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The College of Nursing and Health Professions

About Nursing and Health Professions

As the practice of medicine has become more complex with the advent of technology and new drug therapies, so has the provision of health services. An increasingly diverse, aging U.S. population experiencing higher rates of chronic illness is demanding more service and culturally competent care. While technology improvements help provide the means to deliver safer, high-quality care, our society is facing shortages in health professionals such as nurses, mental health workers, nurse anesthetists, physician assistants, and rehabilitation science professionals. The demand for these and other skilled professionals continues to increase and is expected to remain steady well into the 21st century. There is no more vibrant a place to prepare for these kinds of meaningful, rewarding careers than at Drexel University's College of Nursing and Health Professions. The College offers associate's, bachelor's, master's, and doctoral degrees in more than a dozen health care fields.

About the College

Just as the health profession disciplines have come of age, so has the College of Nursing and Health Professions. Founded in 1969 as the College of Allied Health Professions with just three degree programs and a faculty of five, the college has undergone a remarkable evolution. Today it serves more than 3,000 students with a broad array of contemporary program offerings. Along the way, it has earned widespread recognition and accreditation for the education of health professionals.

Mission and Approach

The College believes that the health care needs of today and tomorrow can best be met by professionals who have expertise in their own fields and a concurrent understanding of other health disciplines. In addition to providing a broad-based education that balances academic learning with clinical training, the University promotes collaboration among students in our College of Nursing and Health Professions, our School of Public Health, and the College of Medicine, which draws from the rich traditions of predecessors Hahnemann University and the Medical College of Pennsylvania.

Teamwork is as important in academics as it is in health care. The College of Nursing and Health Professions' dedicated and knowledgeable faculty members work closely with students, providing a supportive and creative learning environment. Graduates from the College possess a wide range of experiences and the knowledge, compassion, and lifelong learning skills needed to become accomplished health care professionals.

The student body, which is diverse in age and culture, reflects Drexel University's commitment to provide qualified students with an opportunity for advanced education. Drexel welcomes nontraditional applicants and especially encourages applications from underrepresented minorities and those interested in practicing in underserved areas.

Many of Drexel's College of Nursing and Health Professions programs offer flexible scheduling, making it possible for students to continue their education through part-time, online, night, or weekend study.

Accreditation

Nursing programs are accredited by NLNAC (National League for Nursing Accreditation Commission), CCNE (Commission on Collegiate Nursing Education), and the PA State Board of Nursing.

The Couple and Family Therapy MFT degree and Post-Master's Certificates are accredited by COAMFTE (Commission on Accreditation of Marriage and Family Therapy Education).

The Creative Arts in Therapy MA degrees in Dance/Movement Therapy, Music Therapy, and Art Therapy are approved by the ADTA (American Dance Therapy Association), the AMTA (American Music Therapy Association), and the AATA (American Art Therapy Association), respectively.

The Nurse Anesthesia program is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs.

The Professional Physical Therapy (DPT) program is accredited by CAPTE (Commission on Accreditation in Physical Therapy Education).

The Physician Assistant program is accredited by ARC-PA (Accreditation Review Commission on Education for the Physician Assistant).

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Master of Family Therapy (MFT)

The program prepares students for the profession of couple and family therapy through academic and clinical training. It exposes students to broad areas of theory and practice and provides an intensive, supervised clinical experience. The program emphasizes the interdependence of individual experience and the relational context, extending from family of origin (including traditional and nontraditional families) to the global community. The program is committed to training students to be aware of and sensitive to cultural diversity. In addition, the person of the therapist, including the student's own culture, is a major aspect of the clinical training.

For more information, visit Drexel's College of Nursing and Health Professions Couple and Family Therapy web page.

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Master of Family Therapy (MFT)

91.0 credits

About the Curriculum

The MFT curriculum assists students in integrating theory and practice. Issues of race, class, gender, sexual orientation, and ethnicity are addressed throughout the program. Students are fully trained to assume clinical practice in couple and family therapy and are prepared for associate membership in the AAMFT.

Required Courses		Credits
Theoretical Foundations		
CFTP 500	Systems Theory	4.0
CFTP 501	Introduction to Family Therapy	4.0
CFTP 503	Historical and Sociocultural Influences	4.0
Clinical Practice		
CFTP 505	Bowen Theory	4.0
CFTP 506	Contextual Therapy	4.0
CFTP 507	Collaborative Approaches	4.0
CFTP 508	Structural Therapy	4.0
CFTP 509	Couples Therapy	4.0
CFTP 510	Sex Therapy	4.0
CFTP 511	Object Relations	4.0
CFTP 512	The Behavioral Models of Family Therapy	4.0
CFTP 517	Addictions and Family Therapy	4.0
CFTP 518	Medical Family Therapy	4.0
CFTP 519	Family Violence	4.0
CFTP 537	Nosology and Couple and Family Therapy Practices	4.0
Individual Development and Family Relations		
CFTP 520	Family Life Cycle	4.0
Professional Identity and Ethics		
CFTP 522	Ethical and Legal Implications in Couple and Family Therapy Practice	4.0
Research		
CFTP 525	Research in Couple and Family Therapy	4.0
Additional Learning		
CFTP 526	Person of the Therapist: Therapist Experience I	2.0
CFTP 527	Person of the Therapist: Therapist Experience II	2.0

CFTP 528	Person of the Therapist: Therapist Experience III	2.0
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Electives

CFTP 515	Psychopharmacology	4.0
CFTP 521	Human Development	4.0
CFTP 529	Family Policy	4.0

Practicum

CFTP 530	Practicum I	2.0
CFTP 531	Practicum II	2.0
CFTP 532	Practicum III	2.0
CFTP 533	Practicum IV	1.0
CFTP 534	Practicum V	2.0
CFTP 535	Practicum VI	2.0
CFTP 536	Practicum VII	2.0

Clinical Practicum Experience

All interns must complete a continuous 12-month calendar year at one practicum site prior to graduation. Interns will be expected to spend 16-20 hours per week working at the approved program practicum site. Scheduling of specific times will be negotiated by the intern and the on-site supervisor. The practicum schedule must not conflict with class schedule.

Clinical practicum sites are located primarily in Philadelphia, Delaware, and New Jersey. Settings include schools, forensic family therapy treatment programs, juvenile justice treatment systems, community health centers, family court, mental health agencies, outpatient psychiatry, and substance abuse facilities.

For additional information, students should contact the Couple and Family Therapy Program.

Couple and Family Therapy

The Couple and Family Therapy Program holds candidacy status with the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE) of the American Association for Marriage and Family Therapy (AAMFT). Graduates of the program will serve as faculty in graduate programs of couple and family therapy, psychology, social work or medical schools, and as clinicians in mental health agencies or private practice.

The PhD Program in Couple and Family Therapy is rooted in systems theory and therapy. Emphasis is on specialized training in couple and family therapy theory and technique. Students are expected to demonstrate critical and analytical thinking with respect to the broad areas of systems theory and therapy, and to articulate their own theoretical approach to couple and family therapy. The program is committed to training students to be aware of and sensitive to such contextual issues as race, class, gender, spirituality and sexual orientation as well as person of the therapist.

For additional information about the PhD in Couple and Family Therapy, visit the program's Couple and Family Therapy web site.

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Couple and Family Therapy (PhD)

91.0 quarter credits

About the Curriculum

Students are required to complete the standard curriculum in couple and family therapy before pursuing the doctoral curriculum. The standard curriculum is offered in the COAMFTE-accredited Master of Family Therapy program at the University. A minimum of 91 post-master's semester hours are required for the PhD program.

The curriculum includes study in the following areas:

- Theory and research in couple and family therapy
- Research methodology, including statistics, research design, and computer applications
- Specialized instruction in couple and family therapy
- Domestic violence, school-based settings, diverse family structures, and forensic family therapy
- Supervised clinical experience
- Supervision of supervision

Required Courses

Theoretical Knowledge		8.0
		Credits
CFTP 712	Family Theory	4.0
CFTP 716	Advanced Family Therapy Theory and Practice	4.0
Clinical Knowledge		16.0
		Credits
CFTP 724	Multicultural Approach to Couple and Family Therapy	4.0
CFTP 725	Trauma and Families	4.0
CFTP 730	Gender and Sexual Orientation	4.0
CFTP 741	Religion, Spirituality and CFT	4.0
Individual Development and Family Relations		4.0
		Credits
CFTP 735	Family Healthcare Policy	4.0
Clinical Supervision		4.0
		Credits
CFTP 734	Supervision of Couple and Family Therapy	4.0
Research		19.0
		Credits
CFTP 713	Couple and Family Therapy Research and Practice Literature	4.0
CFTP 715	Quantitative Methods	4.0
CFTP 719	Qualitative Methods	4.0
RHAB 759	Introduction to Biostatistics	3.0

CFTP 732	Advanced Quantitative Research Design	4.0
or		
CFTP 733	Advanced Qualitative Research Design	
Professional Development		12.0 Credits
CFTP 714	Professional Development Seminar I: Resources and Organization	2.0
CFTP 718	Professional Development Seminar II: Presentations and Publication Preparation	2.0
CFTP 722	Professional Development Seminar III: Teaching Couple and Family Therapy	2.0
CFTP 726	Professional Development Seminar IV: Academia and the Tenure Process	2.0
CFTP 731	Professional Development Seminar V: Understanding the Grant Writing Process	2.0
CFTP 736	Professional Development Seminar VI: Ethics in Couple and Family Therapy Supervision and Teaching	2.0
Internship		Minimum of 12.0 Credits
CFTP 801	Couple and Family Therapy Internship*	4.0
*This course is repeated for credit to meet minimum requirements, and can be repeated for credit up to five times. .		
Dissertation		Minimum of 12.0 Credits
CFTP 802	Couple and Family Therapy Dissertation	4.0
*This course is repeated for credit to meet minimum requirements, and can be repeated for credit up to five times. .		
Additional Course (Elective)		4.0 Credits
Students select an additional elective courses (Students may choose to go outside of the program to meet this requirement, provided each course is at least 4.0 credits and at the doctoral level of sophistication or they may select one of the following courses.)		
CFTP 751	Special Topics in Couples and Family Therapy	4.0
CFTP 752	Independent Study in Couples and Family Therapy	4.0

Additional Requirements

Students have 7 years to complete this curriculum.

Clinical Training

Students must be actively engaged in clinical practice throughout the program. Before graduating from the Doctoral program, all students must have completed 1,000 hours of direct client contact equivalent to that which is offered in a COAMFTE accredited program. Any student who can document that her/his previous supervised clinical practice is comparable to that which would be received in a COAMFTE accredited program may petition the program to waive some or all of the required 1,000 direct client contact hours.

Internship

All students are required to do an internship. Internship supervisors must be clearly senior in experience to the student intern. The purpose of the internship is to provide students with a supervised full-time clinical, research, academic or administrative experience of at least nine months duration. Clinical and alternate internships must emphasize relationally focused practice and research. For the clinical internship it is to insure that students meet the 1,000 direct client contact hour standard of COAMFTE. If a student has already accumulated 1,000 direct client

contact hours, and/or is already licensed as an MFT and/or a clinical member of AAMFT in good standing, s/he may replace the clinical internship with a supervised research, academic, or administrative internship. The internship follows completion of a majority of all coursework. Students with up to two remaining courses are eligible to begin the internship. Students with three to four remaining courses must petition the program for approval to begin the internship. Students should contact the Program in Couple and Family Therapy for additional information about the qualifying exam and the dissertation.

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Post-Master's Certificate Program in Couple and Family Therapy

43.0 credits

Drexel University offers a post-master's program leading to a certificate in couple and family therapy. The program is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE) of the American Association for Marriage and Family Therapy (AAMFT). The post-master's certificate in couple and family therapy can be expected to lead towards licensure as a Marriage and Family Therapist and AAMFT Clinical Membership.

Curriculum

The curriculum assists students in integrating theory and practice. Issues of race, ethnicity, culture, class, gender, sexual orientation, spirituality, religion, age, ability, power, and privilege are addressed throughout the program. Students are fully trained to assume clinical practice in couple and family therapy and are prepared for AAMFT Associate Membership.

Required Courses		Credits
Theoretical Foundations		
CFTP 501	Introduction to Family Therapy	4.0
CFTP 503	Historical and Sociocultural Influences	4.0
Clinical Practice		
CFTP 505	Bowen Theory	4.0
CFTP 508	Structural Therapy	4.0
Students select one of the following courses:		
CFTP 506	Contextual Therapy	4.0
CFTP 507	Collaborative Approaches	4.0
CFTP 509	Couples Therapy	4.0
CFTP 510	Sex Therapy	4.0
CFTP 511	Object Relations	4.0
CFTP 512	The Behavioral Models of Family Therapy	4.0
CFTP 518	Medical Family Therapy	4.0
CFTP 519	Family Violence	4.0
CFTP 537	Nosology and Couple and Family Therapy Practices	4.0
Individual Development and Family Relations		
CFTP 520	Family Life Cycle	4.0
Professional Identity and Ethics		
CFTP 522	Ethical and Legal Implications	4.0

Research

CFTP 525	Research in Couple and Family Therapy	4.0
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Required Additional Learning

CFTP 517	Addictions and Family Therapy	4.0
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Practicum

CFTP 530	Practicum I	2.0
CFTP 531	Practicum II	2.0
CFTP 532	Practicum III	2.0
CFTP 533	Practicum IV	1.0

Clinical Practicum Experience

Full-time PMC students are enrolled in practicum for 4 consecutive quarters. Interns generally participate in one practicum site during their tenure in the PMC. All interns must complete a continuous 12-month calendar year at one practicum site prior to graduation. Interns will be expected to spend 20 hours per week working at the approved program practicum site. Scheduling of specific times will be negotiated by the intern and the on-site supervisor. The practicum schedule must not conflict with class schedule. Interns are expected to average 13-15 client contact hours per week in order to achieve the 500 clinical hour requirement by the end of the program. Caseloads usually consist of more than 14 clients to ensure that the intern will average 13-15 client contact hours per week.

For additional information about the Post-Master's Certificate in Couple and Family Therapy, students should contact the Couple and Family Therapy Program.

Certificate Program in Medical Family Therapy

14.0 Credits

This certificate program is offered to those individuals who have earned a master's degree and seek further education. The program, offered online, is designed to introduce a variety of currently practicing health care professionals to the ways acute and chronic medical illnesses and conditions influence and are influenced by psychosocial, relational, and family conditions and environments. Additionally, couple and family therapists and other professionals trained in the subspecialty of medical family therapy (or collaborative healthcare) will learn to work cooperatively to bridge gaps in the health care systems, and provide comprehensive and culturally congruent family focused services.

For additional information about the Certificate in Medical Family Therapy, students should visit the Online Certificate Program in Medical Family Therapy page.

Required Courses		Credits
MFTP 518	Medical Family Therapy	3.0
MFTP 537	Multicultural & Family Systems Approach to Healthcare	4.0
MFTP 538	Issues and Trends in Health Policy for Families	3.0

Students select one elective:

CFTP 500	Systems Theory	4.0
CFTP 501	Introduction to Family Therapy	4.0
CFTP 503	Historical and Sociocultural Influences	4.0
CFTP 505	Bowen Theory	4.0
CFTP 508	Structural Therapy	4.0
CFTP 510	Sex Therapy	4.0
CFTP 517	Addictions and Family Therapy	4.0
CFTP 519	Family Violence	4.0
CFTP 520	Family Life Cycle	4.0
CFTP 537	Nosology and Couple and Family Therapy Practices	4.0

Master of Arts Degrees: Creative Arts Therapies

About the program

The philosophy of the program integrates knowledge of art psychotherapy with current theoretical and practical approaches to assessment and treatment in such fields as mental health, medicine, and education. Didactic, clinical, and supervisory aspects of the program are balanced and integrated to provide a foundation of theoretical knowledge and practical application. The program is unique in that faculty members are art therapists and mental health professionals with an interest in the arts who can help students integrate the principles of art therapy with current mental health theory and practice.

Admission criteria are specific to each of the three specializations:

- Art Therapy: Admission Requirements
- Dance-Movement Therapy: Admission Requirements
- Music Therapy: Admission Requirements

For additional information, visit the College of Nursing and Health Professions' Creative Arts Therapies web site.

Creative Arts Therapy: Art Therapy Specialization

Master of Arts degree, 90.0 quarter credits

About the program

The philosophy of the program integrates knowledge of art psychotherapy with current theoretical and practical approaches to assessment and treatment in such fields as mental health, medicine, and education. Didactic, clinical, and supervisory aspects of the program are balanced and integrated to provide a foundation of theoretical knowledge and practical application. The program is unique in that faculty members are art therapists and mental health professionals with an interest in the arts who can help students integrate the principles of art therapy with current mental health theory and practice.

The curriculum includes classroom and clinical field placements that occur simultaneously throughout the two-year education. Through experiences in the classroom students in the art therapy program study the theory behind the creative and complex interaction of the therapist, the patient/client, and the art process. They then apply what they learn in a clinical practicum and internship setting while under the supervision of a qualified art therapist. Individual and group supervision assists the student in acquiring an integrated understanding of art therapy theory and practice. Through this process the students learn the importance of the synthesis of these elements in the art therapy treatment milieu and therapeutic relationship.

For additional information about the program, visit the College of Nursing and Health Professions' Art Therapy web site.

Required Courses **90.0 Credits**

Core Courses **34.0 Credits**

ARTS 501	Introduction to Creative Arts Therapy I	2.0
ARTS 502	Introduction to Creative Arts Therapy II	2.0
ARTS 503	Introduction to Creative Arts Therapy III	2.0
ARTS 504	Human Psychological Development I	2.0
ARTS 509	Human Psychological Development II	2.0
ARTS 505	Clinical Diagnosis of Psychopathology I	2.0
ARTS 513	Clinical Diagnosis of Psychopathology II	2.0
ARTS 506	Professional Orientation and Ethics I	1.0
ARTS 606	Professional Orientation and Ethics II	3.0
ARTS 507	Group Dynamics and Therapy	2.0
ARTS 508	Introduction to Behavioral Research	4.0
ARTS 601	Theories of Psychotherapy I	2.0
ARTS 605	Theories of Psychotherapy II	2.0
ARTS 602	Multicultural Perspectives in Therapy I	2.0
ARTS 603	Clinical Appraisal and Assessment I	2.0

ARTS 607	Clinical Appraisal and Assessment II	2.0
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Art Therapy Track Courses **40.0 Credits**

ARTS 531	Art Therapy Assessment and Treatment for Adults I	2.0
ARTS 532	Art Therapy Assessment and Treatment for Adults II	2.0
ARTS 533	Art Therapy Assessment and Treatment for Children I	2.0
ARTS 534	Art Therapy Assessment and Treatment for Children II	2.0
ARTS 535	Art Therapy Theory and Symbolism I	2.0
ARTS 536	Art Therapy Theory and Symbolism II	2.0
ARTS 537	Art Therapy Group Supervision I	2.0
ARTS 538	Art Therapy Group Supervision II	2.0
ARTS 539	Art Therapy Group Supervision III	2.0
ARTS 540	Art Therapy Literature and Research	2.0
ARTS 541	Jungian Psychology for Art Therapists	2.0
ARTS 542	Group Dynamics: Art Therapy	2.0
ARTS 631	Art Therapy Workshop	2.0
ARTS 632	Advanced Art Therapy Process and Practice I	2.0
ARTS 633	Advanced Art Therapy Process and Practice II	2.0
ARTS 634	Art Therapy Family Assessment	2.0
ARTS 635	Multicultural Perspectives in Art Therapy	2.0
ARTS 636	Studio Art for Art Therapists	2.0
ARTS 637	Advanced Art Therapy Group Supervision I	1.0
ARTS 638	Advanced Art Therapy Group Supervision II	1.0
ARTS 639	Advanced Art Therapy Group Supervision III	1.0

Students select one of the following Art Therapy electives:

ARTS 640	Medical Art Therapy	1.0
ARTS 641	Forensic Art Therapy	1.0
ARTS 642	Art Therapy in an Educational Setting	1.0

Clinical Education Courses **12.0 Credits**

ARTS 510	Clinical Practicum I: Observation	1.0
ARTS 511	Clinical Practicum II	1.0
ARTS 512	Clinical Practicum III	1.0
ARTS 610	Clinical Internship I	3.0
ARTS 611	Clinical Internship II	3.0
ARTS 612	Clinical Internship III	3.0

Thesis **4.0 Credits**

ARTS 621	Thesis I	1.0
ARTS 622	Thesis II	1.0
ARTS 623	Thesis III	1.0
ARTS 624	Thesis IV	1.0

*ARTS 604 Career Counseling can be taken as an elective.

Additional Electives

As needed, in consultation with the program director students can select the following electives:

ARTS 625	For Thesis Only	variable
ARTS 699	Independent Study	variable

Creative Arts Therapy: Dance/Movement Therapy Specialization

Master of Arts degree, 90.0 quarter credits

About the program

Dance/movement therapy is a body/mind-integrated approach to psychotherapy that uses expressive dance and movement processes to encourage the integration of emotional, cognitive, social, and physical functioning. Dance/movement therapy emphasizes the non-verbal realm of movement, touch, rhythm, and spatial interactions, as well as the congruence and connections between verbal and nonverbal modes of expression.

Students build a strong foundation of theoretical knowledge and clinical application in dance/movement therapy (DMT). The program teaches and balances the art of DMT with the science that supports it. Using diagnostic knowledge, developmental and systems theories, and observational skills based in Laban Movement Analysis, our students learn to assess client functioning and formulate treatment goals. Using their expertise in the dance/movement modality and interactive, improvisational processes, students learn to address the patient's needs in both group and individual therapy formats. They may design creative group tasks for fostering interaction and cohesion, or to guide an individual through a personal conflict or challenge.

For additional information about the program, visit the College of Nursing and Health Professions' Dance/Movement Therapy web site.

Required Courses **90.0 Credits**

Core Courses **34.0 Credits**

ARTS 501	Introduction to Creative Arts Therapy I	2.0
ARTS 502	Introduction to Creative Arts Therapy II	2.0
ARTS 503	Introduction to Creative Arts Therapy III	2.0
ARTS 504	Human Psychological Development I	2.0
ARTS 509	Human Psychological Development II	2.0
ARTS 505	Clinical Diagnosis of Psychopathology I	2.0
ARTS 513	Clinical Diagnosis of Psychopathology II	2.0
ARTS 506	Professional Orientation and Ethics I	1.0
ARTS 606	Professional Orientation and Ethics II	3.0
ARTS 507	Group Dynamics and Therapy	2.0
ARTS 508	Introduction to Behavioral Research	4.0
ARTS 601	Theories of Psychotherapy I	2.0
ARTS 605	Theories of Psychotherapy II	2.0
ARTS 602	Multicultural Perspectives in Therapy I	2.0
ARTS 603	Clinical Appraisal and Assessment I	2.0

ARTS 607	Clinical Appraisal and Assessment II	2.0
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Dance/Movement Therapy Track Courses		34.0 Credits
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ARTS 552	Therapy Relationship Skills I	2.0
ARTS 553	Therapy Relationship Skills II	2.0
ARTS 554	Movement Observation I	2.0
ARTS 555	Laban Movement Analysis Lab	0.0
ARTS 556	Movement Observation II	2.0
ARTS 557	Dance/Movement Theory and Practice I: Children	2.0
ARTS 558	Dance/Movement Theory and Practice II: Children	2.0
ARTS 559	Introduction to Dance/Movement Theory History and Literature	1.0
ARTS 563	Movement Perspectives in Human Development	2.0
ARTS 564	Group Dynamics and Therapy II: Dance/Movement Therapy	2.0
ARTS 654	Dance/Movement Theory and Practice III: Adults	2.0
ARTS 655	Multicultural Perspectives in Therapy II: Dance/Movement Therapy	2.0
ARTS 656	Mental Health Applications of Movement Analysis I	2.0
ARTS 657	Mental Health Applications of Movement Analysis II	2.0
ARTS 661	Family Dance/Movement Therapy: A Systems Approach	2.0
ARTS 662	Advanced Group Dance/Movement Therapy Skills I	2.0
ARTS 663	Advanced Group Dance/Movement Therapy Skills II	2.0
NEUR 534	Neuroscience	3.0

Clinical Education Courses		18.0 Credits
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ARTS 560	Dance/Movement Therapy Group Supervision I	1.0
ARTS 561	Dance/Movement Therapy Group Supervision II	1.0
ARTS 562	Dance/Movement Therapy Group Supervision III	1.0
ARTS 658	Advanced Dance/Movement Therapy Group Supervision I	1.0
ARTS 659	Advanced Dance/Movement Therapy Group Supervision II	1.0
ARTS 660	Advanced Dance/Movement Therapy Group Supervision III	1.0
ARTS 510	Clinical Practicum I: Observation	1.0
ARTS 511	Clinical Practicum II	1.0
ARTS 512	Clinical Practicum III	1.0
ARTS 610	Clinical Internship I	3.0
ARTS 611	Clinical Internship II	3.0
ARTS 612	Clinical Internship III	3.0

Thesis		4.0 Credits
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ARTS 621	Thesis I	1.0
ARTS 622	Thesis II	1.0
ARTS 623	Thesis III	1.0
ARTS 624	Thesis IV	1.0

Electives

Students can choose to select the following Dance/Movement Therapy electives:

ARTS 551	Introduction to Anatomy & Kinesiology for Dance/Movement Therapists	1.0
ARTS 651	Medical Dance/Movement Therapy	1.0
ARTS 652	Kestenberg Movement Profile	3.0

Additional Electives

As needed, in consultation with the program director students can select the following electives:

ARTS 625	For Thesis Only	variable
ARTS 699	Independent Study	variable

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Creative Arts Therapy: Music Therapy

Master of Arts degree, 90.0 quarter credits

About the program

The two-year music therapy program is designed to help students develop advanced music therapy clinical skills in an academic health center setting. The program is the only music therapy training model housed in an academic health center. It is unique in that faculty members include mental health and medical professionals who assist students in integrating music therapy with current developmental, mental health, and medical practices.

Didactic and clinical aspects are balanced to provide a foundation of theoretical knowledge and practical application. The curriculum integrates knowledge of music therapy with current theoretical approaches to assessment and treatment.

Experiential core and music therapy modality courses are designed to help students develop the use of the self within the music therapy relationship.

For additional information about program, visit the College of Nursing and Health Professions' Music Therapy web site.

Required Courses 90.0 Credits

Core Courses 34.0 Credits

ARTS 501	Introduction to Creative Arts Therapy I	2.0
ARTS 502	Introduction to Creative Arts Therapy II	2.0
ARTS 503	Introduction to Creative Arts Therapy III	2.0
ARTS 504	Human Psychological Development I	2.0
ARTS 509	Human Psychological Development II	2.0
ARTS 505	Clinical Diagnosis of Psychopathology I	2.0
ARTS 513	Clinical Diagnosis of Psychopathology II	2.0
ARTS 506	Professional Orientation and Ethics I	1.0
ARTS 606	Professional Orientation and Ethics II	3.0
ARTS 507	Group Dynamics and Therapy	2.0
ARTS 508	Introduction to Behavioral Research	4.0
ARTS 601	Theories of Psychotherapy I	2.0
ARTS 605	Theories of Psychotherapy II	2.0
ARTS 602	Multicultural Perspectives in Therapy I	2.0
ARTS 603	Clinical Appraisal and Assessment I	2.0
ARTS 607	Clinical Appraisal and Assessment II	2.0

Music Therapy Track Courses 34.0 Credits

ARTS 570	Clinical Musicianship I	2.0
ARTS 571	Clinical Musicianship II	2.0
ARTS 572	Clinical Musicianship III	2.0
ARTS 573	Clinical Musical Improvisation I	2.0
ARTS 574	Clinical Musical Improvisation II	2.0

ARTS 575	Theories in Musical Therapy I	2.0
ARTS 577	Musical Therapy Skills I	2.0
ARTS 578	Musical Therapy Skills II	2.0
ARTS 579	Musical Therapy Skills III: Technological Applications	2.0
ARTS 580	Psychology of Music	2.0
ARTS 670	Advanced Music Therapy Skills I	2.0
ARTS 671	Advanced Music Therapy Skills II	2.0
ARTS 672	Multicultural Perspectives in Music Therapy	2.0
ARTS 677	Advanced Music Therapy Skills III: Group	2.0
ARTS 678	Clinical Internship Lab: Music Analysis	1.0
NEUR 534	Neuroscience	3.0

Clinical Education Courses	18.0 Credits
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ARTS 510	Clinical Practicum I: Observation	1.0
ARTS 511	Clinical Practicum II	1.0
ARTS 512	Clinical Practicum III	1.0
ARTS 581	Music Therapy Group Supervision I	1.0
ARTS 582	Music Therapy Group Supervision II	1.0
ARTS 583	Music Therapy Group Supervision III	1.0
ARTS 610	Clinical Internship I	3.0
ARTS 611	Clinical Internship II	3.0
ARTS 612	Clinical Internship III	3.0
ARTS 673	Advanced Music Therapy Group Supervision I	1.0
ARTS 674	Advanced Music Therapy Group Supervision II	1.0
ARTS 675	Advanced Music Therapy Group Supervision III	1.0

Thesis	4.0 Credits
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ARTS 621	Thesis I	1.0
ARTS 622	Thesis II	1.0
ARTS 623	Thesis III	1.0
ARTS 624	Thesis IV	1.0

Additional Electives

As needed, in consultation with the program director students can select the following electives:

ARTS 625	For Thesis Only	variable
ARTS 699	Independent Study	variable

Post-Master's Certificate in Dance/Movement Therapy

40.0 quarter credits

About the program

Dance/movement therapy is a body/mind-integrated approach to psychotherapy that uses expressive dance and movement processes to encourage the integration of emotional, cognitive, social, and physical functioning. Dance/movement therapy emphasizes the non-verbal realm of movement, touch, rhythm, and spatial interactions, as well as the congruence and connections between verbal and nonverbal modes of expression.

Students build a strong foundation of theoretical knowledge and clinical application in dance/movement therapy (DMT). The program teaches and balances the art of DMT with the science that supports it. Using diagnostic knowledge, developmental and systems theories, and observational skills based in Laban Movement Analysis, our students learn to assess client functioning and formulate treatment goals. Using their expertise in the dance/movement modality and interactive, improvisational processes, students learn to address the patient's needs in both group and individual therapy formats. They may design creative group tasks for fostering interaction and cohesion, or to guide an individual through a personal conflict or challenge.

About the certificate

The Post-Master's Certificate in Dance/Movement Therapy consists of specialized coursework and supervised clinical experience. For those already holding a master's degree in a field related to dance/movement therapy (i.e., dance, dance education, another mental health discipline) this certificate program will help prepare the learner for the Dance Therapist Registered credential from the American Dance Therapy Association (ADTA) through the "Alternate Route."

Courses in the certificate program address categories delineated by the ADTA for Alternate Route Training in DMT:

- theory and practice in the field of dance and movement therapy
- movement observation and analysis

For the categories delineated by the ADTA in the areas of general mental health and anatomy/kinesiology, the Hahnemann Creative Arts in Therapy Program offers courses for additional fees.

Certificate courses can be taken on a full time basis over one year, or on a part time basis over two years. The certificate program offers the requisite fieldwork and Internship components on an optional basis for additional fees.

Admissions

Admission requirements for the certificate program are similar to those for the MA program in Creative Arts, with the exception of standardized test scores.

For additional information about admission to the program, visit the College of Nursing and Health Professions' Creative Arts in Therapy web site.

Required Courses		40.0 Credits
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ARTS 501	Introduction to Creative Arts Therapy I	2.0
ARTS 502	Introduction to Creative Arts Therapy II	2.0
ARTS 503	Introduction to Creative Arts Therapy III	2.0
ARTS 552	Therapy Relationship Skills I	2.0
ARTS 553	Therapy Relationship Skills II	2.0
ARTS 554	Movement Observation I	2.0
ARTS 555	Laban Movement Analysis Lab	0.0
ARTS 556	Movement Observation II	2.0
ARTS 557	Dance/Movement Theory and Practice I: Children	2.0
ARTS 558	Dance/Movement Theory and Practice II: Children	2.0
ARTS 559	Introduction to Dance/Movement Theory History and Literature	1.0
ARTS 563	Movement Perspectives in Human Development	2.0
ARTS 564	Group Dynamics and Therapy II: Dance/Movement Therapy	2.0
ARTS 651	Medical Dance/Movement Therapy	1.0
ARTS 654	Dance/Movement Theory and Practice III: Adults	2.0
ARTS 655	Multicultural Perspectives in Therapy II: Dance/Movement Therapy	2.0
ARTS 656	Mental Health Applications of Movement Analysis I	2.0
ARTS 657	Mental Health Applications of Movement Analysis II	2.0
ARTS 661	Family Dance/Movement Therapy: A Systems Approach	2.0
ARTS 662	Advanced Dance/Movement Therapy Group Skills I	2.0
ARTS 663	Advanced Dance/Movement Therapy Group Skills II	2.0
ARTS 699	Independent Study: Dance/Movement Therapy Professional Orientation and Ethics	2.0

Recommended Electives		
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ARTS 610	Clinical Internship I	3.0
ARTS 611	Clinical Internship II	3.0
ARTS 612	Clinical Internship III	3.0
ARTS 652	Kestenberg Movement Profile	3.0
ARTS 658	Advanced Dance/Movement Therapy Group Supervision I	1.0
ARTS 659	Advanced Dance/Movement Therapy Group Supervision II	1.0
ARTS 660	Advanced Dance/Movement Therapy Group Supervision II	1.0

Post-Master's Certificate in Music Therapy

52.0 quarter credits

About the program

The Post-Master's Certificate in Music Therapy is designed to help students develop advanced music therapy clinical skills in an academic health center setting. The program is the only music therapy training model housed in an academic health center. It is unique in that faculty members include mental health and medical professionals who assist students in integrating music therapy with current developmental, mental health, and medical practices.

Didactic and clinical aspects are balanced to provide a foundation of theoretical knowledge and practical application. The curriculum integrates knowledge of music therapy with current theoretical approaches to assessment and treatment.

Experiential core and music therapy modality courses are designed to help students develop the use of the self within the music therapy relationship.

About the certificate

The Post-Master's Certificate in the Creative Arts Therapies with a specialization in Music Therapy consists is a 52 credit certificate program designed to meet the needs of qualified individuals who seek to become eligible to sit for the Board Certification Exam from the Certification Board for Music Therapists (CBMT). The certificate program is designed for those with a master's degree in another clinical mental health specialty who wish to add a specialization in music therapy. Each of the following courses addresses one or more competency areas delineated by the American Music Therapy Association. All are taught at the graduate level.

Admissions

Admission requirements for the certificate program are similar to those for the MA program in Creative Arts, with the exception of standardized test scores. For additional information about admission to the program, visit the College of Nursing and Health Professions' Creative Arts in Therapy web site.

Required Courses		52.0 Credits
ARTS 501	Introduction to Creative Arts Therapy I	2.0
ARTS 502	Introduction to Creative Arts Therapy II	2.0
ARTS 503	Introduction to Creative Arts Therapy III	2.0
ARTS 510	Clinical Practicum I: Observation	1.0
ARTS 511	Clinical Practicum II	1.0
ARTS 512	Clinical Practicum III	1.0
ARTS 574	Clinical Musical Improvisation II	2.0
ARTS 575	Theories in Musical Therapy I	2.0
ARTS 577	Musical Therapy Skills I	2.0
ARTS 578	Musical Therapy Skills II	2.0
ARTS 579	Musical Therapy Skills III: Technological Applications	2.0
ARTS 580	Psychology of Music	2.0
ARTS 581	Music Therapy Group Supervision I	1.0
ARTS 582	Music Therapy Group Supervision II	1.0
ARTS 583	Music Therapy Group Supervision III	1.0

ARTS 610	Clinical Internship I	3.0
ARTS 611	Clinical Internship II	3.0
ARTS 612	Clinical Internship III	3.0
ARTS 670	Advanced Music Therapy Skills I	2.0
ARTS 671	Advanced Music Therapy Skills II	2.0
ARTS 672	Multicultural Perspectives in Music Therapy	2.0
ARTS 673	Advanced Music Therapy Group Supervision I	1.0
ARTS 674	Advanced Music Therapy Group Supervision II	1.0
ARTS 675	Advanced Music Therapy Group Supervision III	1.0
ARTS 677	Advanced Music Therapy Skills III: Group	2.0
ARTS 678	Clinical Internship Lab: Music Analysis	1.0
NEUR 534	Neuroscience	3.0

PhD in Creative Arts Therapies

About the program

The mission of the PhD in Creative Arts Therapies is to cultivate stewards of the professions who can preserve the traditions of the disciplines, promote scholarly and clinical advancement, and contribute to the legitimization of the fields.

In pursuit of the program mission, the innovative curriculum includes four interactive learning modules that comprise a three-year full-time degree program:

- Interdisciplinary module
- Research module
- Self/other artistic module
- Practicum module

The learning culture, curriculum, and pedagogy of the PhD in Creative Arts Therapies are the primary components contributing to the comprehensiveness of this advanced research degree. The learning culture is one of creativity, innovation, initiative and support. The curriculum and pedagogy emphasize the interaction between intellectual, emotional, inter-subjective and artistic learning for the purpose of generating knowledge in the arts therapies.

The learning culture, curriculum and pedagogy are elaborated in the following constructs:

- A learning culture that supports the exploration and integration of intellectual, emotional, artistic, and self/other knowledge as parallel to the psychotherapeutic and creative processes.
- An educational philosophy, curricular structure, and innovative pedagogy which supports dynamic and creative inquiry into interdisciplinary and discipline specific bodies of knowledge.
- A comprehensive approach to traditional and innovative research methods that best supports the ontological, epistemological, theoretical, and applied practice in the arts therapies.
- The integration of theoretical, experiential, and pragmatic knowledge.
- A dialectic between didactic, intrinsic, and practical learning experiences.
- The cultivation of aptitudes and competencies in intellectual, subjective, intersubjective and artistic inquiry for each student.

For additional information about the program, visit the College of Nursing and Health Professions' PhD in Creative Arts Therapy web site

PhD in Creative Arts Therapies

Admission Requirements

Applicants for the Doctor of Philosophy (PhD) Program in Creative Arts Therapies are screened based upon the required application documents plus a personal interview by the faculty. The application documents and interview are designed to assess the applicants aptitudes and commitment to advanced academic achievement and the development of scholarship. To that end, the application must document the following requirements for each candidate:

Degree

Masters Degree in Art Therapy, Dance/Movement Therapy, Music Therapy, or Expressive Therapies.

Pre-Requisites (in addition to or included in Master's degree)-

- 6 semester (9 quarter) credits equivalent in graduate level Research coursework.
- 3 semester (4 quarter) credits equivalent of graduate coursework in Multiculturalism, Anthropology, or Sociology.

Research Education and Training

The PhD in Creative Arts Therapies is a research degree. Consequently it is essential that those entering the program demonstrate foundational education and experience in research.

- Documented research courses with a grade of no less than a 'B'.
- Documentation of having conducted one research project. This can be a master's thesis project or post-master's research.

Scores and GPA

- GRE with scores of 1100/4.0 or MAT with scores of 396 or above.
- GPA of 3.5 or above from the master's degree education.

Clinical Experience and Credentials

- A minimum of 3 years full-time equivalent post-master's degree creative arts therapies clinical practice.
- Professional Credentials including Board Certification and/or Registration in the applicant's Creative Arts Therapies discipline. A professional license is preferred but not required.

Academic Writing Proficiency

Central to success in the PhD program is the ability to write at a professional scholarly level. Even though this ability will develop as a result of being a doctoral student, it is essential that the applicant demonstrate having both interest in,

commitment to, and aptitude for scholarly writing. To demonstrate this interest, commitment, and aptitude each applicant is being asked to comply with the following criteria. This requirement provides the opportunity for each applicant to select the scholarly writing samples that best represent their abilities. All writing samples should be submitted in APA format, double spaced, 11-12pt. font.

- Demonstration of scholarly writing proficiency from an academic writing sample. This could be a graded graduate writing sample or an independently authored publication.
- Documentation of having submitted an article for a peer reviewed publication. The documentation should be in the form of a manuscript that was submitted to a journal or as a chapter in an edited book. This manuscript can also be used for the academic writing sample if it was authored solely by the applicant. If it was co-authored an additional independently authored sample is required to fulfill the requirement for demonstration of scholarly writing proficiency.

Letters of Recommendation

Three letters of recommendation are required as a part of the application process. The letters should be from individuals who can knowledgeably address the applicant's aptitudes for scholarship and teaching. Recommenders should also address the applicant's maturity, initiative, self-directed motivation, and commitment to higher education.

Admissions Essay

- Describe your reasons for applying to the PhD Program, your research experience and interests and your academic and career goals. The essay should be no longer than 2 pages, 12 pt. font, double spaced.

Following the initial screening of the application materials for the initial criteria if a determination is made that the applicant meets the criteria, the applicant is scheduled for an interview with the faculty of the Department of Creative Arts Therapies. The interview protocol includes:

- Review of application materials and associated questions to address scholarly competencies for the program.
- Discussion regarding the theory and practice of the creative arts therapies and the applicant's specific discipline.
- Discussion of the applicant's research interests, competencies, and ideas.
- Discussion of the applicant's reasons and motivation for applying for doctoral education.

Please contact Mr. George Urgo, Admissions Coordinator, for additional information about the admission requirements and the application process. (215) 762-6921 or gdu23@drexel.edu.

Note: Admissions Schedule

The early priority deadline is January 15th, with rolling admissions through July 1st.

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PhD in Creative Arts Therapies

66.0 quarter credits

General Requirements

The following general requirements must be satisfied in order to complete the PhD in Creative Arts Therapies:

- 66.0 quarter credits of required courses
- Comprehensive examination
- Candidacy/Qualifying exam (administered after the completion of one year or 45 quarter credits)
- Approval of dissertation proposal
- Practicum in one of the following: teaching, research, clinical supervision or advanced clinical practice
- Completion of dissertation
- Final oral exam/oral defense of dissertation

About the Curriculum

The required courses in the curriculum are organized into four essential learning modules: 1) interdisciplinary; 2) research; 3) self/other and artistic knowledge; and 4) practical application. These courses comprise the key components of the doctoral program, along with the dissertation.

Required Courses	66.0 Credits
Interdisciplinary Seminars	12.0 Credits
ARTS 703	Interdisciplinary Seminar I: Aesthetics, Creativity, Literature and the Arts Therapies 3.0
ARTS 704	Interdisciplinary Seminar II: Psychology, Biology, Neuroscience and the Arts Therapies 3.0
ARTS 705	Interdisciplinary Seminar III: Psychoanalysis, Philosophy, Ethics and the Arts Therapies 3.0
ARTS 706	Interdisciplinary Seminar IV: Anthropology, Semiotics, Cultural Diversity and the Arts Therapies 3.0
Research Courses	15.0 Credits
ARTS 712	Research Methods 3.0
ARTS 713	Quantitative Research I 3.0
ARTS 714	Qualitative Research I 3.0
ARTS 715	Innovative and Emergent Research Methods I 3.0
Research Specialization	
Students select one of the following:	
ARTS 732	Quantitative Research II 3.0
ARTS 733	Qualitative Research II 3.0

ARTS 734	Innovation and Emergent Research Methods II	3.0
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Self/Other Artistic Knowledge Studio Labs **12.0 Credits**

ARTS 716	Self/Other Artistic Knowledge: Studio Based Artistic Inquiry I	3.0
ARTS 717	Self/Other Artistic Knowledge: Studio Based Artistic Inquiry II	3.0
ARTS 718	Self/Other Artistic Knowledge: Studio Based Artistic Inquiry III	3.0
ARTS 719	Self/Other Artistic Knowledge: Studio Based Artistic Inquiry IV	3.0

Practical Application Courses **9.0 Credits**

Practica in either research, teaching, clinical supervision, or advanced clinical practice.

ARTS 808	Practicum I	3.0
ARTS 809	Practicum II	3.0
ARTS 810	Practicum III	3.0

Dissertation Courses **9.0 Credits**

The dissertation is an original research project, the content of which directly relates to the epistemology, theory, and/or practice of the student's creative arts therapy specialization. Students select 9.0 credits from the following variable credit courses:

ARTS 804	Dissertation I	var.
ARTS 805	Dissertation II	var.
ARTS 806	Dissertation III	var.
ARTS 807	Dissertation IV	var.

Electives **9.0 Credits**

Students, with advisement and in accordance with their educational plan, can choose to take a cohort of three electives in the same content area, or may choose to take one elective each in three different content areas. The content areas must be related to those covered in the interdisciplinary seminars. In some cases, as approved by the program director, students may take advanced research course electives.

All electives must be graduate courses and can be selected from those courses offered at Drexel University. In particular, doctoral level courses in the College of Nursing and Health professions, School of Public Health, College of Arts and Sciences, and/or the School of Education may be the most relevant to students in this program. (The Creative Arts in Therapies PhD program director will obtain permission for the student to take the elective from the relevant Dean of the College or School, and the relevant program director and course instructor.)

Content areas that are acceptable for electives include the following: anthropology, biology, creativity, culture and communication, ethics, health psychology, literature, neuroanatomy, neuropsychology, philosophy, psychology, psychoanalysis, sociology, advanced statistics. Additional content areas may be added by special request as approved by the supervising faculty advisor and program director.

Master of Science in Human Nutrition

General Information

The human nutrition major is concerned with normal and therapeutic nutrition for individuals and groups. This major also encompasses nutrition science, the application of the principles of biochemistry, physiology, and biology to human nutritional needs. Current research in human nutrition includes food preference and nutrition, nutrition assessment, and effectiveness of nutrition education (particularly by the use of multimedia) on health and eating habits. Current research in nutrition science includes physiological and genetic determinants of obesity, lipid metabolism, nutraceuticals, and diet-endocrine interrelationships.

Graduate study in Human Nutrition is offered on both a full-time and part-time basis.

Visit the College's MS in Human Nutrition web page for more information.

Graduate Program in Human Nutrition

Undergraduate Prerequisites

The program's approach to graduate study in Human Nutrition is quantitative; therefore, applicants should have demonstrated competency in the coursework or its equivalent listed below.

Applying to the MS in Human Nutrition with Didactic Program in Dietetics (DPD) program requires special planning. Students are admitted only in the Fall term. The first consideration before submitting an application is whether all prerequisites have been met. Students are encouraged to apply as early as possible so that transcripts can be reviewed and prerequisites determined.

Prerequisites

- 1 year English composition and/or literature
- 1 semester general biology with lab to include cells and genetics
- 1 - 2 semesters general chemistry with lab
- 1 semester organic chemistry with lab
- 1 semester biochemistry with lab
- 1 semester human physiology with lab or 2 semesters anatomy & physiology with lab
- 1 semester basic food preparation (DPD track only)
- 1 semester quantity foods (DPD track only)
- 1 semester general psychology
- 1 semester statistic
- 1 semester nutrition

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Master of Science in Human Nutrition

45.0 Credits

General Information

The human nutrition major is concerned with nutrition science, the application of the principles of biochemistry, physiology, and biology to human nutritional needs in health and disease. Current research includes neuro-physiological determinants of food reward in obesity and eating disorders, physiological determinants of food intake memory, novel weight loss treatments, interactions of socioeconomic and food safety factors on food choice, cultural effects on food preference and choice, and nutraceutical effects on immunity. Graduate study in Human Nutrition is offered on a full-time and part-time basis.

Curriculum

Students are required to complete 21 credits of CORE courses and then select 24 credits of electives chosen from courses currently offered in Biology, Nutrition, Food Science, Environmental Science or Public Health after consulting with their advisor. Those students choosing the thesis option substitute 6 credits of research for two elective courses. Those students choosing the non-thesis option are required to pass a comprehensive exam before being granted their MS

Required courses		21.0 Credits
BIO 610	Biochemistry of Metabolism	3.0
BIO 641	Data Analysis in the Biosciences	3.0
NFS 530	Macronutrient Metabolism	3.0
NFS 531	Micronutrient Metabolism	3.0
NFS 601	Research Methods in Human Nutrition	3.0
NFS 629	Readings in Nutritional Science	3.0
BIO 679	Issues in Scientific Research	3.0

Nutrition Science Electives (Students select 3 of the following)		9.0 Credits
NFS 525	Nutritional Assessment	3.0
NFS 545	Nutrition in Critical Care	3.0
NFS 630	Nutrition Counseling	3.0
NFS 634	Women's Issues in Nutrition	3.0
NFS 640	Nutrition of the Schoolchild	3.0
NFS 641	Nutrition in Later Maturity	3.0
NFS 690	Community Nutrition	3.0
NFS 696	Methods of Teaching Dietetics	3.0
NFS 732	Weight Management and Eating Disorders	3.0

Electives	15.0 Credits
In consultation with their graduate advisory committee or graduate advisor, students select electives from departmental or related course offerings. Some examples include the following:	

BIO 670	Medical Microbiology	3.0
BIO 680	Immunology	3.0
BMES 604	Pharmacogenomics	3.0
FDSC 560	Advanced Food Chemistry	3.0
ENVS 621	Epidemiology	3.0
ENVS 636	Principles of Toxicology I	3.0

Thesis Option

Students selecting the thesis option may include up to 6 credits of NFS 997 Research in Nutrition and Food Sciences among their **electives**.

Non-thesis Option

Students selecting the non-thesis option are required to pass a written comprehensive examination. Students electing the non-thesis option may include up to 3 credits of NFS 997 Research in Nutritional and Food Sciences among their **electives**.

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Master of Science in Human Nutrition Didactic Program in Dietetics (DPD) Track

45.0 Credits

The Didactic Program in Dietetics (DPD) provides the coursework that is required to become a Registered Dietitian. Students who want to become a Registered Dietitian must successfully complete coursework approved by the Commission on Accreditation for Dietetics Education of the American Dietetics Association (ADA). Drexel University is one of the first universities in the country to offer the DPD program on the graduate level.

The MS in Human Nutrition with the DPD option is a full- or part-time program with courses offered in the evening. The program is 45 credits with a written comprehensive exam and may be completed in 2 years with full-time study. After completing the MS in Human Nutrition, students participating in this program will also receive a Verification Statement which shows successful completion of the DPD.

First Year

FDSC 506	Food Composition and Behavior	3.0
NFS 530	Macronutrient Metabolism	3.0
NFS 531	Micronutrient Metabolism	3.0
NFS 546	World Nutrition	3.0
NFS 680	Special Topics: Dietetics Seminar	3.0
NFS 680	Special Topics: Nutritional Assessment Through Lifespan	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0

Second Year

NFS 543	Medical Nutrition Therapy I	3.0
NFS 544	Medical Nutrition Therapy II	3.0
NFS 545	Nutrition in Critical Care	3.0
NFS 630	Nutritional Counseling	3.0
NFS 680	Special Topics: Foodservice Systems Management	3.0
NFS 690	Community Nutrition	3.0
NFS 849	Readings in Therapeutic Nutrition	3.0

Doctor of Nursing Practice in Nursing Science (DrNP)

About the program

The DrNP, with its focus on clinical nursing practice, is the first Clinical Research Doctor of Nursing Practice degree in the nation. Graduates will be educated for many diverse career roles and will also be able to engage in practical, clinically oriented scholarship and research.

The program is designed as a part-time cohort model, and can be completed in three years. There is also an Alternate Cohort Program for students who want to slow the pace of coursework down (starting in the second year). This program can be completed part-time in four years.

Program objectives

- Prepare doctoral nursing graduates to assume roles in academia, advanced clinical practice, or in executive nursing and health care leadership.
- Provide an educational experience that is innovative, enriching, rigorous and scholarly to encourage graduates to promote the health of a nation, either through direct advanced practice nursing care, or indirectly through teaching, research, and executive leadership in nursing and healthcare.
- Promote the use and integration of technology to support learning and scholarship in doctoral nursing education.
- Contribute to the body of knowledge to further develop the science of nursing through clinical nursing scholarship.

Curricular objectives

The Doctor of Nursing Practice in Nursing Science (with a focus on Clinical Practice) has the following primary curricular objectives:

- Establish a theoretical nursing science background for analyzing clinical nursing phenomena.
- Build upon the student's existing practice knowledge.
- Enhance each student's knowledge with a specialized clinical practicum of his or her own choosing.
- With the use of a specialized role practicum, support the importance of role development for clinical nursing scholars with the doctorate who may choose from a variety of career opportunities.
- Emphasize clinical nursing research with the aim of improving health across the life span through scientific inquiry.

It is important to note that the DrNP program is an academic doctorate, requiring the completion of a clinical dissertation. The clinical dissertation is scholarly and is generally completed in one year. It should substantively contribute to nursing science knowledge, but differs both in scope and in its applied emphasis from the typical PhD dissertation. View the Curriculum for more detailed information about specific degree requirements.

For additional information about the program, visit the College of Nursing's DrNP Program web page.

Doctor of Nursing Practice in Nursing Science (DrNP)

48.0 quarter credits (minimum)

Curriculum

This cohort program is designed to be completed part-time in three calendar years.

The curriculum offers four different career tracks:

- **The Practitioner Track:** for the student who wants to remain in clinical practice post-graduation.
- **The Educator Track:** for the student who aspires to a career as a nursing professor, but who also wants a doctorate more grounded in clinical practice.
- **The Clinical Scientist Track:** for graduates who seek a clinical research career, particularly in clinical trials management or as a stepping stone to a postdoctoral research fellowship.
- **The Clinical Executive Track:** for graduates who want careers in executive nursing and health care management, but who still prefer a nursing doctorate with a connection to clinical practice.

Degree Requirements

All students select a clinical specialty focus and complete a related clinical and role practicum and a clinically-focused dissertation. The doctoral curriculum is constructed around five core fields:

Nursing Science Core		12.0 Credits
NURS 700	Philosophy of Natural and Social Science: Foundations for Inquiry into the Discipline of Nursing	3.0
NURS 716	The Structure of Scientific Knowledge in Nursing	3.0
NURS 715	Human Responses to Altered Psychologic Function in Health and Illness	3.0
NURS 710	Human Responses to Altered Physiologic Function in Health and Illness	3.0

Nursing Practice Core		12.0 Credits
NURS 703	The Politics of Health: Implications for Nursing Practice	3.0
NURS 836	Clinical and Applied Ethics in Nursing Practice	3.0
NURS 830	Doctoral Nursing Practice Clinical Practicum	3.0
NURS 835	Doctoral Nursing Practice Role Practicum	3.0

Research Methods Core		9.0 Credits
NURS 717	Applied Clinical Epidemiology and Biostatistics	3.0
NURS 718	Quantitative Methods for Clinical Nursing Inquiry	3.0
NURS 819	Qualitative Methods for Clinical Nursing Inquiry	3.0

Cognate Core	6.0 Credits
Two approved electives for course of study (must support either the clinical practicum, role practicum, or clinical dissertation)	6.0

Dissertation Core	9.0 Credits
NURS 900 Dissertation Seminar	3.0
NURS 996 Dissertation Advisement I	2.0
NURS 997 Dissertation Advisement II	2.0
NURS 998 Dissertation Advisement III	2.0
Any student may be assigned additional cognates to properly support the dissertation topic	

Note: Residency Requirement

A one-week on-campus intensive residency requirement the first week of the summer quarter each year (for two years) is required. Students must complete both weeks of summer residency. During each year's summer week of residency, a noted clinical nursing scholar will be featured and students will attend workshops on statistical and qualitative software instruction, participate in scholarly presentations, network with fellow student colleagues and faculty, and prepare for completion of the program, dissertation proposal, and dissertation. Students who do not progress normally through the cohort program may be required to attend additional summer intensive residencies until they are eligible to register for the Dissertation Seminar.

MSN in Clinical Trials Research

The MSN in Clinical Trials Research provides knowledge and skills in several critical areas: applying FDA rules and regulations; phases of clinical research investigation; new drug approval processes; drug protocol development; budgeting for clinical trials; informed consent; patient and family issues; and business management and marketing for clinical trials.

The program is accredited by the National League for Nursing Accreditation Commission and the Commission on Collegiate Nursing Education.

The program requires 45 credits and is designed for part-time attendance by working nurses.

Additional information is also available on Drexel's College of Nursing and Health Professions MSN in Clinical Trials web page.

MSN in Clinical Trials Research

45.0 credits

About the Curriculum

The curriculum is based on the following principles:

- All areas of specialization have in common a core of advanced nursing knowledge.
- Every graduate must have knowledge and skill in research and the ability to evaluate and apply research findings.
- The nursing profession anticipates and responds to changing societal, health care and professional needs.
- The foundation for specialization in professional nursing practice is graduate-level education that builds on undergraduate education.

Core courses		18.0 Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
Support courses		7.0 Credits
NURS 548	Advanced Pathophysiology	3.0
NURS 549	Advanced Pharmacology	3.0
NURS 669	Professional Seminar for Advanced Nursing Practice	1.0
Major Courses		17.0 Credits
NURS 557	Leadership and Stewardship in the Health Professions	3.0
NURS 582	Foundations of Good Clinical Practice in Clinical Trials Management	3.0
NURS 583	Operational Leadership in Clinical Trials Management	3.0
NURS 584	Current Topics in Clinical Trials Management	3.0
NURS 585	Clinical Trials Research Practicum	5.0
Elective		3.0 Credits
Elective		3.0

For additional information, visit Drexel's College of Nursing and Health Professions MSN in Clinical Trials web page.

MSN in Clinical Nurse Leader in Adult Health

The Clinical Nurse Leader in Adult Health program emphasizes evidence-based approaches to the solution of clinical problems, assessment of nursing and health care outcomes, clinical decisionmaking and the design of nursing care for clinical populations at the clinical unit or similar small system level, lateral care integration, and clinically-based leadership. Clinical practicum experiences provide opportunities for students to deepen clinical skills and develop additional competencies for the management of clients' health care needs at the point-of-care. Precepted clinical experiences will include activities such as modeling of care, assessment and evaluation of aggregate patient outcomes, case management and service integration, unit and interdisciplinary team leadership, teaching and mentoring of staff.

The program is accredited by the National League for Nursing Accreditation Commission and the Commission on Collegiate Nursing Education

Additional information is also available on Drexel's College of Nursing and Health Professions' MSN in Clinical Nurse Leader in Adult Health web page.

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MSN in Clinical Nurse Leader in Adult Health

MSN Core courses		18.0 Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
Support courses		13.0 Credits
NURS 548	Advanced Pathophysiology	3.0
NURS 549	Advanced Pharmacology	3.0
NURS 550	Advanced Physical Assessment and Diagnostic Reasoning	4.0
NURS 557	Leadership and Stewardship in the Health Professions	3.0
Electives		6.0 Credits
	Health outcomes elective (chosen with the advisement of the track coordinator)	3.0
	Epidemiology elective (chosen with the advisement of the track coordinator)	3.0
Clinical courses		14.0 Credits
NURS 621	Nursing Concentration - Adult Health I	7.0
NURS 621	Nursing Concentration - Adult Health II	7.0

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MSN in Innovation and Intra/Entrepreneurship in Advanced Nursing Practice

46.0 quarter credits

About the Program

The MSN in Innovation and Intra/Entrepreneurship in Advanced Nursing Practice is designed for the graduate nursing student who seeks to re-invent and innovate the nursing practice in a variety of roles: as clinician, educator, administrator, clinical scientist, or in the business of healthcare. The program emphasizes entrepreneurial and curriculum flexibility and includes a substantive capstone project that demonstrates innovation and the extension of the creative boundaries in nursing education, nursing administration, and nursing practice.

For information about the online delivery format of this program, visit the Drexel University Online MSN Innovation and Intra/Entrepreneurship in Advanced Nursing Practice web page.

Curriculum

MSN Core courses		18.0 Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
Required Track courses		18.0 Credits
NURS 586	Innovation in Advanced Nursing Practice: Theory and Practice	3.0
NURS 587	Case Studies in Intra/Entrepreneurship and Innovation in Nursing	3.0
NURS 588	The Nurse as Intra/Entrepreneur and Consultant	3.0
NURS 636	Capstone Project I	3.0
NURS 637	Capstone Project II	3.0
NURS 638	Capstone Project III	3.0
Professional Seminar		1.0 Credit
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0
Electives (by advisement with track coordinator)		9.0 Credits

MSN in Nurse Anesthesia

The Master of Science in Nursing (MSN) in nurse anesthesia is a 28-month, 89 quarter credit, full-time program. The program offers 18 theoretical nursing and research credits, a 15 quarter credit basic science component, a 31 quarter credits didactic anesthesia component and a 25 credit clinical component. Upon successful completion of the program's outcomes the student is awarded an MSN in nurse anesthesia and is eligible to take the national certification examination offered by the NBCRNA Council on Certification of Nurse Anesthetists.

The Nurse Anesthesia Program is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs, 222 South Prospect Avenue, Suite 304, Park Ridge, IL 60068, 847-692-7050.

PMC in Nurse Anesthesia

The College of Nursing and Health Professions also offers a Post-Master's Certificate (PMC) in Nurse Anesthesia option. The PMC is a 28-month 68 quarter credit, full-time program. The program offers 3 theoretical nursing and research credits, 9 quarter credits in basic science, a 31 quarter credits didactic anesthesia component and a 25 credit clinical component. Upon successful completion of the program's outcomes the student is awarded a PMC in nurse anesthesia and is eligible to take the national certification examination offered by the NBCRNA Council on Certification of Nurse Anesthetists.

Additional information

For more information, contact the Academic Advisor of the Nurse Anesthesia Program:

MSN Programs Academic Advisor
1505 Race St. 215-762-8347

Additional information is also available on Drexel's College of Nursing and Health Professions Nurse Anesthesia Program web page.

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MSN in Nurse Anesthesia

Admission

The Nurse Anesthesia program begins annually in January. Applications are reviewed continually. Applications should be made 12-18 months in advance of the anticipated January start date. Interviews are conducted throughout the year. Prospective applicants must demonstrate their ability to pursue graduate work, as exemplified by high scholastic achievement, high aptitude-test scores, and letters of recommendation. Applicants for the Nurse Anesthesia programs may submit scores from the Miller Analogies Test (MAT) in lieu of the GRE.

For detailed admission requirements, visit the College's Nursing: MSN in Nurse Anesthesia Admission Requirements web page.

Application forms may be obtained from the Drexel Admissions web site.

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MSN in Nurse Anesthesia

89.0 quarter credits

About the Curriculum

MSN Core courses		21.0 Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
NURS 549	Advanced Pharmacology	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0

Nurse Anesthesia Core		56.0 Credits
NURS 503	Basic Principles of Nurse Anesthesia	3.0
NURS 504	Overview of Nurse Anesthesia	3.0
NURS 505	Chemistry and Physics	3.0
NURS 507	Nurse Anesthesia Pharmacology I	3.0
NURS 510	Advanced Principles of Nurse Anesthesia I	3.0
NURS 511	Nurse Anesthesia Pharmacology II	3.0
NURS 515	Advanced Principles of Nurse Anesthesia II	3.0
NURS 518	Advanced Principles of Nurse Anesthesia III	3.0
NURS 530	Anesthesia Seminar	1.0
NURS 659	Advanced Principles of Nurse Anesthesia IV	3.0
NURS 688	Clinical Correlation Seminars	3.0
NURS 508	Nurse Anesthesia Clinical Practicum I	1.0
NURS 512	Nurse Anesthesia Clinical Practicum II	1.0
NURS 516	Nurse Anesthesia Clinical Practicum III	2.0
NURS 517	Nurse Anesthesia Clinical Practicum IV	3.0
NURS 683	Nurse Anesthesia Clinical Practicum V	3.0
NURS 684	Nurse Anesthesia Clinical Practicum VI	3.0
NURS 687	Clinical Residency I	6.0
NURS 689	Clinical Residency II	6.0

Physiological Science Courses		12.0 Credits
NURS 520	Advanced Physiology	3.0
NURS 521	Advanced Pathophysiology I	3.0
NURS 522	Advanced Pathophysiology II	3.0

MSN Nursing Education & Faculty Role Track

The nurse educator may be found in myriad settings, including hospitals, long-term care facilities, community centers, and corporate and philanthropic organizations. This program prepares nurses to become educational leaders. Program content includes integration of theories specific to adult learning, curriculum design, and evaluation of courses and programs. The program combines theory, research, and practice from the disciplines of education, management, and leadership. This content is applicable in a variety of settings in both the academic and clinical arenas. The program has an online format, and is designed for part-time attendance by working nurses. In addition to the online coursework, two terms of practicum are required.

The program is fully accredited by National League for Nursing Accreditation Commission and the Commission on Collegiate Nursing Education (CCNE).

Additional information is also available on Drexel's College of Nursing and Health Professions' Nursing Education & Faculty Role Track page.

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MSN in Nursing Education & Faculty Role

46.0 quarter credits

About the Curriculum

This online masters program prepares nurses to work as nurse educators in settings such as hospitals, universities, schools, long-term care facilities, community centers, corporate and philanthropic organizations.

The program integrates theories specific to adult learning, curriculum design and evaluation of courses and programs. It combines theory, research and practice from the disciplines of education, management and leadership. Knowledge and skills gained through this program are applicable in a variety of settings in both the academic and clinical arenas.

Core courses		18.0 Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
Required Track Courses		24.0 Credits
NURS 597	Clinical and Didactic Teaching Methods in Nursing Education	3.0
NURS 598	Teaching Critical Thinking and Clinical Decision-Making in Nursing	3.0
NURS 599	Curriculum Design in Nursing Education	3.0
NURS 600	Measurement and Evaluation in Nursing Education	3.0
NURS 613	The Role and Responsibilities of the Nursing Professor	3.0
NURS 614	Technologies for Nursing Education and Practice	3.0
NURS 626	Masters Nursing Education Practicum I	3.0
NURS 627	Masters Nursing Education Practicum II	3.0
Professional Seminar		1.0 Credit
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0
Elective		3.0 Credits
Elective (500-level or above)		3.0

MSN in Nursing Leadership in Health Systems Management

The Nursing Leadership in Health Systems Management program, designed for part-time attendance by working nurses, prepares students to become nursing leaders in today's rapidly changing health care environment. The program focuses on development of a leadership style and skills set, fiscal management, legal and ethical issues affecting individuals and organizations, strategic planning, integrated quality outcomes measurement, organizational structures, and marketing and management of human resources within organizations. The program provides the student with information and strategies to problem solve, make decisions, resolve conflict, and operationalize the mission and goals of the health care delivery system.

The program is fully accredited by National League for Nursing Accreditation Commission and the Commission on Collegiate Nursing Education (CCNE).

Additional information is also available on the College's Nursing Leadership in Health Systems Management web page.

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MSN in Leadership in Health Systems Management

46.0 quarter credits

About the Curriculum

The content addresses the four key areas of organizations: leading the human side of the enterprise, managing resources, managing operations, and managing information. Two threads are incorporated throughout all courses: the importance of professional image in written and live presentations and the use of technology to support and enhance management and care delivery outcomes.

MSN Core courses		18.0 Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
Required Nursing Leadership in Health Systems Management Track courses		27.0 Credits
NURS 557	Leadership and Stewardship in the Health Professions	3.0
NURS 558	Economics of Healthcare Management and Policy	3.0
NURS 559	Operations Management in Contemporary Healthcare Organizations	3.0
NURS 563	Building and Leading High Performance Healthcare Organizations	3.0
NURS 564	The Business of Healthcare	3.0
NURS 567	Strategic Management: Power, Politics and Influence in Healthcare Systems	3.0
NURS 568	Practicum and Symposium in Healthcare Operations Management	3.0
NURS 569	Practicum and Symposium of Nurse Administrators in the Management of Information	3.0
	Elective (chosen with the advisement of the track coordinator)	3.0
Professional Seminar		1.0 Credit
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0

MSN Nurse Practitioner Programs: Adult Acute Care Practitioner Track

55 quarter credits; 640 clinical hours

The online Adult Acute Care Nurse Practitioner program is designed to prepare practitioners for professional practice in the management of medical, surgical, and critical-care adult patient populations. Didactic and seminar courses provide a knowledge base for the management of adult complex acute, critical, and chronic health care conditions. Clinical practicum rotations allow students to put the principles they have learned into practice in medical, surgical, and critical care settings. Upon completing the program, graduates pursue practice roles across the continuum of acute care services ranging from high-acuity hospital based emergency or intensive care settings to specialty based practices. Graduates are eligible to sit for the ANCC's Adult Acute Care Nurse Practitioner Certification Examination.

The nurse practitioner faculty are committed to quality and excellence in the online nurse practitioner (NP) programs. Campus visits are essential to students transitioning into the NP role. Students meet on campus for a mandatory on-campus Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations. The residencies afford faculty the opportunity to provide students with direct support, guidance, and mentoring while they provide students with the opportunity to interact with faculty and collaborate with peers. The on-campus visits allow faculty to ensure that 1) students are adequately prepared to enter the clinical environment and 2) that students are adequately prepared to graduate from the program.

For information about the online delivery format of this program, visit Drexel's Online MSN Adult Acute Care Nurse Practitioner web page.

Curriculum

MSN - Adult Acute Care Nurse Practitioner Track

Core courses		Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
Support courses		
NURS 548	Advanced Pathophysiology	3.0
NURS 549	Advanced Pharmacology	3.0
NURS 550	Advanced Physical Assessment and Diagnostic Reasoning	4.0
NURS 554	Pharmacology for Acute Care Nurse Practitioners	3.0

NURS 664	Professional Seminar for Nurse Practitioners	1.0
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Elective

	Elective	3.0
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Clinical Courses

NURS 570	Adult Acute Care Nurse Practitioner I: Role and Scope of Practice	5.0
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NURS 571	Adult Acute Care Nurse Practitioner II: Management and Care of Clients in Medical Settings	5.0
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NURS 572	Adult Acute Care Nurse Practitioner III: Management and Care of Clients in Surgical Settings	5.0
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NURS 573	Adult Acute Care Nurse Practitioner IV: Management and Care of Clients in Critical Care Settings	5.0
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MSN Nurse Practitioner Programs: Adult Psychiatric Mental Health Practitioner Track

55 quarter credits; 640 clinical hours

The online Psychiatric Mental Health Nurse Practitioner track prepares practitioners to provide a wide range of services to adults and their families. The program of study is based on a biopsychosocial model of care. It includes the study and application of diagnostic and treatment modalities, and theories and approaches to practice. Graduates practice in a wide variety of settings as this program enables them to provide direct (assessment, intervention) and indirect (consultation, case management, and supervision) advanced practice services to individuals who are at risk and those who need mental health services. They are eligible to sit for the ANCC's Adult Psychiatric and Mental Health Certification Examination.

The nurse practitioner faculty are committed to quality and excellence in the online nurse practitioner (NP) programs. Campus visits are essential to students transitioning into the NP role. Students meet on campus for a mandatory Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations. The residencies afford faculty the opportunity to provide students with direct support, guidance, and mentoring while they provide students with the opportunity to interact with faculty and collaborate with peers. The on-campus visits allow faculty to ensure that 1) students are adequately prepared to enter the clinical environment and 2) that students are adequately prepared to graduate from the program.

For information about the online delivery format of this program, visit the Drexel University Online MSN Adult Psychiatric Nurse Practitioner web page.

Curriculum MSN - Adult Psychiatric Mental Health Practitioner Track

Core courses		Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
Support courses		
NURS 548	Advanced Pathophysiology	3.0
NURS 549	Advanced Pharmacology	3.0
NURS 550	Advanced Physical Assessment and Diagnostic Reasoning	4.0
NURS 555	Psychopharmacology	3.0
NURS 664	Professional Seminar for Nurse Practitioners	1.0
Elective		

Elective

3.0

Clinical Courses

NURS 592	Psychiatric Mental Health Nurse Practitioner I: Theoretical Foundations of Psychiatric Mental Health Nursing	5.0
NURS 593	Psychiatric Mental Health Nurse Practitioner II: Management and Care of Clients with Acute and Chronic Mental Illness	5.0
NURS 594	Psychiatric Mental Health Nurse Practitioner III: Psychiatric Conditions in Primary Care	5.0
NURS 595	Psychiatric Mental Health Nurse Practitioner IV: Management and Mental Health Care of Special Populations	5.0

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MSN Nurse Practitioner Programs: Family Nurse Practitioner Track

59 quarter credits; 720 clinical hours

The Family Nurse Practitioner (FNP) track focuses on the application of advanced-practice nursing knowledge—including physical, psychosocial, and environmental assessment skills—to manage common health and illness problems of clients of all ages. It emphasizes health promotion and disease prevention. Family nurse practitioners primarily practice in ambulatory-care settings, such as primary care clinics, physician offices, HMOs, outpatient clinics, schools, nursing centers, emergency departments, long-term care facilities, industry, the armed services, public health departments, correctional institutions, and home health agencies.

Students in all Tracks meet together on campus for a mandatory on-campus Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations.

Graduates of the program are eligible to sit for the ANCC's Family Nurse Practitioner Examination and /or the AANP's Family Nurse Practitioner Examination.

MSN - Family Nurse Practitioner Track

Core courses		Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
Support courses		
NURS 548	Advanced Pathophysiology	3.0
NURS 549	Advanced Pharmacology	3.0
NURS 550	Advanced Physical Assessment and Diagnostic Reasoning	4.0
NURS 556	Pharmacology for Family Nurse Practitioners	3.0
NURS 664	Professional Seminar for Nurse Practitioners	1.0
Elective		
	Elective	3.0
Clinical Courses		
NURS 575	Family Nurse Practitioner I: Primary Care of Infants, Children and Adolescents	5.0
NURS 578	Family Nurse Practitioner II: Primary Care of Women	5.0
NURS 576	Family Nurse Practitioner III: Primary Care of Adults	5.0

NURS 577	Family Nurse Practitioner IV: Primary Geriatric Care	5.0
NURS 579	Family Nurse Practitioner IV: Integrative Practicum in Family Practice	4.0

MSN Nurse Practitioner Programs: Pediatric Primary Care Practitioner Track

55 quarter credits; 640 clinical hours

The Primary Care Pediatric Nurse Practitioner track is directed toward preparing nurse practitioners who will take advanced nursing roles as clinicians, educators, researchers, and leaders in the rapidly changing, evidence-driven health care environment. The program emphasizes evidence-based practice, interdisciplinary collaboration, and critical use of evolving technology in the care of children and their families. While most pediatric nurse practitioners practice in primary care settings, the continuum of child health care spans the geographic settings of home care, ambulatory care, specialty care practice, urgent care, and rehabilitative care. Pediatric nurse practitioners provide advanced nursing care across the continuum of health care services to meet the specialized physiologic and psychologic needs of patients from infancy through adolescence, and have competencies to manage well-child care as well as complex, acute, and chronic health care conditions within a family-centered health care model.

Students meet on campus for a mandatory Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations.

Graduates are eligible to sit for the ANCC's Pediatric Nurse Practitioner Examination and/ or The PNCB's Pediatric Nurse Practitioner Examination. See the College's MSN Nurse Practitioner Programs web site for more information.

MSN - Pediatric Primary Care Practitioner Track

Core courses		Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
Support courses		
NURS 548	Advanced Pathophysiology	3.0
NURS 549	Advanced Pharmacology	3.0
NURS 550	Advanced Physical Assessment and Diagnostic Reasoning	4.0
NURS 646	Pharmacology for Pediatric Nurse Practitioners	3.0
NURS 664	Professional Seminar for Nurse Practitioners	1.0
Elective		
	Elective	3.0

Clinical Courses

NURS 642	Pediatric Nurse Practitioner I: Wellness, Health Promotion & Disease Prevention in Infants, Children and Adolescents	5.0
NURS 643	Pediatric Nurse Practitioner II: Episodic Care of Infants, Children, and Adolescents	5.0
NURS 644	Pediatric Nurse Practitioner III: Primary Care Issues in Children with Chronic Illness	5.0
NURS 645	Pediatric Nurse Practitioner IV: Primary Care of Adolescents	5.0

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MSN Nurse Practitioner Programs: Women's Health Nurse Practitioner

58 quarter credits; 640 clinical hours minimum

In 2006, Planned Parenthood Federations of America (PPFA) made the decision to transfer the program for a Women's Health Nurse Practitioner Certificate to the Drexel University College of Nursing and Health Professions. In making this transition, it is now a MSN Women's Health Nurse Practitioner program.

The online Women's Health Nurse Practitioner track offers students both full and part time course of study options. Didactic and clinical education is delivered via distance online learning and pre-approved community based clinical preceptorships. The courses offered throughout the track reflect the competencies and skill sets required for today's Women's Health Nurse Practitioner as knowledge expands, health care systems evolve, technology advances and practice changes in response to current needs and evidence based research.

The nurse practitioner faculty are committed to quality and excellence in the online nurse practitioner (NP) programs. Campus visits are essential to students transitioning into the NP role. Students meet on campus for a mandatory on-campus Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations. The residencies afford faculty the opportunity to provide students with direct support, guidance, and mentoring while they provide students with the opportunity to interact with faculty and collaborate with peers. The on-campus visits allow faculty to ensure that 1) students are adequately prepared to enter the clinical environment and 2) that students are adequately prepared to graduate from the program.

Curriculum

MSN - Women's Health Nurse Practitioner

MSN Core courses		Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
Support courses:		
NURS 548	Advanced Pathophysiology	3.0
NURS 549	Advanced Pharmacology	3.0
NURS 550	Advanced Clinical Assessment and Diagnostic Reasoning	4.0
NURS 678	Health, Wellness and Primary Care for Women's Health Nurse Practitioners I	3.0
NURS 679	Health, Wellness and Primary Care for Women's Health Nurse Practitioners II	3.0

NURS 682	Pharmacology for Women's Health Nurse Practitioners I	3.0
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Practicum courses:

NURS 690	Management and Care of the Gynecological Needs of Women I	5.0
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NURS 691	Management and Care of the Gynecological Needs of Women II	5.0
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NURS 692	Management and Care of the Obstetrical Needs of Women and Families I	5.0
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NURS 693	Management and Care of the Obstetrical Needs of Women and Families II	5.0
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Professional Seminar

NURS 664	Professional Seminar for Women's Health Nurse Practitioners	1.0
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MSN Completion Program for Women's Health Nurse Practitioners

30 quarter credits

This program prepares nurses to provide primary health care services to women in a variety of practice settings. The program is a collaborative endeavor between Drexel University and the Planned Parenthood Federation of America's OB/GYN Nurse Practitioner program. Applicants must be graduates of a NPWH-accredited program, must be intending to enroll in such a program, or may be enrolled concurrently in both the NPWH-accredited program and the University.

Graduates are eligible for licensure as women's health care nurse practitioners by the Commonwealth of Pennsylvania.

Curriculum

MSN Completion Program for Women's Health Nurse Practitioners

MSN Core courses		Credits
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
NURS 500	Confronting Issues in Contemporary Health Care Environments	3.0
NURS 502	Advanced Ethical Decision Making in Health Care	3.0
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
NURS 527	Evidence-Based Approaches to Practice	3.0
Elective		
Electives		12.0

For additional information, visit the College's MSN Nurse Practitioner web page.

Residency Week Requirements for Online Programs

The Nurse Practitioner Faculty are committed to quality and excellence in the online Nurse Practitioner (NP) Programs. Campus visits are essential to students transitioning into the NP role. The residencies afford faculty the opportunity to provide students with direct support, guidance, and mentoring while they provide students with the opportunity to interact with faculty and collaborate with peers. The on-campus visits allow faculty to ensure that 1) students are adequately prepared to enter the clinical environment and 2) that students are adequately prepared to graduate from the program. Students meet on campus for 10 days at the beginning of the clinical practicum rotations and for one week at the end of the clinical practicum rotations.

The Residency Week at the beginning of the practicum courses allows students to finish the Advanced Physical Assessment Course on Campus. Students take the final Advance Physical Assessment examination on campus. There is supervised lab time for instruction and practice prior to students re-demonstrating a graded **Pass/Fail** head to toe physical examination. In addition, students utilize the newly built state of the art Standardized Patient Lab to participate in a non-graded Standardized Patient Experience. This digitally taped experience allows students retrieve the encounter for self-review and for review with faculty while on campus.

The week also includes an Orientation to Clinical, Workshops, Lectures, and an out on the town Networking Dinner. Workshops are designed to meet the needs of the specialized tracks: Acute Care Nurse Practitioner Students utilize SimMan for emergent and acute care simulated case learning experiences; Family Nurse Practitioner Students learn, hands on, how to perform Common Office Procedures; and the Psychiatric/Mental Health Students utilize Standardized Patients for simulated therapeutic and med- management cases.

The Residency Week at the end of the clinical practicum experience includes a graded pass/fail Standardized Patient Experience, preparation for Graduation, Licensure and Certification, the National Certifying Examinations and entry into practice. Workshops, lectures, and networking events are also conducted.

All travel, dining, and housing expenses incurred for the Residency Weeks are the responsibility of the student.

MSN for Nurses With a Non-Nursing BA or BS (MSN-Bridge Program)

About the Program

An RN/MSN“bridge” program is available for nurses who hold a non-nursing BA or a BS. Applicants to this program must complete the admission process to the MSN program and seek initial advisement from the academic adviser and from the Nurse Practitioner or Nurse Anesthesia program director. The graduate program director reviews the applicant’s file for program eligibility, and prerequisites are established on an individual basis.

The “bridge” consists of three undergraduate courses which are available entirely online and are delivered in 10-week, quarter term sessions. At least one and often several bridge courses are offered in any given term. Most bridge courses include mandatory chat sessions.

In general, applicants must take three designated BSN-level courses — NURS 325: Critical Issues Shaping Professional Nursing (3 quarter credits); NURS 375: Nurses Building a Healthy Community: Theory and Practice (6 quarter credits); and NURS 462: Science, Technology, and Health: A Nursing Perspective (6 quarter credits).

Students who completed a community/public health nursing course in their initial nursing program may, with prior approval, be permitted to take NURS 460: Global Health and Policy Issues (6 quarter credits) instead of NURS 375.

After successfully completing all requirements, and after admission to the MSN program, students progress directly into graduate-level courses. (Note: The BSN is not awarded in this program.)

See the College’s Nursing: MSN-Bridge Program web page for more details about the program, and visit the Drexel University Online MSN Bridge Program web page for information about the online delivery format.

Required Courses		Credits
NURS 325 WI	Critical Issues Shaping Professional Nursing	3.0
NURS 375	Nurses Building a Healthy Community: Theory and Practice	6.0
NURS 462	Science, Technology, and Health: A Nursing Perspective	6.0

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Adult Acute Care Nurse Practitioner Certificate

24.0 credits

This certificate is offered to those individuals who have earned a master's degree in nursing and seek further preparation in another area of nursing. Transcripts will be reviewed and course work will be determined on an individual basis. Students meet on campus for a mandatory on-campus Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations.

Program of Study

All post-master's students in Nurse Practitioner Tracks must transfer in three credits (quarter or semester) of master's-level Advanced Pathophysiology or Advanced Physiology, Advanced Pharmacology, and Advanced Physical Assessment. If these courses are not transferred in they must be taken at Drexel prior to the first clinical course. Students should check with the MSN Program Coordinator for the exact schedule. Acute Care Pharmacology is required prior to beginning the clinical courses.

Required Courses

Summer

NURS 570	Adult Acute Care Nurse Practitioner I: Role and Scope of Practice	5.0
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Fall

NURS 571	Adult Acute Care Nurse Practitioner II: Management and Care of Clients in Medical Settings	5.0
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Winter

NURS 572	Adult Acute Care Nurse Practitioner III :Management and Care of Clients in Surgical Settings	5.0
NURS 554	Pharmacology for the Acute Care Nursing Practitioner	3.0

Spring

NURS 573	Adult Acute Care Nurse Practitioner IV: Management and Care of Clients in Critical Care Settings	5.0
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0

For more information, visit the Nursing Certificate web page.

Adult Psychiatric Mental Health Nurse Practitioner Certificate

24.0 credits

This certificate is offered to those individuals who have earned a master's degree in nursing and seek further preparation in another area of nursing. Transcripts will be reviewed and course work will be determined on an individual basis. Students meet on campus for a mandatory on-campus Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations.

Program of Study

All post-master's students in Nurse Practitioner Tracks must transfer in three credits (quarter or semester) of master's-level Advanced Pathophysiology or Advanced Physiology, Advanced Pharmacology, and Advanced Physical Assessment. If these courses are not transferred in they must be taken at Drexel prior to the first clinical course. Students should check with the MSN Program Coordinator for the exact schedule. Psychopharmacology is required prior to beginning the clinical courses.

Required Courses

Summer

NURS 592	Psychiatric Mental Health Nurse Practitioner I: Theoretical Foundations of Psychiatric Mental Health Nursing	5.0
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Fall

NURS 593	Psychiatric Mental Health Nurse Practitioner II: Management and Care of Clients with Acute and Chronic Mental Illness	5.0
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Winter

NURS 594	Psychiatric Mental Health Nurse Practitioner III: Psychiatric Conditions in Primary Care	5.0
NURS 555	Psychopharmacology	3.0

Spring

NURS 595	Psychiatric Mental Health Nurse Practitioner IV: Management and Mental Health Care of Special Populations	5.0
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0

For more information, visit the Nursing Certificate web page.

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Certificate in Clinical Trials Research

14.0 credits

The certificate program is designed for individuals who have earned an undergraduate degree in nursing and seek further preparation in clinical trials research.

Required courses		14.0 Credits
NURS 582	Foundations of Good Clinical Practice in Clinical Trials Management	3.0
NURS 583	Operational Leadership in Clinical Trials Management	3.0
NURS 584	Current Topics in Clinical Trials Management	3.0
NURS 585	Clinical Trials Research Practicum	5.0

For more information, visit the Drexel Online University web site and view the Certificate in Clinical Trials web page.

Certificate of Advanced Study in Complementary and Integrative Therapies

12.0 Credits

The Certificate of Advanced Study in Complementary and Integrative Therapies (CIT) is designed to provide practicing healthcare professionals with an "evidence-based program" in complementary and integrative therapies. This knowledge will allow them to assess, guide and evaluate patient use and to integrate CIT into their professional practice. The program provides students with the cultural and theoretical basis for applying complementary and integrative therapies while focusing on the skills and techniques of specific therapies.

This program is applicable to a wide range of healthcare professionals including nurses, nurse practitioners, physician's assistants, creative arts therapists, couple and family therapists, women's health practitioners, members of oncology organizations, members of AHNA and more. Admission requires a minimum of a bachelor's degree from an accredited college or university,

The program content is congruent with the educational standards set forth by the American Association of Holistic Nurses (AHNA) and the Foundations in Clinical Aromatherapy course adheres to the educational standards (level one) set forth by the National Association for Holistic Aromatherapy (NAHA).

For additional information about this online certificate program visit the College of Nursing's Certificate of Advanced Study in Complementary and Integrative Therapies web page.

Curriculum

Required Courses **9.0 Credits**

CIT 501	Foundations of Phytotherapy	3.0
CIT 502	Theoretical and Cultural Foundations in Complementary and Integrative Therapies	3.0
CIT 503	Holistic Living for the Caregiver	3.0

In addition, students select one of the following courses: **3.0 Credits**

CIT 511	Spirituality, Health, and Healing	3.0
CIT 512	Body Movement Therapies	3.0
CIT 513	Yoga for the Enlightened Practitioner	3.0
CIT 600	Foundations in Clinical Aromatherapy	3.0
CIT 601	Integration of Complementary and Alternative Therapies into Practice	3.0
CIT 602	Women's Integrative Health	3.0
CIT 628	Special Topics in Complementary and Integrative Therapies	3.0

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Certificate in Nursing Education & Faculty Role (I)

12.0 quarter credits

The Certificate in Nursing Education & Faculty Role is offered to those individuals who have earned a bachelor's degree in nursing and seek further education. This graduate certificate program provides a four-course group of classes that focuses on the knowledge and skills required for healthcare provider education roles. Courses are from the MSN in Nursing Education & Faculty Role curriculum.

This is a graduate-level certification program. Upon completion of this certificate program, the student will have 12 graduate credits from an NLN/CCNE approved Master's in Nursing Program. These credits can be used towards an MSN at Drexel or any other university.

For additional information about this certificate program (including admissions criteria) visit the Drexel Online University web site.

Required Courses		12.0 Credits
NURS 597	Clinical and Didactic Teaching Methods in Nursing Education	3.0
NURS 598	Teaching Critical Thinking and Clinical Decision-Making in Nursing	3.0
NURS 599	Curriculum Design in Nursing Education	3.0
NURS 600	Measurement and Evaluation in Nursing Education	3.0

In addition, students select one of the following courses:

NURS 613	The Role and Responsibilities of the Nursing Professor	3.0
NURS 614	Technologies for Nursing Education and Practice	3.0

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Certificate in Nursing Education & Faculty Role (II)

19.0 quarter credits

This Certificate in Nursing Education & Faculty Role is offered to those individuals who have earned a master's degree in nursing and seek further preparation in another area of nursing. The program can be completed through part-time study. Transcripts will be reviewed and course work will be determined on an individual basis.

For additional information about this certificate program (including admissions criteria) visit the Drexel Online University web site.

Required Courses		19.0 Credits
NURS 597	Clinical and Didactic Teaching Methods in Nursing Education	3.0
NURS 598	Teaching Critical Thinking and Clinical Decision-Making in Nursing	3.0
NURS 599	Curriculum Design in Nursing Education	3.0
NURS 600	Measurement and Evaluation in Nursing Education	3.0
NURS 626	Masters Nursing Education Practicum I	3.0
NURS 627	Masters Nursing Education Practicum II	3.0
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0

In addition, students select one of the following courses:

NURS 613	The Role and Responsibilities of the Nursing Professor	3.0
NURS 614	Technologies for Nursing Education and Practice	3.0

Family Nurse Practitioner Certificate

34.0 credits

This certificate is offered to those individuals who have earned a master's degree in nursing and seek further preparation in another area of nursing. Transcripts will be reviewed and course work will be determined on an individual basis. Students meet on campus for a mandatory on-campus Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations.

Program of Study

All post-master's students in Nurse Practitioner Tracks must transfer in three credits (quarter or semester) of master's-level Advanced Pathophysiology (or Advanced Physiology), and Advanced Pharmacology. If these courses are not transferred in they must be taken at Drexel prior to the first clinical course. Pharmacology for Family Nurse Practitioners is required prior to beginning the clinical courses. Students should check with the Please see the MSN Program Coordinator for the exact schedule.

Required Courses

NURS 556	Pharmacology for Family Nurse Practitioners	3.0
NURS 575	Family Nurse Practitioner I: Primary Care of Infants, Children and Adolescents	5.0
NURS 578	Family Nurse Practitioner II: Primary Care of Women	5.0
NURS 576	Family Nurse Pratitioner III: Primary Care of Adults	5.0
NURS 577	Family Nurse Practitioner IV: Primary Geriatric Care	5.0
NURS 579	Family Nurse Practitioner V: Integrative Practicum in Family Practice	4.0
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0
Additional Requirements (may be transferred courses)		
NURS 548	Advanced Pathophysiology	3.0
NURS 549	Advanced Pharmacology	3.0

For more information, visit the Nursing Certificate web page.

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Innovation and Intra/Entrepreneurship in Advanced Nursing Practice Certificate (I)

12.0 credits

This Innovation and Intra/Entrepreneurship in Advanced Nursing Practice Certificate program is for individuals who want to understand the theories of innovation, examine some successful and failed innovations, as well as learn what it takes to be a successful intra/entrepreneur.

Admission to this program requires a bachelor's degree from an accredited college or university.

The certificate requires students to take the three primary courses in Innovation and Intra/Entrepreneurship. Students also complete the first Capstone course, designing an Innovation Project proposal.

Required Courses

Fall

NURS 586	Innovation in Advanced Nursing Practice: Theory and Application	3.0
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Winter

NURS 587	Case Studies in Intra/Entrepreneurship and Innovation in Nursing	3.0
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Spring

NURS 588	The Nurse as Intra/Entrepreneur and Consultant	3.0
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Fall

NURS 636	Innovation Capstone Project I	3.0
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Innovation and Intra/Entrepreneurship in Advanced Nursing Certificate (II)

19.0 credits

This certificate is offered to those individuals who have already earned a master's degree in nursing and seek further preparation in another area of nursing. The program can be completed through part-time study. Transcripts will be reviewed and course work will be determined on an individual basis.

Program of Study

Students complete an "Innovation Project." This program is designed for students who wish to have a guided experience in the implementation and evaluation of a proposed innovation, and who want to actually complete a final work product.

Required Courses

Fall

NURS 586	Innovation in Advanced Nursing Practice: Theory and Application	3.0
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Winter

NURS 587	Case Studies in Intra/Entrepreneurship and Innovation in Nursing	3.0
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Spring

NURS 588	The Nurse as Intra/Entrepreneur and Consultant	3.0
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Fall

NURS 636	Innovation Capstone Project I	3.0
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Winter

NURS 637	Innovation Capstone Project II	3.0
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Spring

NURS 638	Innovation Capstone Project III	3.0
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0

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Leadership and Management Certificate in Healthcare Services

12.0 quarter credits

This certificate program for registered nurses focuses on development of a leadership style and skills set, fiscal and organizational management, strategic planning, integrated quality outcomes measurement, organizational structures, marketing, and management of human resources within organizations. The program provides the student with information and strategies to problem solve, make decisions, resolve conflict and operationalize the mission and goals of the healthcare delivery system.

For more information, visit the Drexel Online University web site and view the Certificate in Leadership and Management in Healthcare Services web page.

Required Courses		12.0 Credits
NURS 557	Leadership and Stewardship in the Health Professions	3.0
NURS 558	Economics of Healthcare Management and Policy	3.0
NURS 559	Operations Management in Contemporary Healthcare Organizations	3.0
Students select one additional 3-credit course from the following: NURS 563, NURS 564 or NURS 567.		3.0

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Nurse Anesthesia Certificate

68.0 quarter credits

The Post Master's Certificate (PMC) in Nurse Anesthesia is a 28 month 68.0 quarter credit full-time program. The program offers 3.0 theoretical nursing and research credits, 9.0 quarter credit basic science component, 31.0 quarter credits of a didactic anesthesia component and a 25.0 credits in a clinical component. Upon successful completion program outcomes student is awarded a post master's certificate in nurse anesthesia and is eligible to take the national certification examination offered by the NBCRNA - Council on Certification of Nurse Anesthetists.

The nurse anesthesia program is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs, 222 S. Prospect Ave. , Suite 304, Park Ridge, IL 60068, 847-692-7050.

Admission requirements

This certificate program is offered to those individuals who have earned a master's degree in nursing and seek further preparation in nurse anesthesia. Transcripts are reviewed and course work is determined on an individual basis. Contact the College of Nursing for more specific admission requirements.

Curriculum/requirements

First Year

Winter

NURS 503	Basic Principles of Nurse Anesthesia	3.0
NURS 504	Overview of Nurse Anesthesia	3.0
INFO 526	Information Innovation and Technology for Advanced Nursing Practice	3.0
	Total credits	9.0

Spring

NURS 505	Chemistry and Physics	3.0
NURS 507	Nurse Anesthesia Pharmacology I	3.0
NURS 508	Clinical Practicum I	1.0
	Total credits	7.0

Summer

NURS 510	Advanced Principles of Nurse Anesthesia I	3.0
NURS 511	Nurse Anesthesia Pharmacology II	3.0
NURS 512	Nurse Anesthesia Clinical Practicum II	1.0
NURS 521	Advanced Pathophysiology I	3.0
	Total credits	10.0

Fall

NURS 515	Advanced Principles of Nurse Anesthesia II	3.0
NURS 516	Nurse Anesthesia Clinical Practicum III	2.0
NURS 522	Advanced Pathophysiology II	3.0
	Total credits	8.0

Second Year

Winter

NURS 517	Nurse Anesthesia Clinical Practicum IV	3.0
NURS 518	Advanced Principles of Nurse Anesthesia III	3.0
NURS 523	Advanced Pathophysiology III	3.0
NURS 530	Anesthesia Seminar	1.0
	Total credits	10.0

Spring

NURS 659	Advanced Principles of Nurse Anesthesia IV	3.0
NURS 683	Nurse Anesthesia Clinical Practicum V	3.0
	Total credits	6.0

Summer

NURS 684	Nurse Anesthesia Clinical Practicum VI	3.0
	Total credits	3.0

Fall

NURS 687	Clinical Residency I	6.0
	Total credits	6.0

Winter

NURS 688	Clinical Correlation Seminars	3.0
NURS 689	Clinical Residency II	6.0
	Total credits	9.0

Pediatric Primary Care Practitioner Certificate

24.0 credits

This certificate is offered to those individuals who have earned a master's degree in nursing and seek further preparation in another area of nursing. Transcripts will be reviewed and course work will be determined on an individual basis. Students meet on campus for a mandatory on-campus Residency at the beginning of the clinical practicum rotations and at the end of the clinical practicum rotations.

Program of Study

All post-master's students in Nurse Practitioner Tracks must transfer in three credits (quarter or semester) of master's-level Advanced Pathophysiology or Advanced Physiology, Advanced Pharmacology, and Advanced Physical Assessment. If these courses are not transferred in they must be taken at Drexel prior to the first clinical course. Students should check with the MSN Program Coordinator for the exact schedule. Pediatric Pharmacology is required prior to beginning the clinical courses.

Required Courses

Summer

NURS 642	Pediatric Nurse Practitioner I: Wellness, Health Promotion & Disease Prevention in Infants, Children and Adolescents	5.0
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Fall

NURS 643	Pediatric Nurse Practitioner II: Episodic Care of Infants, Children, and Adolescents	5.0
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Winter

NURS 644	Pediatric Nurse Practitioner III: Primary Care Issues in Children with Chronic Illness	5.0
NURS 646	Pharmacology for Pediatric Nurse Practitioners	3.0

Spring

NURS 645	Pediatric Nurse Practitioner IV: Primary Care of Adolescents	5.0
NURS 669	Professional Seminar for Advanced Practice Nurses	1.0

For more information, visit the Nursing Post-Master's Certificate web page.

Master of Health Science with Physician Assistant (PA) Certificate

The physician assistant (PA) is a primary health care provider who works in association with and under the supervision of a physician. The concept of the physician assistant has developed from the basic premise that many tasks performed by physicians can be carried out with equal competence by other specially trained health professionals.

Patient education, preventive intervention, complete or directed history and physical examinations, test evaluation, and presentations of cases in a problem-oriented fashion to the supervising physician are only some of the duties of the physician assistant. He or she also performs technical skills such as ECGs, venipuncture, suturing, casting and injections.

The goals of this program are to:

- *Educate qualified primary care physician assistants*
- *Improve health care delivery in rural and urban medically underserved areas*
- *Promote the physician assistant profession*

For more information visit the College of Nursing and Health Professions' Physician Assistant page.

Master of Health Science with Physician Assistant (PA) Certificate

Curriculum

The intensive curriculum consists of 117 quarter hours of professionally related coursework taken during a continuous period (the part-time option requires an additional calendar year) and gives students an understanding of both the health care system within which they will work and the functions appropriate to the role of the physician assistant. The curriculum is divided into a full year of didactic courses followed by an additional 15 months of supervised clinical practice.

Training begins with four quarters of didactic education, which also integrates patient interaction in several of these earliest courses. The clinical training phase consists of six (6) five-credit, five week clinical rotations in medicine, surgery, obstetrics and gynecology, pediatrics, emergency medicine, and psychiatry. The clinical phase of the curriculum is completed on a full-time basis for both full and part-time students.

The final portion of the curriculum consists of two, 10-credit quarter-long, primary care practica (preceptorships). During the preceptorship phase, each student is assigned to two primary care sites for individualized clinical training with physician preceptors. Training sites during the clinical year are located throughout Pennsylvania and in other states. Students are expected to relocate during the clinical phase and are responsible for all associated financial costs, including transportation and living expenses.

The program is intensely challenging, both intellectually and physically, and requires stamina as well as personal and financial sacrifice on the part of the students. The program demands a high degree of integrity, self-sufficiency, motivation, and self-discipline, and highly developed study skills.

The Physician Assistant program has moved toward electronic documentation and communications. Therefore, all students are required to have laptop computers that have Web access capability.

Contact the Physician Assistant Program for more information on the sequencing for the part-time option.

Required Courses		Credits
First Year, Fall Quarter		
PA 545	Physician Assistant Practice	2.0
PA 543	Ethics in PA Practice	2.0
PA 542	Patient Communication	2.0
PA 541	Advanced Anatomy	4.0
PA 544	Clinical Assessment	5.0
Total credits		15.0

First Year, Winter Quarter*

PA 548	Principles of Medical Science I	2.0
PA 556	Clinical Medicine I	5.0
PA 551	Pharmacology and Therapeutics I	3.0
PA 559	Clinical Skills I	2.0
PA 547	Epidemiology for Practice and Prevention	3.0
Total credits		15.0

*In this quarter, part-time students take either PA 636 Graduate Project I or an elective in addition to these other required courses.

First Year, Spring Quarter

PA 549	Principles of Medical Science II	2.0
PA 557	Clinical Medicine II	5.0
PA 552	Pharmacology and Therapeutics II	2.0
PA 560	Clinical Skills II	2.0
PA 554	Biopsychosocial Issues in Patient Care	5.0
Total credits		16.0

First Year, Summer Quarter*

PA 550	Principles in Medical Science III	2.0
PA 558	Clinical Medicine III	5.0
PA 553	Pharmacology and Therapeutics III	2.0
PA 561	Clinical Skills III	4.0
PA 546	Health Policy for PA Practice	2.0
Total credits		15.0

*In this quarter, part-time students take either PA 639 Graduate Project II or an elective in addition to these other required courses.

The Clinical Phase (Full-time for all students, 5 quarters)**Second Year, Fall Quarter**

	Rotation I	5.0
	Rotation II	5.0
Total credits		10.0

Second Year, Winter Quarter

	Rotation III	6.0
	Rotation IV	5.0
	Graduate Project I	3.0
Total credits		13.0

Second Year, Spring Quarter

	Rotation V	6.0
	Rotation VI	5.0
Total credits		10.0

Third Year, Summer Quarter

PA 635	Primary Care Practicum I	10.0
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PA 638	Graduate Project II	3.0
Total credits		13.0

Fourth Year, Fall Quarter

PA 637	Primary Care Practicum II	10.0
Total credits		10.0

***Clinical Year Rotation Courses**

The sequencing of the six clinical rotations will vary for individual students, but all students must take all six rotations.

PA 629	Medical Rotation	5.0
PA 630	Pediatrics Rotation	5.0
PA 631	OB/GYN Rotation	5.0
PA 632	Psychiatry Rotation	5.0
PA 633	Surgery Rotation	5.0
PA 634	Emergency Medicine Rotation	5.0

Physician Assistant Post-Professional Master's Program

The Physician Assistant Post-Professional Master's program provides graduate education courses as a basis for personalized, professional development within the student's selected area of study. The goal of the program is to enhance basic physician assistant skills and to mentor students in areas of study beyond what is offered by entry-level physician assistant programs. The individually selected study concentration is augmented by the expertise of seasoned faculty and the vast resources of the University.

Specifically, the Physician Assistant Post-Professional Master's program seeks to:

- Broaden the base and depth of analytical thinking by providing a foundation for scholarly inquiry
- Mentor physician assistants in personalized, professional development to enhance the P.A. profession, its members, and the communities they serve

For more information, visit Drexel's College of Nursing and Health Professions Physician Assistant Post-Professional Master's web page.

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Physician Assistant Post-Professional Master's Program

Admissions Criteria

Applicants must:

- Be a graduate of an ARC-PA-approved P.A. program by the time of acceptance into the program
- Have earned a bachelor's degree
- Have an undergraduate GPA of at least 3.0
- Submit a completed graduate application to Drexel E-Learning with the non-refundable application fee
- Submit transcripts from all higher educational institutions

Student Selection

Once the completed application and all supporting documentation are received by Drexel E-Learning the program's faculty will review them. Students are admitted on a competitive basis. Individuals will be notified of acceptance or non-acceptance by the Office of Enrollment Management.

Application forms may be obtained from the Drexel E-Learning Apply Online web page or by calling (877) 215-0009 (Toll Free) or (215) 895-0500.

Physician Assistant Post-Professional Master's Program

Curriculum

All students complete a total of 45 quarter credits for graduation. The curriculum is comprised of five core courses, two cognate courses related to the study area of interest, and two courses related to the completion of the graduate projects. The proposal contains four avenues for cognate course completion—the clinical practice track; health promotion track; Drexel eLearning Certificate programs related to health care topics, and, the alternate pathway of professional portfolio review.

For the exceptional graduate student with significant professional credentials achieved as a physician assistant, preparation and presentation of the professional portfolio to a University-based multidisciplinary committee may substitute for all or portions of the credits required for the two capstone project courses.

Required Core Courses

PA 581	Research Methods and Design	5.0
PA 582	Principles of Evidence-Based Practice	5.0
PA 583	Clinical Applications of Epidemiology	5.0
PA 584	Health Policy	5.0
PA 585	Leadership and Stewardship	5.0

Study Concentration Courses

	Cognate 1*	5.0
	Cognate 2*	5.0
	Capstone Project Research	5.0
PA 698	Capstone Project	5.0

* Students may select Cognate courses related to their areas of interest from one of the Study Tracks listed below.

Alternate Pathway

	Cognate 1	5.0
	Cognate 2	5.0
PA 695	Portfolio Preparation	1.0
PA 696	Portfolio Review	5.0 - 10.0

Study Tracks

Clinical Practice

PA 641	Clinical Update	5.0
PA 642	Clinical Colloquium	5.0
or		
PA 640	Clinical Practicum	5.0

PA 643	Clinical Practice Project Research	5.0
PA 698	Capstone Project	5.0

Health Promotion

PA 661	Tenets of Health Promotion	5.0
PA 662	Health Promotion Materials	5.0
PA 663	Health Promotion Project Research	5.0
PA 698	Capstone Project	5.0

Drexel e-Learning Certificate Options

	Complementary and Integrative Therapies Certificate	12.0
PA 697	Independent Study	3.0
PA 698	Capstone Project	5.0

	Leadership in Health Systems Management Certificate	12.0
PA 697	Independent Study	3.0
PA 698	Capstone Project	5.0

	Healthcare Informatics Certificate	9.0
PA 697	Independent Study	6.0
PA 698	Capstone Project	5.0

	Epidemiology and Biostatistics Certificate	12.0
PA 697	Independent Study	3.0
PA 698	Capstone Project	5.0

	Toxicology and Industrial Hygiene Certificate	12.0
PA 697	Independent Study	3.0
PA 698	Capstone Project	5.0

		15.0
		sem.
	Certificate of Study in Clinical Research*	credits
		22.5
		qtr.
		credits

*PA 698 Capstone Project will be fulfilled with the completion of either CR 600S Designing the Clinical Trial or CR 609S Innovative Product Development.

Professional Doctor of Physical Therapy (DPT)

The Professional Doctor of Physical Therapy (DPT) program prepares students for autonomous practice in physical therapy. As a science, physical therapy examines human motion at the tissue, organ, and systems levels. In the clinical environment, physical therapists (PTs) examine and evaluate patients/clients and implement procedural interventions that restore physical function for all people across the life span. As essential practitioners in the health care delivery system, PTs assume roles in rehabilitation services, prevention and health maintenance programs, and professional and community programs. As professional members of the health care team, PTs supervise support personnel, serve as consultants to other health care personnel; serve as consultants to families and caregivers; participate in administrative services; and conduct clinical research. PTs also serve as advocates for health policy and standards of care that help ensure optimum care for their patients/clients. Graduates of the DPT program are prepared to fulfill their professional obligations, provide leadership to the profession, and use their knowledge and skills to contribute to the health care of society.

The 31-month curriculum spans ten academic quarters and consists of integrated didactic and clinical study with an emphasis on adult learning methodology. The curriculum consists of foundational courses during the first year, with subsequent quarters sequenced to progress through the hierarchy of educational objectives from simple to complex. All didactic material is organized for synthesis and application to professional practice.

The program strives to foster both intellectual and professional growth in students and is reflective of contemporary practice. An overarching goal is to prepare graduates for practice in the changing health care delivery environment.

For more information visit the Physical Therapy and Rehabilitation Sciences Overview page on the College of Nursing and Health Professions web site.

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Doctor of Physical Therapy (DPT)

128.0 quarter credits

Curriculum

The DPT curriculum occurs in a 10-week quarter format over ten quarters: fall, winter, spring, and summer I; fall, winter, spring, and summer II; and fall and winter III. The program comprises 10 academic and clinical quarters occurring over 31 months. Classes begin in late September for first-year students. The curriculum is subject to modification.

The DPT program consists of the following courses:

First year

Fall		15.5 Credits
PTRS 530	Kinesiology I	4.0
PTRS 534	PT Examination and Intervention I	3.0
PTRS 532	Human Gross Anatomy I	4.0
PTRS 537	Clinical Correlations I	3.0
PTRS 633	Professional Development	1.0
PTRS 613	Clinical Practice I	.5
Winter		15.5 Credits
PTRS 533	Human Gross Anatomy II	4.0
PTRS 531	Kinesiology II	4.0
PTRS 535	PT Examination and Intervention II	3.0
PTRS 536	Topics in Pathophysiology	4.0
PTRS 614	Clinical Practice II	.5
Spring		17.0 Credits
PTRS 620	Orthopedic Physical Therapy: Upper Extremity	5.0
PTRS 623	Physical Agents	5.0
NEUR 507	Neuroscience I	3.0
PTRS 624	Functional Mobility	2.5
PTRS 638	Introduction to Motor Control	1.0
PTRS 615	Clinical Practice III	.5
Summer		17.5 Credits
PTRS 621	Orthopedic Physical Therapy: Lower Extremity	3.0
PTRS 627	Cardiopulmonary Physical Therapy I	4.0
NEUR 508	Neuroscience II	2.0
PTRS 639	Motor Learning	2.5
PTRS 641	Neurological Examination and Intervention I	4.0
PTRS 646	Orthosis Management	1.5

Second year

Fall		11.5 Credits
PTRS 631	Life Span Development	3.0
PTRS 752	Research and Measurement in PT	2.0
PTRS 751	Evidence-Based Practice	2.0
PTRS 634	Health Professional Roles	3.0
PTRS 774	Clinical Education Seminar	.5
PTRS 775	Clinical Education I	1.0

Winter		18.0 Credits
PTRS 622	Orthopedic Physical Therapy: Spine	4.0
PTRS 628	Cardiopulmonary Physical Therapy II	4.0
PTRS 645	Prosthesis Management	1.5
PTRS 644	Integumentary Physical Therapy	1.5
PTRS 642	Neurological Examination and Intervention II	5.0
PTRS 640	Motor Learning and Rehabilitation	1.0
PTRS 637	Professional Project I	1.0

Spring		5.0 Credits
PTRS 776	Clinical Education II	2.0
PTRS 610	Issues in Pharmacotherapy	3.0

Summer		18.5 Credits
PTRS 753	Evaluation of Research in Physical Therapy	4.0
PTRS 643	Applied Biomechanics	3.0
PTRS 632	Pediatric Physical Therapy	6.5
PTRS 538	Clinical Correlations II	3.0
PTRS 635	Clinical Professional Issues	2.0

Third year

Fall		4.5 Credits
PTRS 777	Clinical Education III	2.0
PTRS 636	Health Administration and Policy	2.5

Winter		5.0 Credits
PTRS 778	Clinical Internship	3.0
PTRS 647	Professional Project II	2.0

Clinical Education

A strong history of comprehensive clinical education exists for professional students. The clinical education for the DPT program is integrated into the didactic portions of the curriculum so that knowledge obtained in the classroom is readily put into practice. The DPT program has contracts with more than 800 clinical sites across the nation, representing all facets of professional practice. Students are required to complete four clinical education experiences that offer various levels of acuity in different clinical environments. The first clinical education experience is 6 weeks in length, clinical education II and III are 10 weeks long, and the fourth experience, the clinical internship, is 12 weeks.

Students may select from clinical sites that offer experiences in pediatrics, adult rehabilitation, geriatrics, orthopedics, sports medicine, and industrial and occupational rehabilitation.

For more information visit the Physical Therapy and Rehabilitation Sciences Overview page on the College of Nursing and Health Professions web site.

Post-Professional Clinical Doctorate in Physical Therapy

The Post-Professional Clinical Doctorate in Physical Therapy (DPT) is intended to augment knowledge, skills, and behaviors attained in initial professional education to the standards required for the professional entry-level DPT. This includes current approaches in examination, diagnosis, and prognosis; clinical competence consistent with the preferred outcomes of evidence-based practice; and an increase role in prevention, wellness, and health promotion.

The program develops competencies associated with the expert practitioner, including critical thinking, problem-solving, decision-making, and evidence-based practice in one of the following concentration areas:

- Hand and Upper Quarter Rehabilitation
- Orthopedics
- Pediatrics

The program is based on the perspective that adult learning formats, student interaction, and faculty mentorship promote the development of competencies in practice, education, and scholarship. Students are encouraged to share and expand on their professional experiences and skills as part of the learning process.

For more information visit the Post-Professional Doctor of Physical Therapy (DPT) page on the College of Nursing and Health Professions web site.

Post-Professional Clinical Doctorate in Physical Therapy

Curriculum

Requirements vary according to the student's previous degree. Students with master's degrees must successfully complete eight courses (27 quarter credits); students with baccalaureate degrees must also complete a professional portfolio.

Two Critical Inquiry Process courses		Credits
PTRS 604	Induction, Inquiry, and Integration	3.0
PTRS 758	Evidence-Based Rehabilitation	4.0
One Applied Science course		
PTRS 612	Pharmacotherapeutics	3.0
Two Clinical Science courses		
PTRS 650	Motor Control and Learning Rehabilitation	3.0
PTRS 651	Applied Tissue Biomechanics	3.0
One elective course		
PTRS 721	Teaching Concepts in Rehabilitation Sciences	3.0
or		
PTRS 720	Rehabilitation Management	3.0

Concentration Course Options

Students select two additional courses in one of the following concentration areas. (Therapists with a broad-based practice may select their two courses from different areas of concentration.)

Hand and Upper Quarter Rehabilitation

PTRS 767	Foundations in Hand Therapy	4.0
PTRS 768	Upper Quarter and Joint Pathology	4.0
PTRS 769	Nerve Injuries of the Upper Quarter	4.0

Orthopaedics

PTRS 765	Extremity Rehabilitation	4.0
PTRS 766	Spinal Rehabilitation	4.0

Pediatrics

PTRS 760	Pediatric Decision Making	4.0
PTRS 761	Pediatric Clinical Application	4.0

Accreditation of Professional Experience

Bachelor's-prepared therapists are also required to complete PTRS 609. This course provides an opportunity for bachelor's-prepared students to gain credit for their professional experiential learning. Bachelor's-prepared therapists must complete a total of 33 quarter credits to obtain the Post-Professional DPT degree.

PTRS 609	Experiential Accreditation	6.0
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Master of Health Science (MHS) Degree in Rehabilitation Sciences

45.0 quarter credits

The MHS degree is a professional degree in rehabilitation sciences open to therapists and other rehabilitation specialists seeking leadership roles in clinical practice as well as in the broader health care community. The focus of the MHS degree is on evidence-based practice in three concentrations including Hand and Upper Quarter Rehabilitation, Pediatrics, and Orthopedics. Graduates are expected to be critical consumers of new research, demonstrate leadership in implementation and evaluation of clinical or client services, and become competent clinical educators.

Requirements for the degree include successful completion of 45 credit hours concluding with a case study or a clinical project.

Upon completion of the MHS program, graduates will be prepared to:

- Analyze the impact of injury or disease process on musculoskeletal or neuromuscular function within a specific population, including orthopedics, pediatrics, and hand rehabilitation.
- Improve their practice through clinical decision-making that is consistent with concepts of health promotion, client-centered care and current best evidence.
- Facilitate the transfer of health care policy and research findings into clinical practice.
- Evaluate methods of service delivery and intervention strategies and procedures at individual and program levels.
- Serve effectively as clinical educators and consultants to consumers and colleagues.
- Engage in professional life-long learning and contribute to the field of rehabilitation.

Curriculum

Core Requirements		Credits
RSCH 519	Introduction to Biostatistics	3.0
RSCH 523	Methods for Health Research	3.0
PTRS 721	Teaching Concepts in Rehabilitation Sciences	3.0
PTRS 651	Applied Tissue Biomechanics	3.0
PTRS 758	Evidence-Based Rehabilitation	4.0
PTRS 650	Motor Learning and Motor Control	3.0

Concentration

Students select a minimum of 16-18 credits in one of the following concentrations.

Hand and Upper Quarter Rehabilitation Concentration Options

PTRS 767	Foundations in Hand Therapy	4.0
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PTRS 768	Upper Quarter Joint Pathology	4.0
PTRS 769	Nerve Injuries of the Upper Quarter	4.0
PTRS 770	Diseases that Affect the Hand	4.0
PTRS 771	Work Injury Management	3.0

Pediatrics Concentration Options

PTRS 760	Pediatric Decision Making	4.0
PTRS 761	Pediatric Clinical Application	4.0
PTRS 772	Selected Topics in Pediatric Physical Therapy	4.0
PTRS 773	Seminar in Pediatrics	4.0

Additional courses (as approved). Contact the Rehabilitation Sciences Master of Health Science Program for more details.

Orthopedics Concentration Options

PTRS 765	Extremity Rehabilitation	4.0
PTRS 766	Spinal Rehabilitation	4.0
RHAB 763	Biomechanics in Rehabilitation	3.0
RHAB 764	Biomechanics in Human Movement	3.0
RHAB 765	Introduction to Movement Science	4.0
PTRS 590	Clinical Anatomy	3.0-4.0
PTRS 767	Foundations of Hand Therapy	4.0
PTRS 768	Upper Quarter Joint Pathology	4.0
PTRS 769	Nerve Injuries of Upper Quarter	4.0
PTRS 770	Diseases that Affect the Hand	4.0
PTRS 771	Work Injury Management	2.0

Additional courses (as approved). Contact the Rehabilitation Sciences Master of Health Science Program for more details.

Electives

Students select a minimum of 3-5 credits of electives

PTRS 612	Pharmacotherapeutics	3.0
RHAB 824	Teaching Practicum I	1.0
RHAB 825	Teaching Practicum II	2.0
RHAB 826	Teaching Practicum III	3.0
RHAB 816	Special Topics in Rehabilitation Sciences	1.0-4.0
RHAB 820	Independent Study in Rehabilitation Sciences	1.0-4.0

Additional courses (as approved). Contact the Rehabilitation Sciences Master of Health Science Program for more details.

Final Project

PTRS 786	Final Project I	1.0 - 2.0
PTRS 787	Final Project II	1.0 - 2.0

For more information, visit the Department of Physical Therapy and Rehabilitation Sciences web page.

Doctor of Philosophy (PhD) in Rehabilitation Sciences

Program Objectives

The PhD program prepares individuals for leadership, teaching and research roles in the profession. On completing the Doctor of Philosophy degree, graduates will be prepared to:

- Analyze the impact of movement dysfunction from multiple perspectives, including body function, activity, and participation.
- Analyze theory, research, and health care policy relevant to individuals with movement dysfunction to promote the transfer of knowledge into clinical practice.
- Develop and evaluate innovative models of service delivery and intervention for individuals who have limitations in motor function.
- Effectively communicate information orally through professional presentations and in writing through grant proposals and publications in peer-reviewed journals.
- Develop an ongoing area of research that is competitive for grant funding.
- Apply innovative teaching methods to a wide variety of situations, including the education of physical therapists and physical therapy students.

Concentrations

Pediatrics

The focus of the pediatric concentration is on understanding the multiple factors that affect the motor function and participation of children with developmental disabilities. This includes implications of health care policy and federal laws on service delivery, models of service delivery, outcomes measurement, and evaluation of interventions for children with disabilities and their families.

Movement Science

The focus of the movement science concentration is on understanding processes of motor control, motor learning, and motor development in individuals with limitations in motor function and applications for practice. This includes how practice schedules and augmented feedback influence the acquisition, retention, and transfer of perceptual-motor skills and principles underlying the control and coordination of acquiring and restoring motor skills.

Orthopedics

The focus of the orthopedic concentration is on understanding the anatomy, physiology, and biomechanics of the musculoskeletal system as it relates to human performance and clinical practice. This includes impairments of muscle, connective tissue, and bone; relationships between the musculoskeletal and neuromuscular systems in the control of movement; and movement dysfunction.

For more information, visit the Department of Physical Therapy and Rehabilitation Sciences web page.

Doctor of Philosophy (PhD) in Rehabilitation Sciences

Curriculum

The core curriculum includes coursework in research and teaching. Concentration courses in clinical and basic science are selected based on the student's area of interest, objective for doctoral study, and dissertation research. Students work individually with a faculty mentor to complete the required research and teaching practica.

Degree Requirements

Requirements vary according to the student's previous degree. Students with master's degrees must successfully complete 48 credits; students with baccalaureate degrees must complete 93 credits. A comprehensive examination and a dissertation research project are required. The PhD degree can be completed in 3.5 to 4 years of full-time study for students who enter with a master's or DPT degree.

Core Courses		Credits
RHAB 759	Introduction to Biostatistics	3.0
RHAB 811	Intermediate Biostatistics	3.0
RHAB 760	Academia for Rehabilitation Scientists	1.0
RHAB 761	Foundations of Rehabilitation Research	3.0
RHAB 812	Interpretation of Data	3.0
RHAB 813	Measurement Theory in Rehabilitation Sciences	3.0
RHAB 814	Research Designs in Rehabilitation Sciences	3.0
RHAB 815	Scientific Inquiry and Writing	3.0
RHAB 762	Teaching for Rehabilitation Sciences Faculty	2.0
RHAB 830	Dissertation Research	6.0

Concentration/Elective Course Options

A minimum of 8 to 12 additional credits of courses are selected based on the student's concentration area and objectives for graduate study. Students may take courses from any concentration with the approval of their advisor and permission of the course instructor.

RHAB 763	Biomechanics in Rehabilitation	3.0
RHAB 764	Biomechanics in Human Movement	3.0
RHAB 765	Introduction to Movement Science	3.0
RHAB 817	Sensors and Transducers in Rehabilitation	3.0
PTRS 650	Motor Learning and Motor Control	3.0
PTRS 651	Applied Tissue Biomechanics	3.0
PTRS 758	Evidence-Based Rehabilitation	4.0
PTRS 760	Pediatric Decision Making	4.0
PTRS 761	Pediatric Clinical Application	4.0
PTRS 772	Selected Topics in Pediatric Physical Therapy	4.0

PTRS 773	Seminar in Pediatrics	4.0
PTRS 764	Geriatric Rehabilitation	4.0
PTRS 766	Extremity Rehabilitation	4.0
PTRS 765	Spinal Rehabilitation	4.0
PTRS 767	Foundations of Hand Therapy	4.0
PTRS 768	Upper Quarter Joint Pathology	4.0
PTRS 769	Nerve Injuries of Upper Quarter	4.0
PTRS 770	Diseases that Affect the Hand	4.0
PTRS 771	Work Injury Management	2.0

Additional courses (as approved)*

*Students also may take courses from other departments and schools in the University with approval of their advisor and permission of the course instructor.

Practica and Independent Study

RHAB 820	Independent Study in Rehabilitation Sciences	1.0-4.0
RHAB 823	Research Practicum	1.0-6.0
RHAB 824	Teaching Practicum I	1.0
RHAB 825	Teaching Practicum II	2.0
RHAB 826	Teaching Practicum III	3.0

Certificate of Advanced Practice in Hand and Upper Quarter Rehabilitation

16.0 quarter credits

The Certificate of Advanced Practice in Hand and Upper Quarter Rehabilitation is designed for practicing clinicians in physical therapy and occupational therapy who wish to gain advanced understanding of the upper quarter, including the cervical spine, shoulder, elbow, wrist, and hand. This program consists of four courses offered in an online and weekend format.

The curriculum is based on the most recent hand therapy practice analysis conducted by the Hand Therapy Certification Commission (HTCC). The HTCC oversees the certification process for qualifying occupational and physical therapists as "certified hand therapists" or CHTs. This Certificate of Advanced Practice in Hand and Upper Quarter Rehabilitation is recognized by HTCC as a resource to assist with preparation for the CHT examination.

After successfully completing the four required courses, students receive a post-professional certificate of completion. The credits may be transferred into degree programs within Physical Therapy and Rehabilitation Sciences, including the MHS in Rehabilitation Sciences and the Post-Professional DPT. Both of these degree programs offer concentrations in hand and upper quarter rehabilitation.

Curriculum

Foundations of Practice Requirements		Credits
PTRS 767	Foundations in Hand Therapy	4.0
PTRS 768	Upper Quarter Joint Pathology	4.0
PTRS 769	Nerve Injuries of the Upper Quarter	4.0
PTRS 770	Diseases that Affect the Hand	4.0

For more information, visit the Department of Physical Therapy and Rehabilitation Sciences web page.

Certificate of Advanced Practice in Physical Therapy

11.0 - 13.0 quarter credits

This certificate program is designed to enable licensed therapists to update and expand their knowledge and clinical skills in certain areas without the commitment of a degree program. Students who enroll in this program are able to tailor the coursework to satisfy their self-perceived needs for career advancement.

The curriculum is designed around three core areas: Foundations of Practice, Clinical Science, and Clinical Practice. Within these core areas, students enhance their skills in differential diagnosis, learn to find and apply best evidence to practice, understand the anatomy and/or basic science principles in their area of specialty, and learn how to apply this knowledge to their particular area of content expertise.

Curriculum

Foundations of Practice Requirements		Credits
PTRS 750	Differential Diagnosis	1.0
PTRS 758	Evidence-Based Rehabilitation	4.0

Clinical Science

Students select one of the following courses:

PTRS 590	Clinical Anatomy	3.0-4.0
PTRS 612	Pharmacotherapeutics	3.0
PTRS 650	Motor Learning and Motor Control	3.0
PTRS 651	Applied Tissue Biomechanics	3.0

Clinical Practice

Students select one of the following courses:

PTRS 720	Rehabilitation Management	4.0
PTRS 765	Spinal Rehabilitation	4.0
PTRS 766	Extremity Rehabilitation	4.0
PTRS 721	Teaching Concepts in Rehabilitation Sciences	4.0
PTRS 760	Pediatric Decision Making	4.0
PTRS 761	Pediatric Clinical Application	4.0
PTRS 762	Women's Health Physical Therapy	4.0
PTRS 764	Geriatric Rehabilitation	4.0

Optional

RHAB 816	Special Topics in Rehabilitation Sciences	1.0-4.0
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For more information, visit the Department of Physical Therapy and Rehabilitation Sciences web page.

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Certificate of Advanced Practice in Pediatric Rehabilitation

12.0 quarter credits

This program is for licensed physical and occupational therapists who work or aspire to work in early intervention, school-based therapy or other pediatric services and who seek to develop expertise in this field.

Graduates of the program will be prepared to enhance activity, participation and measurable outcomes for children and their families through the application of research, theory, and emergent knowledge to practice. Issues across the spectrum of care, for ages from birth to 21, are addressed and practitioners have the opportunity to enhance their comprehension of family and client-centered practice in a diversity of settings. The program fosters understanding of and respect for cultural diversity and incorporates philosophies of practice, issues of advanced clinical decision making, and intervention and service delivery models and leadership, management, and advocacy.

Students can tailor their studies and assignments to meet personal needs. Individualized assignments allow them to apply key themes and issues to practice. The program also offers physical therapists the opportunity and resources to prepare for specialty certification through the American Physical Therapy Association.

Students select any three of the following courses:		12.0 Credits
PTRS 740	Issues in Pediatric Health and Rehab	4.0
PTRS 760	Pediatric Decision Making	4.0
PTRS 761	Pediatric Clinical Application	4.0
PTRS 772	Selected Topics in Pediatrics	1.0- 3.0
PTRS 773	Seminar in Pediatrics	4.0

For more information, visit the College's Certificate of Advanced Practice in Pediatric Rehabilitation web page.