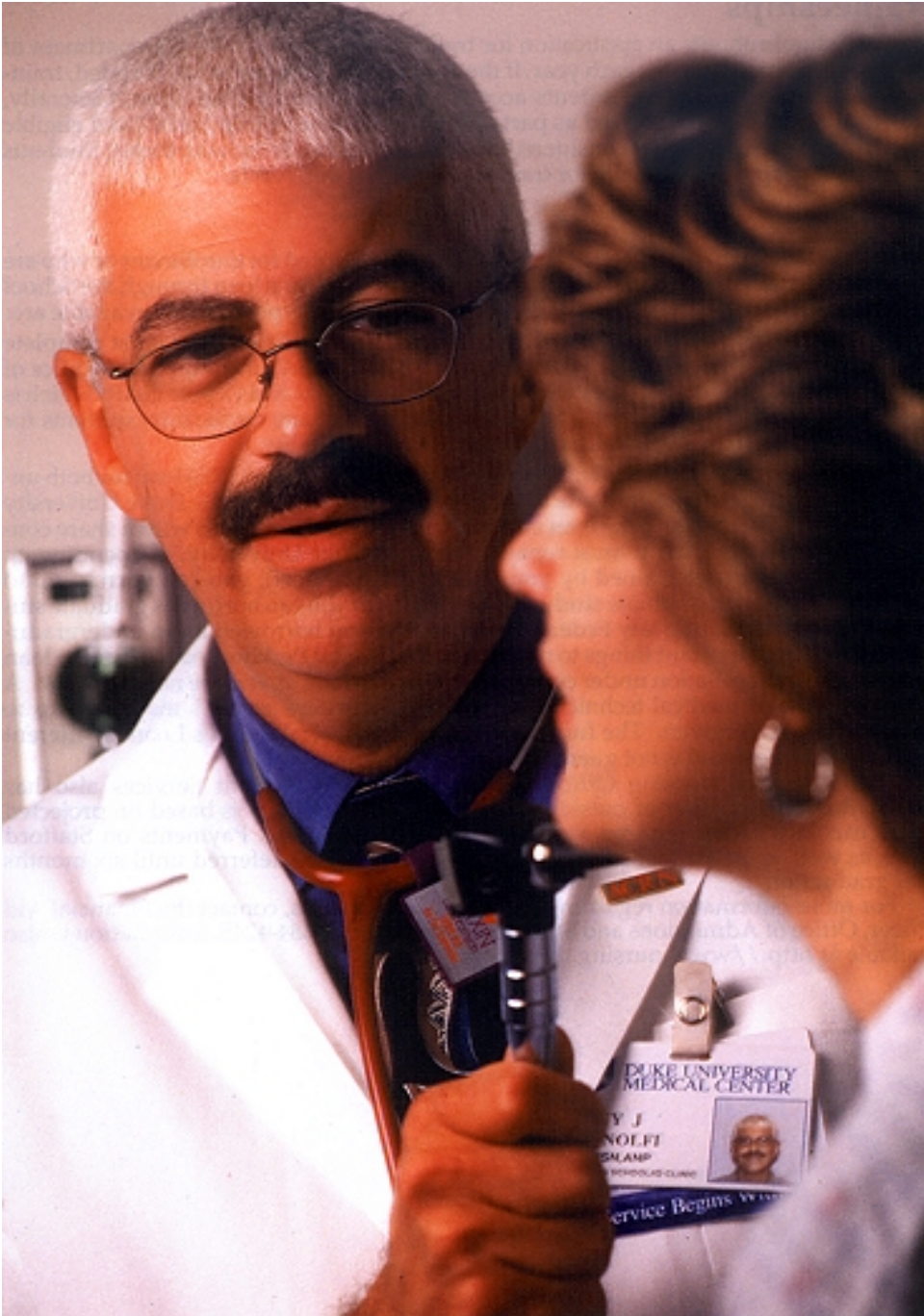
Federal Stafford Loans (Subsidized and Unsubsidized). The student must complete and file the Free Application for Federal Student Aid (FAFSA) and supply the Office of Admissions and Student Services with a copy of the Student Aid Report (SAR) which is generated from this application. The SAR is used to evaluate applicants/students for Need-based Scholarships as well as for Stafford Loan eligibility.

Perkins Federal Loans. A Federal Perkins Loan is a low-interest (5%) loan for both undergraduate and graduate students with exceptional financial need. Duke University is the lender of the loan and the loan is made with government funds with a share contributed by the school. You must repay this loan to Duke University. Depending on your level of need (determined by your Student Aid Report), you can borrow up to \$6,000 for each year of graduate study (the total amount you can borrow as graduate student is \$40,000, including any Federal Perkins loans you borrowed as an undergraduate). One of the important things to note about the Federal Perkins Loan is that the loan can qualify for cancellation under certain conditions as long as you are not in default. A full-time nurse or medical technician providing health care services may have up to 100% of the loan forgiven. The funding level for the Federal Perkins Loan is different each academic year and is not guaranteed.

The School of Nursing Office of Admissions and Student Services also has information on a number of outside lenders. Student eligibility is based on projected future earnings rather than on the student's current income. Payments on Stafford Loans as well as on the loans from outside lenders may be deferred until six months after graduation.

For more information regarding loans and scholarships, contact the Financial Aid Officer, Office of Admissions and Student Services, at 919-684-4248. Information is also available at <http://www.nursing.duke.edu>.

Tuition and Fees



Tuition and Fees*

Tuition for the Duke University School of Nursing Graduate Program is currently \$621 per unit, effective Fall Semester 2001. Part-time tuition is calculated at the same rate. Tuition and fees are due and payable at the times specified by the university for that semester and are subject to change without notice. A late registration fee of \$25 is charged for failure to complete registration during the official registration period.

Application Fee. A non-refundable fee of \$50 must accompany the application for admission.

Tuition Deposit. A non-refundable deposit of \$150 must accompany the acceptance of admission. Upon enrollment, the \$150 deposit will be credited towards tuition. Nurse Anesthesia students must submit a non-refundable \$1,000 deposit which will then be credited toward tuition.

Parking Fee. Each student parking a motor vehicle on campus must register it at the beginning of the semester at Parking Garage II. A student who acquires a motor vehicle and parks it on campus after registration must register it within five calendar days after operation on campus begins. Students are required to pay an annual parking fee. Students registering a vehicle after January 1 pay a prorated fee.

At the time of registration of a motor vehicle, the state vehicle registration certificate, a valid driver's license, and a student identification card must be presented.

Transcript Fee. All matriculants in the master's program pay a one-time fee of \$30. Certificate and non-degree students pay a \$15 fee each semester for the first two semesters for a total fee of \$30. This fee permits all students and alumni to receive official university transcripts to meet their legitimate needs without additional charge, except for special handling such as express mail.

Student Health Fee. The student health fee has been waived for nursing students who provide proof of a current insurance plan. Those students who do not have health insurance will be required to pay the Student Health Fee and are encouraged to obtain Student Health Insurance. The Student Health Fee for each semester is currently \$230. The Duke University student health insurance plan is specially designed to complement the coverage provided under the Student Health Fee and the current cost is \$847 per year.

School of Nursing students who do not pay the Student Health fee will not be allowed to access Student Health's services. Further information about the Student Health Fee and/or the Duke Student Insurance plan is available from Student Health by calling 919-681-WELL. Students will need to provide proof of insurance coverage at the time of course registration. Failure to provide proof will result in the student automatically being charged for the Student Health Fee.

* Subject to change.

Graduate and Professional Student Council Fee. A fee of \$28.50 (\$9.50 per semester) provides full-year membership.

Recreation Fee. All graduate and professional students are charged a recreation fee that is used to support the campus recreation facilities. These facilities are available to School of Nursing students.

Audit Fee. Courses may be audited on a space available basis with the consent of the instructor. Audit fees are \$160 per course. Students registered full time during Fall and Spring may audit courses without charge. For more information, students should consult the School of Nursing Office of Admission and Student Services.

Computer Lab Fee. A \$17.50 per semester fee is assessed for use of the Computer Lab.

Clinical Lab Fee. A \$125 fee is assessed for N332, Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice and N336, Pediatric Diagnostic Reasoning and Physical Assessment in Advanced Nursing Practice. This fee is used to cover the expenses of standardized patients, patients for the gynecological exam, and patients for the final examination for the course.

Continuation Of Enrollment Fee. A \$621 fee is assessed if a student cannot complete a clinical course within the required semester and must extend the clinical component of the course into the following semester(s).

Nursing School Pin Fee. MSN students are encouraged to purchase their Duke University Nursing School pin prior to commencement exercises in May of the year the student graduates. The cost of the 14K gold pin is \$69.00. This fee may change based on supplier pricing.

Payment of Accounts. New students are required to pay tuition and fees at the time of matriculation. Following first enrollment, monthly invoices are sent to each student by the Bursar's Office. As part of the acceptance of admission to Duke University, the student agrees to pay all invoices upon receipt. Tuition is due no later than five business days before classes begin. A late payment charge is assessed for all charges not paid in full by the due date. That fee is assessed at the rate of 1.25% per month applied to the past due balance. A student in default on tuition or fee charges will not be allowed to register for subsequent classes, receive a transcript of academic records, have academic credits certified, be granted leave of absence, or receive a diploma at graduation. In addition, the student may be subject to withdrawal from school.

Refunds. For students who withdraw from school or are withdrawn by the university during the semester, refunds of tuition and fees are governed by the following policy:

1. In the event of death, tuition and fees will be fully refunded.
2. In all other cases of withdrawal from the university, students may elect to have tuition refunded or carried forward as a credit for later study according to the following schedule:
 - a. withdrawal before classes start: full refund;
 - b. withdrawal during the first or second week of classes: 80 percent refund (the student health fee will not be refunded);
 - c. withdrawal during the third, fourth, or fifth week of classes: 60 percent refund (the student health fee will not be refunded);
 - d. withdrawal during the sixth week of classes: 20 percent refund (the student health fee will not be refunded);
 - f. withdrawal after six weeks: no refund.
3. Tuition charges paid from grants, scholarships, or loans will be restored to those funds on the same pro rata basis and will not be refunded or carried forward.

If a student changes his or her status from full- to part-time, has to drop a course for which no alternative registration is available, drops special fee courses, or drops an audit during the first two weeks of the drop/add period, a full refund may be granted with the approval of the dean. (The student health fee is nonrefundable.)



Student Life



Student Life

Graduate And Professional Student Council (GPSC). The Graduate and Professional Student Council is the representative body for the students of graduate departments and professional schools. The council provides a means of communication between schools and between graduate students and the administration. The council selects graduate students for membership on university committees. Representatives of each department and officers of the council are selected annually. The School of Nursing currently has two representatives on the Graduate and Professional Student Council.

The Graduate Nursing Student Association (GNSA). The Graduate Nursing Student Association is the student organization of the Duke University School of Nursing. The sole purpose of the GNSA is to serve the student's educational and professional needs and provide a formal structure for student participation in a wide variety of events within the school. The GNSA is the governing body of the students of the School and the source of information of importance to students. The GNSA positively affects students' educational experience by increasing awareness of resources and student services, encouraging student involvement in DUSON activities, and sponsoring events throughout the school year. Each year, the GNSA sponsors the award for Outstanding Faculty Member of the Year; the recipient of this award is chosen by students and the president of the GNSA presents the award during the School's annual Hooding and Recognition Ceremony. Students support this award with their student fees.

Sigma Theta Tau. In the spring of 1972 the Beta Epsilon Chapter of Sigma Theta Tau, the International Honor Society of Nursing, was established at Duke with a charter membership of 100 students, faculty, and alumni.

Sigma Theta Tau is the only international honor society for nursing and is a member of the Association of College Honor Societies. The first chapter was established in 1922. The society recognizes achievement of superior quality, fosters high professional standards, encourages creative work, recognizes the development of leadership qualities and strengthens the individual's commitment to the ideals and purposes of professional nursing. Sigma Theta Tau is an educational organization standing for the best in nursing. Duke University School of Nursing students who meet Sigma Theta Tau's criteria are eligible for induction into the Beta Epsilon Chapter. The induction ceremony is held once a year in the spring.

Alumni Association. Operating from the Alumni House at 614 Chapel Drive, the Duke University General Alumni Association, through its affiliate groups such as local clubs, classes, and school and college alumni associations, links over 85,000 members with the university and one another. The alumni office staff coordinates educational, cultural and social activities; provides avenues for involvement in university affairs; and promotes loyalty and esprit de corps throughout the Duke community. All alumni are automatically members of the association. An active alumnus is one for whom a current mailing address is on file; a contributing member is one who pays annual dues and becomes involved in class, club, and other alumni activities. The Alumni Association sponsors many university-wide programs and services. Included among these are student programs, off-campus and on-campus gatherings, Duke Magazine, recognition and awards programs, and travel and continuing education opportunities.

The Mary Lou Williams Center for Black Culture was dedicated in memory of the "great lady of jazz" and former artist-in-residence whose name it bears. Since its establishment in 1983, the center has served as a significant gathering place on campus where broadly based issues of social/cultural relevance are addressed to a cross-section of the Duke community. The center sponsors programs that honor black culture (African-American, South American, Caribbean, and African) and promote a better understanding of black history and culture. Among past programs have been art exhibits by renowned African-American artists, dance performances, musical performances, African-American film, film seminars, and a number of lecture-discussions on various aspects of the black diaspora. Black visiting artists from South Africa and London have performed in the center. Visit the website at <http://mlw.stuaff.duke.edu>.

The Women's Center works to promote the full and active participation of women in higher education at Duke by providing advocacy, support services, referrals, and educational programming on gender-related issues. The center houses an art gallery, a 3,000 volume feminist lending library; and publishes *VOICES*, a semesterly magazine addressing issues related to gender, ethnicity, and sexual orientation on campus and in the wider community. Call (919) 684-3897 for more information or visit the center's website at <http://wc.stuaff.duke.edu>.

International House. International House serves as the center of co-curricular programs for internationals and U.S. Americans interested in other cultures and peoples. As part of the Division of Student Affairs, the mission of International House is to assist internationals and their families with orientation and acclimation, to enhance cross-cultural interaction through programming and community outreach, and to provide advocacy and support for the Duke international community. In 1999-2000, there were approximately 1,266 international students from 96 countries enrolled at Duke. For more information, contact Carlisle Harvard, Director, (919) 684-3585, Box 90417, Durham, NC 27708 or e-mail: ihouse@duke.edu, or on the web: <http://ihouse.stuaff.duke.edu/>.

Recreation. The Department of Health, Physical Education, and Recreation sponsors numerous programs for all students in intramurals, sports clubs, and recreation. The Intramural Sports Program provides an opportunity for every student to participate in organized recreation competition in forty-nine activities. The program is comprised of four major areas: men's intramurals, women's intramurals, co-ed intramurals, and recreation programs. It is open to all graduate and undergraduate students of Duke University. Participation, not skill, is a major factor that is emphasized in the program. The university's many recreational facilities, available to all students, include the championship Robert Trent Jones Golf Course, tennis courts (some lighted) on both campuses, indoor swimming pools on East and West campuses and an outdoor pool on Central campus, three gymnasiums including the Brenda and Keith Brodie Recreation Center on East Campus and the Wilson Recreation Center on West Campus, several weight

training rooms, squash and racquetball courts, outdoor handball and basketball courts, an all-weather track, numerous playing fields, jogging trails, and informal recreational areas. Tournaments in recreational sports are often organized and conducted by students.

Religious Life. Two symbols indicate the importance of religion to this university since its founding: *Eruditio et Religio*, the motto on the seal of the university, and the location of the Duke Chapel at the center of the campus. People from all segments of the university and the community gather in Duke Chapel on Sunday morning to worship in a service that offers excellent liturgy, music, and preaching. The dean of the Chapel and the director of Religious Life work with the campus ministers and staff from the Roman Catholic, Jewish, Muslim, Hindu, and Protestant communities, and with other groups to provide a ministry which is responsive to the plurality of religious interests on the campus.

Duke Community Housing Office. Duke Community Housing is an off-campus rental housing resource for graduate and professional students and professional affiliates of Duke University. The office is available to assist you in making intelligent choices as you search for off-campus housing that is right for you. For more information on this resource and their interactive web resource, visit the School of Nursing's website at <http://www.nursing.duke.edu>.

Standards of Conduct



Standards Of Conduct

Duke University expects and requires of all its students cooperation in developing and maintaining high standards of scholarship and conduct.

Students are expected to meet academic requirements and financial obligations, as specified elsewhere in this bulletin, in order to remain in good standing. Certain nonacademic rules and regulations must also be observed. Failure to meet these requirements may result in dismissal by the appropriate officer of the university.

The university wishes to emphasize its policy that all students are subject to the rules and regulations of the university currently in effect or that, from time to time, are put into effect by the appropriate authorities of the university. Students, in accepting admission, indicate their willingness to subscribe to and be governed by these rules and regulations and acknowledge the right of the university to take such disciplinary action, including suspension and/or expulsion, as may be deemed appropriate for failure to abide by such rules and regulations or for conduct judged unsatisfactory or detrimental to the university. University authorities will take action in accordance with due process.

Students at the Duke University School of Nursing are expected to abide by the university-wide policies regarding honor, integrity, and appropriate conduct. Information regarding university policies on the Student Honor Code, Student Discrimination Grievance Procedures, Confidentiality of Student Records, the Campus Security Act, and the Clinical Site Placement Process and Appeals are available in the *Duke University Graduate Nursing Student Handbook* and on the School of Nursing website: <http://www.nursing.duke.edu>.