

# Drexel University

Catalog 2007 / 2008

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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 2,000 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.



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## Master of Family Therapy (M.F.T.)

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 (M.F.T.)

91.0 credits

### About the Curriculum

The M.F.T. 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

<a href="#">CFTP 500</a>	<b>Systems Theory</b>	3.0
<a href="#">CFTP 501</a>	<b>Introduction to Family Therapy I</b>	3.0
<a href="#">CFTP 502</a>	<b>Introduction to Family Therapy II</b>	3.0
<a href="#">CFTP 503</a>	<b>Historical and Sociocultural Therapy I</b>	3.0
<a href="#">CFTP 504</a>	<b>Historical and Sociocultural Therapy II</b>	3.0

#### Clinical Practice

<a href="#">CFTP 505</a>	<b>Bowen Theory</b>	3.0
<a href="#">CFTP 506</a>	<b>Contextual Therapy</b>	3.0
<a href="#">CFTP 507</a>	<b>Collaborative Approaches</b>	3.0
<a href="#">CFTP 508</a>	<b>Structural Therapy</b>	3.0
<a href="#">CFTP 509</a>	<b>Couples Therapy</b>	3.0
<a href="#">CFTP 510</a>	<b>Sex Therapy</b>	3.0
<a href="#">CFTP 511</a>	<b>Object Relations</b>	3.0
<a href="#">CFTP 512</a>	<b>The Behavioral Models of Family Therapy</b>	3.0
<a href="#">CFTP 513</a>	<b>DSM I: Adult Psychopathology</b>	3.0
<a href="#">CFTP 514</a>	<b>DSM II: Child Psychopathology</b>	3.0
<a href="#">CFTP 515</a>	<b>Psychopharmacology</b>	3.0
<a href="#">CFTP 516</a>	<b>Addictions I: The Addictive Process</b>	3.0
<a href="#">CFTP 517</a>	<b>Addictions II: Substance Abuse and Treatment</b>	3.0
<a href="#">CFTP 518</a>	<b>Medical Family Therapy</b>	3.0
<a href="#">CFTP 519</a>	<b>Family Violence</b>	3.0

#### Individual Development and Family Relations

<a href="#">CFTP 520</a>	<b>Family Life Cycle</b>	3.0
<a href="#">CFTP 521</a>	<b>Human Development</b>	3.0

#### Professional Identity and Ethics

<a href="#">CFTP 522</a>	Ethical and Legal Implications I	3.0
<a href="#">CFTP 523</a>	Ethical and Legal Implications II	3.0

**Research**

<a href="#">CFTP 524</a>	Research I: Family Evaluation	3.0
<a href="#">CFTP 525</a>	Research II: Couple and Family Therapy	3.0

**Additional Learning**

<a href="#">CFTP 526</a>	Person of the Therapist: Therapist Experience I	3.0
<a href="#">CFTP 527</a>	Person of the Therapist: Therapist Experience II	3.0
<a href="#">CFTP 528</a>	Person of the Therapist: Therapist Experience III	3.0
<a href="#">CFTP 529</a>	Family Policy	3.0

**Practicum**

<a href="#">CFTP 530</a>	Practicum I	1.0
<a href="#">CFTP 531</a>	Practicum II	1.0
<a href="#">CFTP 532</a>	Practicum III	1.0
<a href="#">CFTP 533</a>	Practicum IV	1.0
<a href="#">CFTP 534</a>	Practicum V	1.0
<a href="#">CFTP 535</a>	Practicum VI	1.0
<a href="#">CFTP 536</a>	Practicum VII	1.0

**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](#).



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## 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 Ph.D. 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 Ph.D. in Couple and Family Therapy, visit the program's [Couple and Family Therapy](#) web site.

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## Couple and Family Therapy (Ph.D.)

*92.0 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 92 post-master's semester hours are required for the Ph.D. 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

	<b>12.0 Credits</b>
<b>Theoretical Knowledge</b>	
<a href="#">CFTP 712</a> Family Theory	3.0
<a href="#">CFTP 716</a> Family Therapy Theory and Practice	3.0
<a href="#">CFTP 720</a> Couple Therapy Theory and Practice	3.0
<a href="#">CFTP 721</a> Critical Theory in Couple and Family Therapy	3.0
<b>Clinical Knowledge</b>	<b>12.0 Credits</b>
<a href="#">CFTP 724</a> Multicultural Approach to Couple and Family Therapy	3.0
<a href="#">CFTP 725</a> Trauma and Families	3.0
<a href="#">CFTP 730</a> Gender, Privilege, and Power	3.0
<a href="#">CFTP 729</a> Diverse Family Structures	3.0
<b>Individual Development and Family Relations</b>	<b>6.0 Credits</b>
<a href="#">CFTP 717</a> Couple and Family Therapy Assessment and Diagnosis	3.0
<a href="#">CFTP 735</a> Family Healthcare Policy	3.0
<b>Clinical Supervision</b>	<b>3.0 Credits</b>
<a href="#">CFTP 734</a> Supervision of Couple and Family Therapy	3.0



<b>Research</b>	<b>21.0 Credits</b>
<a href="#">CFTP 713</a> Couple and Family Therapy Research and Practice Literature	3.0
<a href="#">CFTP 711</a> Research I: Conceptual Basis	3.0
<a href="#">CFTP 715</a> Research II: Quantitative Methods	3.0
<a href="#">CFTP 719</a> Research III: Qualitative Methods	3.0
<a href="#">RHAB 759</a> Introduction to Biostatistics	3.0
<a href="#">RHAB 811</a> Intermediate Biostatistics	3.0
or	
<a href="#">CFTP 728</a> Research V: Advanced Qualitative Data Analysis	3.0
<a href="#">CFTP 728</a> Research VI: Quantitative Research Proposal	3.0
or	
<a href="#">CFTP 733</a> Research VI: Qualitative Research Proposal	3.0
<b>Advanced Applied Research/Qualitative</b>	<b>3.0</b>

<b>Professional Development</b>	<b>6.0 Credits</b>
<a href="#">CFTP 714</a> Professional Development Seminar I: Resources and Organization	1.0
<a href="#">CFTP 718</a> Professional Development Seminar II: Presentations and Publication Preparation	1.0
<a href="#">CFTP 722</a> Professional Development Seminar III: Teaching Couple and Family Therapy	1.0
<a href="#">CFTP 726</a> Professional Development Seminar IV: Academia and the Tenure Process	1.0
<a href="#">CFTP 731</a> Professional Development Seminar V: Understanding the Grant Writing Process	1.0
<a href="#">CFTP 736</a> Professional Development Seminar VI: Ethics in Couple and Family Therapy Supervision and Teaching	1.0

<b>Additional Courses (Electives)</b>	<b>6.0 Credits</b>
<b>Students select two additional courses ( Students may choose to go outside of the program to meet this requirement, provided each course is at least 3.0 credits and at the doctoral level of sophistication or they may select one of the following courses)</b>	
<a href="#">CFTP 741</a> Religion, Spirituality and CFT	3.0
<a href="#">CFTP 742</a> Couples Sexual Therapy	3.0
<a href="#">CFTP 751</a> Special Topics in Couples and Family Therapy	3.0
<a href="#">CFTP 752</a> Independent Study in Couples and Family Therapy	3.0

### **Additional Requirements**

Additional program requirements include 15 credits of internship and 10 dissertation credits and 1 credit of dissertation defense. Students must have a minimum of 92 credits for graduation, and 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

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
<b>Theoretical Foundations</b>		
<a href="#">CFTP 500</a>	Systems Theory	3.0
<a href="#">CFTP 501</a>	Introduction to Family Therapy I	3.0
<a href="#">CFTP 502</a>	Introduction to Family Therapy II	3.0
<a href="#">CFTP 503</a>	Historical and Sociocultural Therapy I	3.0
<a href="#">CFTP 504</a>	Historical and Sociocultural Therapy II	3.0
<b>Clinical Practice</b>		
<a href="#">CFTP 505</a>	Bowen Theory	3.0
<a href="#">CFTP 506</a>	Contextual Therapy	3.0
<a href="#">CFTP 507</a>	Collaborative Approaches	3.0
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<a href="#">CFTP 510</a>	Sex Therapy	3.0
<a href="#">CFTP 511</a>	Object Relations	3.0
<a href="#">CFTP 512</a>	The Behavioral Models of Family Therapy	3.0
<a href="#">CFTP 513</a>	DSM I: Adult Psychopathology	3.0
<a href="#">CFTP 514</a>	DSM II: Child Psychopathology	3.0
<a href="#">CFTP 515</a>	Psychopharmacology	3.0
<a href="#">CFTP 516</a>	Addictions I: The Addictive Process	3.0
<a href="#">CFTP 517</a>	Addictions II: Substance Abuse and Treatment	3.0
<a href="#">CFTP 518</a>	Medical Family Therapy	3.0
<a href="#">CFTP 519</a>	Family Violence	3.0

### Individual Development and Family Relations

<a href="#">CFTP 520</a>	Family Life Cycle	3.0
<a href="#">CFTP 521</a>	Human Development	3.0

### Professional Identity and Ethics

<a href="#">CFTP 522</a>	Ethical and Legal Implications I	3.0
<a href="#">CFTP 523</a>	Ethical and Legal Implications II	3.0

### Research

<a href="#">CFTP 524</a>	Research I: Family Evaluation	3.0
<a href="#">CFTP 525</a>	Research II: Couple and Family Therapy	3.0

### Additional Learning

<a href="#">CFTP 526</a>	Person of the Therapist: Therapist Experience I	3.0
<a href="#">CFTP 527</a>	Person of the Therapist: Therapist Experience II	3.0
<a href="#">CFTP 528</a>	Person of the Therapist: Therapist Experience III	3.0
<a href="#">CFTP 529</a>	Family Policy	3.0

### Practicum

<a href="#">CFTP 530</a>	Practicum I	1.0
<a href="#">CFTP 531</a>	Practicum II	1.0
<a href="#">CFTP 532</a>	Practicum III	1.0
<a href="#">CFTP 533</a>	Practicum IV	1.0
<a href="#">CFTP 534</a>	Practicum V	1.0
<a href="#">CFTP 535</a>	Practicum VI	1.0
<a href="#">CFTP 536</a>	Practicum VII	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](#).

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## M.A. in Creative Arts in Therapy

### 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 in Therapy](#) web site.





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## 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**

<a href="#">ARTS 501</a> Introduction to Creative Arts Therapy I	2.0
<a href="#">ARTS 502</a> Introduction to Creative Arts Therapy II	2.0
<a href="#">ARTS 503</a> Introduction to Creative Arts Therapy III	2.0
<a href="#">ARTS 504</a> Human Psychological Development	4.0
<a href="#">ARTS 505</a> Clinical Diagnosis of Psychopathology	4.0
<a href="#">ARTS 506</a> Professional Orientation and Ethics I	1.0
<a href="#">ARTS 606</a> Professional Orientation and Ethics II	3.0
<a href="#">ARTS 507</a> Group Dynamics and Therapy	2.0
<a href="#">ARTS 508</a> Introduction to Behavioral Research	4.0
<a href="#">ARTS 601</a> Theories of Psychotherapy	4.0
<a href="#">ARTS 602</a> Multicultural Perspectives in Therapy I	2.0

**Art Therapy Track Courses 40.0 Credits**

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

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*Students select one of the following Art Therapy electives:*

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<a href="#">ARTS 640</a> Medical Art Therapy	1.0
<a href="#">ARTS 641</a> Forensic Art Therapy	1.0
<a href="#">ARTS 642</a> Art Therapy in an Educational Setting	1.0

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**Clinical Education Courses 12.0 Credits**

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<a href="#">ARTS 510</a> Clinical Practicum I: Observation	1.0
<a href="#">ARTS 511</a> Clinical Practicum II	1.0
<a href="#">ARTS 512</a> Clinical Practicum III	1.0
<a href="#">ARTS 610</a> Clinical Internship I	3.0
<a href="#">ARTS 611</a> Clinical Internship II	3.0
<a href="#">ARTS 612</a> Clinical Internship III	3.0

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**Thesis 4.0 Credits**

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<a href="#">ARTS 621</a> Thesis I	1.0
<a href="#">ARTS 622</a> Thesis II	1.0
<a href="#">ARTS 623</a> Thesis III	1.0
<a href="#">ARTS 624</a> Thesis IV	1.0

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## 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**

<a href="#">ARTS 501</a> Introduction to Creative Arts Therapy I	2.0
<a href="#">ARTS 502</a> Introduction to Creative Arts Therapy II	2.0
<a href="#">ARTS 503</a> Introduction to Creative Arts Therapy III	2.0
<a href="#">ARTS 504</a> Human Psychological Development	4.0
<a href="#">ARTS 505</a> Clinical Diagnosis of Psychopathology	4.0
<a href="#">ARTS 506</a> Professional Orientation and Ethics I	1.0
<a href="#">ARTS 606</a> Professional Orientation and Ethics II	3.0
<a href="#">ARTS 507</a> Group Dynamics and Therapy	2.0
<a href="#">ARTS 508</a> Introduction to Behavioral Research	4.0
<a href="#">ARTS 601</a> Theories of Psychotherapy	4.0
<a href="#">ARTS 602</a> Multicultural Perspectives in Therapy I	2.0

[ARTS 603](#) Clinical Appraisal and Assessment 4.0

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**Dance/Movement Therapy Track Courses 34.0 Credits**

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[ARTS 552](#) Therapy Relationship Skills I 2.0

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[ARTS 553](#) Therapy Relationship Skills II 2.0

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[ARTS 554](#) Movement Observation I 2.0

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[ARTS 555](#) Laban Movement Analysis Lab 0.0

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[ARTS 556](#) Movement Observation II 2.0

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[ARTS 557](#) Dance/Movement Theory and Practice I: Children 2.0

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[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 4.0

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[ARTS 661](#) Family Dance/Movement Therapy: A Systems Approach 2.0

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[ARTS 662](#) Advanced Group Dance/Movement Therapy Skills 4.0

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[NEUR 534](#) Neuroscience 3.0

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**Clinical Education Courses 18.0 Credits**

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[ARTS 560](#) Dance/Movement Therapy Group Supervision I 1.0

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[ARTS 561](#) Dance/Movement Therapy Group Supervision II 1.0

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[ARTS 562](#) Dance/Movement Therapy Group Supervision III 1.0

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[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

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[ARTS 510](#) Clinical Practicum I: Observation 1.0

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[ARTS 511](#) Clinical Practicum II 1.0

---

[ARTS 512](#) Clinical Practicum III 1.0

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[ARTS 610](#) Clinical Internship I 3.0

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[ARTS 611](#) Clinical Internship II 3.0

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[ARTS 612](#) Clinical Internship III 3.0

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**Thesis 4.0 Credits**

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[ARTS 621](#) Thesis I 1.0

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[ARTS 622](#) Thesis II 1.0

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[ARTS 623](#) Thesis III 1.0

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[ARTS 624](#) Thesis IV 1.0

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**Electives**

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

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[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

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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**

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

#### Music Therapy Track Courses

**34.0 Credits**

<a href="#">ARTS 570</a>	Clinical Musicianship I	2.0
<a href="#">ARTS 571</a>	Clinical Musicianship II	2.0
<a href="#">ARTS 572</a>	Clinical Musicianship III	2.0

<a href="#">ARTS 573</a>	Clinical Musical Improvisation I	2.0
<a href="#">ARTS 574</a>	Clinical Musical Improvisation II	2.0
<a href="#">ARTS 575</a>	Theories in Musical Therapy I	2.0
<a href="#">ARTS 577</a>	Musical Therapy Skills I	2.0
<a href="#">ARTS 578</a>	Musical Therapy Skills II	2.0
<a href="#">ARTS 579</a>	Musical Therapy Skills III: Technological Applications	2.0
<a href="#">ARTS 580</a>	Psychology of Music	2.0
<a href="#">ARTS 670</a>	Advanced Music Therapy Skills I	2.0
<a href="#">ARTS 671</a>	Advanced Music Therapy Skills II	2.0
<a href="#">ARTS 672</a>	Multicultural Perspectives in Music Therapy	2.0
<a href="#">ARTS 677</a>	Advanced Music Therapy Skills III: Group	2.0
<a href="#">ARTS 678</a>	Clinical Internship Lab: Music Analysis	1.0
<a href="#">NEUR 534</a>	Neuroscience	3.0

**Clinical Education Courses** **18.0 Credits**

<a href="#">ARTS 581</a>	Music Therapy Group Supervision I	1.0
<a href="#">ARTS 582</a>	Music Therapy Group Supervision II	1.0
<a href="#">ARTS 583</a>	Music Therapy Group Supervision III	1.0
<a href="#">ARTS 673</a>	Advanced Music Therapy Group Supervision I	1.0
<a href="#">ARTS 674</a>	Advanced Music Therapy Group Supervision II	1.0
<a href="#">ARTS 583</a>	Advanced Music Therapy Group Supervision III	1.0
<a href="#">ARTS 510</a>	Clinical Practicum I: Observation	1.0
<a href="#">ARTS 511</a>	Clinical Practicum II	1.0
<a href="#">ARTS 512</a>	Clinical Practicum III	1.0
<a href="#">ARTS 610</a>	Clinical Internship I	3.0
<a href="#">ARTS 611</a>	Clinical Internship II	3.0
<a href="#">ARTS 612</a>	Clinical Internship III	3.0

**Thesis** **4.0 Credits**

<a href="#">ARTS 621</a>	Thesis I	1.0
<a href="#">ARTS 622</a>	Thesis II	1.0
<a href="#">ARTS 623</a>	Thesis III	1.0
<a href="#">ARTS 624</a>	Thesis IV	1.0



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## Post-Master's Certificate in Creative Arts Therapies: Art Therapy

### 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.

### About the certificate

The Post-Master's Certificate in the Creative Arts Therapies with a specialization in Art Therapy is a program consisting of 24 credits of art therapy course work and 700 hours of supervised clinical art therapy practica.

The certificate program is available to those individuals who hold a master's degree in a related mental health field such as counseling, social work, psychology, dance/movement therapy, music therapy, psychiatric nursing, or couple and family therapy. Completion of the post-master's certificate program and fulfillment of the additional supervised clinical hours will result in the individual's eligibility for registration and certification as an art therapist by the Art Therapy Credentials Board.

### Admissions

Admission requirements for the certificate program are similar to those for the M.A. 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.

### Curriculum

#### Required Courses

#### Credits

**First Year**

<a href="#">ARTS 531S</a>	Art Therapy Skills: Adult I	1.0
<a href="#">ARTS 532S</a>	Art Therapy Skills: Adult II	1.0
<a href="#">ARTS 535S</a>	Art Therapy Skills: Child I	1.0
<a href="#">ARTS 536S</a>	Art Therapy Skills: Child II	1.0
<a href="#">ARTS 555S</a>	Special Art Therapy Literature	1.0
<a href="#">ARTS 556S</a>	Theory and Art Therapy Symbolism I	1.0
<a href="#">ARTS 557S</a>	Theory and Art Therapy Symbolism II	1.0
<a href="#">ARTS 766S</a>	Art Therapy Clinical Practicum I	3.0
<a href="#">ARTS 768S</a>	Art Therapy Clinical Practicum II	3.0
<a href="#">ARTS 830S</a>	Art Therapy Group Supervision I	1.0
<a href="#">ARTS 831S</a>	Mental Health Science Supervision I	1.0
<a href="#">ARTS 833S</a>	Mental Health Science Supervision II	1.0
<a href="#">ARTS 834S</a>	Art Therapy Group Supervision II	1.0

**Second Year**

<a href="#">ARTS 529S</a>	Family Art Therapy Assessment	1.0
<a href="#">ARTS 700S</a>	Multicultural Art Therapy	1.0
<a href="#">ARTS 702S</a>	Applied Ethics for Creative Arts Therapies	1.0
<a href="#">ARTS 709S</a>	Studio Art for Art Therapists	1.0
<a href="#">ARTS 724S</a>	Group Art Therapy	1.0
<a href="#">ARTS 729S</a>	Introduction to Jungian Psychology	2.0
<a href="#">ARTS 755S</a>	Art Therapy Workshop	1.0
<a href="#">ARTS 783S</a>	Advanced Skills: Art I	1.0
<a href="#">ARTS 783S</a>	Advanced Skills: Art I	1.0
<b>Students select at least one elective from the following:</b>		
<a href="#">ARTS 751S</a>	Pediatric Medical Art Therapy	1.0
<a href="#">ARTS 753S</a>	Forensic Art Therapy	1.0
<a href="#">ARTS 792S</a>	Art Therapy in an Educational Setting	1.0



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## Post-Master's Certificate in Creative Arts Therapies: Music Therapy

### 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.

### About the certificate

The Post-Master's Certificate in the Creative Arts Therapies with a specialization in Music Therapy consists is a 37 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 M.A. 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.

### Curriculum

#### Required Courses

#### *Classroom and Lab-based Courses*

		Credits
<a href="#">ARTS 522S</a>	Clinical Musical Improvisation I	2.0
<a href="#">ARTS 523S</a>	Clinical Musical Improvisation II	2.0
<a href="#">ARTS 525S</a>	Theories in Music Therapy I	1.0
<a href="#">ARTS 526S</a>	Theories in Music Therapy II	1.0
<a href="#">ARTS 529S</a>	Music Therapy Skills I	2.0
<a href="#">ARTS 530S</a>	Music Therapy Skills II	2.0



<a href="#">ARTS 548S</a>	Psychology of Music I	2.0
<a href="#">ARTS 549S</a>	Psychology of Music II	2.0
<a href="#">ARTS 541S</a>	Creative Arts in Therapy Workshop I	1.0
<a href="#">ARTS 542S</a>	Creative Arts in Therapy Workshop II	1.0
<a href="#">ARTS 730S</a>	Creative Arts in Therapy Literature Seminar I	1.0
<a href="#">ARTS 731S</a>	Creative Arts in Therapy Literature Seminar II	1.0
<a href="#">ARTS 739S</a>	Literature Seminar: Music Therapy	1.0
<a href="#">ARTS 787S</a>	Advanced Skills: Music Therapy I	1.0
<a href="#">ARTS 788S</a>	Advanced Skills: Music Therapy II	1.0
<a href="#">ARTS 744S</a>	Applied Ethics for the Creative Arts Therapies	1.0
<a href="#">ARTS 510S</a>	Clinical Guitar Methods	1.0
or		
<a href="#">ARTS 511S</a>	Clinical Piano Methods	

***Clinical Field Experience Courses***

<a href="#">ARTS 766S</a>	Clinical Practicum I	2.0
<a href="#">ARTS 768S</a>	Clinical Practicum II	2.0
<a href="#">ARTS 833S</a>	Music Therapy Group Supervision I	1.0
<a href="#">ARTS 834S</a>	Music Therapy Group Supervision II	1.0
<a href="#">ARTS 790S</a>	Clinical Internship I	3.0
<a href="#">ARTS 791S</a>	Clinical Internship II	3.0
<a href="#">ARTS 841S</a>	Advanced Music Therapy Group Supervision I	1.0
<a href="#">ARTS 842S</a>	Advanced Music Therapy Group Supervision II	1.0



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## Post-Master's Certificate in Creative Arts Therapies: Dance/Movement Therapy

### 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 the Creative Arts Therapies with a specialization 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 M.A. 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.

## Curriculum

Required Courses	Credits
<a href="#">ARTS 508S</a> Developmental Body Movement	2.0
<a href="#">ARTS 518S</a> Introduction to Dance/Movement Therapy I	1.5
<a href="#">ARTS 519S</a> Introduction to Dance/Movement Therapy II	1.5
<a href="#">ARTS 541S</a> Creative Arts Therapy Workshop I	1.0
<a href="#">ARTS 542S</a> Creative Arts Therapy Workshop I	1.0
<a href="#">ARTS 554S</a> Dance/Movement Therapy Literature Seminar	1.0
<a href="#">ARTS 593S</a> Family Dance/Movement Therapy	1.0
<a href="#">ARTS 702S</a> Applied Ethics for Creative Arts Therapies	1.0
<a href="#">ARTS 730S</a> Creative Arts Therapies Literature Seminar I	1.0
<a href="#">ARTS 731S</a> Creative Arts Therapies Literature Seminar II	1.0
<a href="#">ARTS 764S</a> Movement Observation I	1.0
<a href="#">ARTS 765S</a> Movement Observation II	1.0
<a href="#">ARTS 766S</a> Clinical Practicum I	2.0
<a href="#">ARTS 768S</a> Clinical Practicum II	2.0
<a href="#">ARTS 773S</a> Dance/Movement Skills: Children I	1.0
<a href="#">ARTS 774S</a> Dance/Movement Skills: Children II	1.0
<a href="#">ARTS 775S</a> Psychosocial Assessment of Movement	1.0
<a href="#">ARTS 785S</a> Advanced Dance/Movement Skills I	1.0
<a href="#">ARTS 786S</a> Advanced Dance/Movement Skills II	1.0
<a href="#">ARTS 790S</a> Clinical Internship I	3.0
<a href="#">ARTS 791S</a> Clinical Internship II	3.0
<a href="#">ARTS 833S</a> Dance/Movement Group Supervision I	1.0
<a href="#">ARTS 834S</a> Dance/Movement Group Supervision II	1.0
<a href="#">ARTS 841S</a> Advanced Dance/Movement Therapy Group Supervision II	1.0
<a href="#">ARTS 842S</a> Advanced Dance/Movement Therapy Group Supervision II	1.0
<b>Elective:</b>	
<a href="#">ARTS 631S</a> Medical Dance/Movement Therapy	1.0

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## 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.



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## 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
<a href="#">NURS 700</a>	Philosophy of Natural and Social Science: Foundations for Inquiry into the Discipline of Nursing	3.0
<a href="#">NURS 716</a>	The Structure of Scientific Knowledge in Nursing	3.0
<a href="#">NURS 715</a>	Human Responses to Altered Psychologic Function in Health and Illness	3.0
<a href="#">NURS 710</a>	Human Responses to Altered Physiologic Function in Health and Illness	3.0
Nursing Practice Core		12.0 Credits
<a href="#">NURS 703</a>	The Politics of Health: Implications for Nursing Practice	3.0
<a href="#">NURS 836</a>	Clinical and Applied Ethics in Nursing Practice	3.0
<a href="#">NURS 830</a>	Doctoral Nursing Practice Clinical Practicum	3.0
<a href="#">NURS 835</a>	Doctoral Nursing Practice Role Practicum	3.0
Research Methods Core		9.0 Credits
<a href="#">NURS 717</a>	Applied Clinical Epidemiology and Biostatistics	3.0



<a href="#">NURS 718</a> Quantitative Methods for Clinical Nursing Inquiry	3.0
<a href="#">NURS 819</a> Qualitative Methods for Clinical Nursing Inquiry	3.0

<b>Cognate Core</b>	<b>6.0 Credits</b>
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Two approved electives for course of study (must support either the clinical practicum, role practicum, or clinical dissertation)	6.0
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<b>Dissertation Core</b>	<b>9.0 Credits</b>
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<a href="#">NURS 900</a> Dissertation Seminar	3.0
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<a href="#">NURS 996</a> Dissertation Advisement I	2.0
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<a href="#">NURS 997</a> Dissertation Advisement II	2.0
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<a href="#">NURS 998</a> Dissertation Advisement III	2.0
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Any student may be assigned additional cognates to properly support the dissertation topic	
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**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.



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## M.S.N. in Clinical Trials Research

The M.S.N. 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 [M.S.N. in Clinical Trials](#) web page.



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



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## M.S.N. Contemporary Nursing Faculty 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 curricula for the M.S.N. may be completed entirely online and is designed for part-time attendance by working nurses.

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' Contemporary Nursing Faculty Track](#) page.

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## M.S.N. in Contemporary Nursing Faculty

*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
<a href="#">NURS 500</a> <b>Confronting Issues in Contemporary Health Care Environments</b>	3.0
<a href="#">NURS 502</a> <b>Advanced Ethical Decision Making in Health Care</b>	3.0
<a href="#">RSCH 519</a> <b>Introduction to Biostatistics</b>	3.0
<a href="#">RSCH 523</a> <b>Methods for Health Research</b>	3.0
<a href="#">NURS 526</a> <b>Information, Innovation and Technology in Advanced Nursing Practice</b>	3.0
<a href="#">NURS 527</a> <b>Evidence-Based Approaches to Practice</b>	3.0
Required Track Courses	24.0 Credits
<a href="#">NURS 597</a> <b>Clinical and Didactic Teaching Methods in Nursing Education</b>	3.0
<a href="#">NURS 598</a> <b>Teaching Critical Thinking and Clinical Decision-Making in Nursing</b>	3.0
<a href="#">NURS 599</a> <b>Curriculum Design, Measurement, and Evaluation in Nursing Education</b>	3.0
<a href="#">NURS 612</a> <b>The Nursing Academic in the Changing Higher Education Environment</b>	3.0
<a href="#">NURS 613</a> <b>The Role and Responsibilities of the Nursing Professor</b>	3.0
<a href="#">NURS 614</a> <b>Technologies for Nursing Education and Practice</b>	3.0
<a href="#">NURS 626</a> <b>Masters Nursing Education Practicum I</b>	3.0
<a href="#">NURS 627</a> <b>Masters Nursing Education Practicum II</b>	3.0
Professional Seminar	1.0 Credit
<a href="#">NURS 669</a> <b>Professional Seminar for Advanced Practice Nurses</b>	1.0
Elective	3.0 Credits
<b>Elective (500-level or above)</b>	3.0





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## M.S.N. in Innovation and Intra/Entrepreneurship in Advanced Nursing Practice

*46.0 quarter credits*

### About the Program

The M.S.N. 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 M.S.N. Innovation and Intra/Entrepreneurship in Advanced Nursing Practice](#) web page.

### Curriculum

M.S.N Core courses		18.0 Credits
<a href="#">NURS 500</a>	Confronting Issues in Contemporary Health Care Environments	3.0
<a href="#">NURS 502</a>	Advanced Ethical Decision Making in Health Care	3.0
<a href="#">NURS 526</a>	Information, Innovation & Technology in Advanced Nursing Practice	3.0
<a href="#">NURS 527</a>	Evidence-Based Approaches to Practice	3.0
<a href="#">RSCH 519</a>	Introduction to Biostatistics	3.0
<a href="#">RSCH 523</a>	Methods for Health Research	3.0
Required Track courses		18.0 Credits
<a href="#">NURS 586</a>	Innovation in Advanced Nursing Practice: Theory and Practice	3.0
<a href="#">NURS 587</a>	Case Studies in Intra/Entrepreneurship and Innovation in Nursing	3.0
<a href="#">NURS 588</a>	The Nurse as Intra/Entrepreneur and Consultant	3.0
<a href="#">NURS 636</a>	Capstone Project I	1.0
<a href="#">NURS 637</a>	Capstone Project II	1.0
<a href="#">NURS 638</a>	Capstone Project III	1.0
<b>Professional Seminar</b>		<b>1.0 Credit</b>

**Flexible Plan of Study**

**9.0 Credits**

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**A selection of courses from the College of Business, College of Media Arts and Design, and College of Information Science and Technology.**

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## M.S.N. in Nurse Anesthesia

Students enrolled in the M.S.N. in Nurse Anesthesia program receive all didactic and research-related coursework at the Drexel University's Center City Campus in Philadelphia PA. They receive all clinical experience at one of five off-campus primary clinical sites. Five additional sites are available to students for obstetric and pediatric anesthesia rotations and for general nurse anesthesia practice. Students typically administer approximately 650 anesthetics in a wide variety of surgical and diagnostic procedures for a total of 1500 hours.

The Nurse Anesthesia Master of Science in Nursing 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.

### Additional information

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

[Jack O'Donnell](#)

M.S.N. 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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## M.S.N. in Nurse Anesthesia

66.0 credits

### About the Curriculum

The MSN in nurse anesthesia is a 27-month full-time program that is transitioning from a semester to a quarter system.

#### Core courses

	Credits
<a href="#">NURS 506</a> Advanced Practice Health Policy Issues in Managed Care	3.0
<a href="#">NURS 509</a> Improving Systems for Health Promotion	3.0
<a href="#">NURS 513</a> Research and Theory I	3.0
<a href="#">NURS 611</a> Research and Theory II	3.0

#### Support courses

<a href="#">NURS 520</a> Advanced Physiology for Advanced Nurse Practice	3.0
<a href="#">NURS 521</a> Advanced Pathophysiology 1	3.0
<a href="#">NURS 522</a> Advanced Pathophysiology 2	3.0
<a href="#">NURS 523</a> Advanced Pathophysiology 3	3.0
Basic Principles of Nurse Anesthesia	3.0
Pharmacology for Advanced Nursing	3.0
Clinical Nurse Anesthesia Practicum Seminar I	3.0
Clinical Nurse Anesthesia Practicum Seminar I	3.0
Chemistry and Physics Related to Nurse Anesthesia	3.0
Advanced Principles of Nurse Anesthesia I	3.0
Advanced Principles of Nurse Anesthesia II	3.0
Applied Pathophysiology for Nurse Anesthesia	3.0

#### Clinical Practica

Clinical practicum sites are located primarily in Philadelphia, Delaware, and New Jersey. Students typically administer approximately 650 anesthetics in a wide variety of surgical and diagnostic procedures for a total of 1500 hours.

<a href="#">NURS 565S</a> Nurse Anesthesia Clinical Practicum I	3.0
<a href="#">NURS 566S</a> Nurse Anesthesia Clinical Practicum II	3.0
<a href="#">NURS 665S</a> Nurse Anesthesia Clinical Practicum III	3.0
<a href="#">NURS 666S</a> Nurse Anesthesia Clinical Practicum IV	3.0
<a href="#">NURS 667S</a> Nurse Anesthesia Clinical Practicum V	3.0
<a href="#">NURS 668S</a> Nurse Anesthesia Clinical Practicum VI	3.0



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## M.S.N. 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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## M.S.N. 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.

#### M.S.N. Core courses 18.0 Credits

<a href="#">NURS 500</a>	<b>Confronting Issues in Contemporary Health Care Environments</b>	3.0
<a href="#">NURS 502</a>	<b>Advanced Ethical Decision Making in Health Care</b>	3.0
<a href="#">NURS 526</a>	<b>Information, Innovation &amp; Technology in Advanced Nursing Practice</b>	3.0
<a href="#">NURS 527</a>	<b>Evidence-Based Approaches to Practice</b>	3.0
<a href="#">RSCH 519</a>	<b>Introduction to Biostatistics</b>	3.0
<a href="#">RSCH 523</a>	<b>Methods for Health Research</b>	3.0

#### Required Nursing Leadership in Health Systems Management Track courses 27.0 Credits

<a href="#">NURS 557</a>	<b>Leadership and Stewardship in the Health Professions</b>	3.0
<a href="#">NURS 558</a>	<b>Economics of Healthcare Management and Policy</b>	3.0
<a href="#">NURS 559</a>	<b>Operations Management in Contemporary Healthcare Organizations</b>	3.0
<a href="#">NURS 563</a>	<b>Building and Leading High Performance Healthcare Organizations</b>	3.0
<a href="#">NURS 564</a>	<b>The Business of Healthcare</b>	3.0
<a href="#">NURS 567</a>	<b>Strategic Positioning: Power, Politics and Influence in Healthcare Systems</b>	3.0
<a href="#">NURS 568</a>	<b>Practicum and Symposium in Healthcare Operations Management</b>	3.0
<a href="#">NURS 569</a>	<b>Practicum and Symposium of Nurse Administrators in the Management of Information</b>	3.0
	<b>Elective chosen from the LeBow School of Business or The School of Public Health</b>	3.0

#### Professional Seminar 1.0 Credit

<a href="#">NURS 669</a>	<b>Professional Seminar for Advanced Practice Nurses</b>	1.0
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## M.S.N. 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 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 10 days at the beginning of the clinical practicum rotations and for one week 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 M.S.N. Adult Acute Care Nurse Practitioner](#) web page.

### Curriculum

#### M.S.N. - Adult Acute Care Nurse Practitioner Track

Core courses	Credits
<a href="#">NURS 500</a> <b>Confronting Issues in Contemporary Health Care Environments</b>	3.0
<a href="#">NURS 502</a> <b>Advanced Ethical Decision Making in Health Care</b>	3.0
<a href="#">RSCH 519</a> <b>Introduction to Biostatistics</b>	3.0
<a href="#">RSCH 523</a> <b>Methods for Health Research</b>	3.0
<a href="#">NURS 526</a> <b>Information, Innovation and Technology in Advanced Nursing Practice</b>	3.0
<a href="#">NURS 527</a> <b>Evidence-Based Approaches to Practice</b>	3.0

#### Support courses

<a href="#">NURS 548</a> <b>Advanced Pathophysiology</b>	3.0
<a href="#">NURS 549</a> <b>Advanced Pharmacology</b>	3.0

<a href="#">NURS 550</a> Advanced Physical Assessment and Diagnostic Reasoning	4.0
<a href="#">NURS 554</a> Pharmacology for Acute Care Nurse Practitioners	3.0
<a href="#">NURS 664</a> Professional Seminar for Nurse Practitioners	1.0
<b>Elective</b>	
Elective	3.0
<b>Clinical Courses</b>	
<a href="#">NURS 570</a> Adult Acute Care Nurse Practitioner I: Role and Scope of Practice	5.0
<a href="#">NURS 571</a> Adult Acute Care Nurse Practitioner II: Management and Care of Clients in Medical Settings	5.0
<a href="#">NURS 572</a> Adult Acute Care Nurse Practitioner III: Management and Care of Clients in Surgical Settings	5.0
<a href="#">NURS 573</a> Adult Acute Care Nurse Practitioner IV: Management and Care of Clients in Critical Care Settings	5.0



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## M.S.N. 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 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 10 days at the beginning of the clinical practicum rotations and for one week 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 M.S.N. Adult Psychiatric Nurse Practitioner](#) web page.

### Curriculum

#### M.S.N. - Adult Psychiatric Mental Health Practitioner Track

Core courses	Credits
<a href="#">NURS 500</a> <b>Confronting Issues in Contemporary Health Care Environments</b>	3.0
<a href="#">NURS 502</a> <b>Advanced Ethical Decision Making in Health Care</b>	3.0
<a href="#">RSCH 519</a> <b>Introduction to Biostatistics</b>	3.0
<a href="#">RSCH 523</a> <b>Methods for Health Research</b>	3.0
<a href="#">NURS 526</a> <b>Information, Innovation and Technology in Advanced Nursing Practice</b>	3.0
<a href="#">NURS 527</a> <b>Evidence-Based Approaches to Practice</b>	3.0

#### Support courses

<a href="#">NURS 548</a> <b>Advanced Pathophysiology</b>	3.0
<a href="#">NURS 549</a> <b>Advanced Pharmacology</b>	3.0
<a href="#">NURS 550</a> <b>Advanced Physical Assessment and Diagnostic Reasoning</b>	4.0
<a href="#">NURS 555</a> <b>Psychopharmacology</b>	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 592](#) Psychiatric Mental Health Nurse Practitioner I: Theoretical Foundations of Psychiatric Mental Health Nursing 5.0

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[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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[NURS 594](#) Psychiatric Mental Health Nurse Practitioner III: Psychiatric Conditions in Primary Care 5.0

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[NURS 595](#) Psychiatric Mental Health Nurse Practitioner IV: Management and Mental Health Care of Special Populations 5.0

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## M.S.N. Nurse Practitioner Programs: Family Nurse Practitioner Track

*59 quarter credits; 800 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.

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

### M.S.N. - Family Nurse Practitioner Track

Core courses	Credits
<a href="#">NURS 500</a> <b>Confronting Issues in Contemporary Health Care Environments</b>	3.0
<a href="#">NURS 502</a> <b>Advanced Ethical Decision Making in Health Care</b>	3.0
<a href="#">RSCH 519</a> <b>Introduction to Biostatistics</b>	3.0
<a href="#">RSCH 523</a> <b>Methods for Health Research</b>	3.0
<a href="#">NURS 526</a> <b>Information, Innovation and Technology in Advanced Nursing Practice</b>	3.0
<a href="#">NURS 527</a> <b>Evidence-Based Approaches to Practice</b>	3.0

### Support courses

<a href="#">NURS 548</a> <b>Advanced Pathophysiology</b>	3.0
<a href="#">NURS 549</a> <b>Advanced Pharmacology</b>	3.0
<a href="#">NURS 550</a> <b>Advanced Physical Assessment and Diagnostic Reasoning</b>	4.0
<a href="#">NURS 556</a> <b>Pharmacology for Family Nurse Practitioners</b>	3.0
<a href="#">NURS 664</a> <b>Professional Seminar for Nurse Practitioners</b>	1.0

### Elective

Elective	3.0
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### Clinical Courses

<a href="#">NURS 575</a> <b>Family Nurse Practitioner I: Primary Care of Infants, Children and Adolescents</b>	5.0
<a href="#">NURS 578</a> <b>Family Nurse Practitioner II: Primary Care of Women</b>	5.0
<a href="#">NURS 576</a> <b>Family Nurse Practitioner III: Primary Care of Adults</b>	5.0
<a href="#">NURS 577</a> <b>Family Nurse Practitioner IV: Primary Geriatric Care</b>	5.0





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## M.S.N. 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. Graduates are eligible to sit for ANCC's Pediatric Nurse Practitioner Examination and/ or PNCB's Pediatric Nurse Practitioner Examination.

See the College's [M.S.N. Nurse Practitioner Programs](#) web site for more information.

### M.S.N. - Pediatric Primary Care Practitioner Track

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

### Clinical Courses

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<a href="#">NURS 642</a>	<b>Pediatric Nurse Practitioner I: Wellness, Health Promotion &amp; Disease Prevention in Infants, Children and Adolescents</b>	5.0
<a href="#">NURS 643</a>	<b>Pediatric Nurse Practitioner II: Episodic Care of Infants, Children, and Adolescents</b>	5.0
<a href="#">NURS 644</a>	<b>Pediatric Nurse Practitioner III: Primary Care Issues in Children with Chronic Illness</b>	5.0
<a href="#">NURS 645</a>	<b>Pediatric Nurse Practitioner IV: Primary Care of Adolescents</b>	5.0

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## M.S.N. 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 M.S.N. 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. Graduates are eligible to sit for NCC's Women's Health Nurse Practitioner 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 10 days at the beginning of the clinical practicum rotations and for one week 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

#### M.S.N. - Women's Health Nurse Practitioner

M.S.N. Core courses	Credits
<a href="#">NURS 500</a> <b>Confronting Issues in Contemporary Health Care Environments</b>	3.0
<a href="#">NURS 502</a> <b>Advanced Ethical Decision Making in Health Care</b>	3.0
<a href="#">RSCH 519</a> <b>Introduction to Biostatistics</b>	3.0
<a href="#">RSCH 523</a> <b>Methods for Health Research</b>	3.0
<a href="#">NURS 526</a> <b>Information, Innovation and Technology in Advanced Nursing Practice</b>	3.0
<a href="#">NURS 527</a> <b>Evidence-Based Approaches to Practice</b>	3.0

#### Support courses:

<a href="#">NURS 548</a> <b>Advanced Pathophysiology</b>	3.0
<a href="#">NURS 549</a> <b>Advanced Pharmacology</b>	3.0
<a href="#">NURS 550</a> <b>Advanced Clinical Assessment and Diagnostic Reasoning</b>	4.0



<a href="#">NURS 678</a>	Health, Wellness and Primary Care for Women's Health Nurse Practitioners I	3.0
<a href="#">NURS 679</a>	Health, Wellness and Primary Care for Women's Health Nurse Practitioners II	3.0
<a href="#">NURS 682</a>	Pharmacology for Women's Health Nurse Practitioners I	3.0
<b>Practicum courses:</b>		
<a href="#">NURS 690</a>	Management and Care of the Gynecological Needs of Women I	5.0
<a href="#">NURS 691</a>	Management and Care of the Gynecological Needs of Women II	5.0
<a href="#">NURS 692</a>	Management and Care of the Obstetrical Needs of Women and Families I	5.0
<a href="#">NURS 693</a>	Management and Care of the Obstetrical Needs of Women and Families II	5.0
<b>Professional Seminar</b>		
<a href="#">NURS 664</a>	Professional Seminar for Women's Health Nurse Practitioners	1.0



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## M.S.N. Completion Program for Women's Health Nurse Practitioners

*56 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 and to take the NCC's certification examination.

For information about the online delivery format of this program, visit the [Drexel University Online M.S.N. Completion Program for Women's Health Nurse Practitioners](#) web page.

### Curriculum

#### M.S.N. Completion Program for Women's Health Nurse Practitioners

M.S.N. Core courses		Credits
<a href="#">NURS 500</a>	Confronting Issues in Contemporary Health Care Environments	3.0
<a href="#">NURS 502</a>	Advanced Ethical Decision Making in Health Care	3.0
<a href="#">RSCH 519</a>	Introduction to Biostatistics	3.0
<a href="#">RSCH 523</a>	Methods for Health Research	3.0
<a href="#">NURS 526</a>	Information, Innovation and Technology in Advanced Nursing Practice	3.0
<a href="#">NURS 527</a>	Evidence-Based Approaches to Practice	3.0
<b>Elective</b>		
	Elective	3.0

#### Planned Parenthood Federations of America Courses (PPFA) courses:

N600	Advanced Physical Assessment	4.0
N610	GYN I	4.0
N612	GYN II	4.0
N614	OB I	4.0
N616	OB II	4.0
N620	Pharmacology for the Women's Health Nurse Practitioner I	3.0
N622	Pharmacology for the Women's Health Nurse Practitioner II	3.0
N630	Health, Wellness and Primary Care of Women I	4.0
N632	Health, Wellness and Primary Care of Women II	4.0
N690	Professional Issues	1.0



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## M.S.N. for Nurses With a Non-Nursing B.A. or B.S. (M.S.N.-Bridge Program)

### About the Program

An R.N./M.S.N. "bridge" program is available for nurses who hold a non-nursing B.A. or a B.S. Applicants to this program must complete the admission process to the M.S.N. 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 B.S.N.-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 M.S.N. program, students progress directly into graduate-level courses. (Note: The B.S.N. 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 M.S.N. Bridge Program](#) web page for information about the online delivery format.

### Required Courses

Credits

<a href="#">NURS 325</a> Critical Issues Shaping Professional Nursing	3.0
<a href="#">NURS 375</a> Nurses Building a Healthy Community: Theory and Practice	6.0
<a href="#">NURS 462</a> Science, Technology, and Health: A Nursing Perspective	6.0



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## Adult Acute Care Nurse Practitioner Post-Master's Certificate

24.0 credits

The Post-Master's Certificate Program 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 generally be completed in one year of part-time study. Transcripts will be reviewed and course work will be determined on an individual basis.

### 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. Please see the MSN Program Coordinator for the exact schedule.

### Required Courses

#### Summer

<a href="#">NURS 570</a>	<b>Adult Acute Care Nurse Practitioner I: Role and Scope of Practice</b>	5.0
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#### Fall

<a href="#">NURS 571</a>	<b>Adult Acute Care Nurse Practitioner II: Management and Care of Clients in Medical Settings</b>	5.0
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#### Winter

<a href="#">NURS 572</a>	<b>Adult Acute Care Nurse Practitioner III :Management and Care of Clients in Surgical Settings</b>	5.0
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<a href="#">NURS 605</a>	<b>Pharmacology for the Acute Care Nursing Practitioner</b>	3.0
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#### Spring

<a href="#">NURS 573</a>	<b>Adult Acute Care Nurse Practitioner IV: Management and Care of Clients in Critical Care Settings</b>	5.0
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<a href="#">NURS 669</a>	<b>Professional Seminar for Advanced Practice Nurses</b>	1.0
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For more information, visit the [Nursing Post-Master's Certificate](#) web page.





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## Adult Psychiatric Mental Health Nurse Practitioner Post-Master's Certificate

24.0 credits

The Post-Master's Certificate Program 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 generally be completed in one year of part-time study. Transcripts will be reviewed and course work will be determined on an individual basis.

### 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. Please see the MSN Program Coordinator for the exact schedule.

### Required Courses

#### Summer

<a href="#">NURS 592</a>	Psychiatric Mental Health Nurse Practitioner I: Theoretical Foundations of Psychiatric Mental Health Nursing	5.0
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#### Fall

<a href="#">NURS 593</a>	Psychiatric Mental Health Nurse Practitioner II: Management and Care of Clients with Acute and Chronic Mental Illness	5.0
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#### Winter

<a href="#">NURS 594</a>	Psychiatric Mental Health Nurse Practitioner III: Psychiatric Conditions in Primary Care	5.0
<a href="#">NURS 555</a>	Psychopharmacology	3.0

#### Spring

<a href="#">NURS 595</a>	Psychiatric Mental Health Nurse Practitioner IV: Management and Mental Health Care of Special Populations	5.0
<a href="#">NURS 669</a>	Professional Seminar for Advanced Practice Nurses	1.0

For more information, visit the [Nursing Post-Master's Certificate](#) web page.





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## Post-Bachelor's Certificate in Clinical Trials Research

*14.0 credits*

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

Required courses	14.0 Credits
<a href="#">NURS 582</a> Foundations of Good Clinical Practice in Clinical Trials Management	3.0
<a href="#">NURS 583</a> Operational Leadership in Clinical Trials Management	3.0
<a href="#">NURS 584</a> Current Topics in Clinical Trials Management	3.0
<a href="#">NURS 585</a> Clinical Trials Research Practicum	5.0

For more information, visit the [Drexel Online University](#) web site and view the [Post-Bachelor's Certificate in Clinical Trials](#) web page.



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## 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.

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

<a href="#">CIT 501</a>	Foundations of Phytotherapy	3.0
<a href="#">CIT 502</a>	Theoretical and Cultural Foundations in Complementary and Integrative Therapies	3.0
<a href="#">CIT 503</a>	Holistic Living for the Caregiver	3.0

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

<a href="#">CIT 600</a>	Foundations in Clinical Aromatherapy	3.0
<a href="#">CIT 601</a>	Integration of Complementary and Alternative Therapies into Practice	3.0
<a href="#">CIT 602</a>	Women's Integrative Health	3.0



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## Post-Bachelor's Certificate in Contemporary Nursing Faculty

*12.0 quarter credits*

The Post-Bachelor's Certificate in Contemporary Nursing Faculty 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 [M.S.N. in Contemporary Nursing Faculty](#) 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 M.S.N. at Drexel or any other university.

For additional information about this certificate program (including admissions criteria) visit the [Drexel Online University](#) web site and view the [Post-Bachelor's Certificate in Contemporary Nursing Faculty](#) web page.

Required Courses	12.0 Credits
<a href="#">NURS 597</a> Clinical and Didactic Teaching Methods in Nursing Education	3.0
<a href="#">NURS 598</a> Teaching Critical Thinking and Clinical Decision-Making in Nursing	3.0
<a href="#">NURS 599</a> Curriculum Design, Measurement, and Evaluation in Nursing Education	3.0

In addition, students select one of the following courses:

<a href="#">NURS 612</a> The Nursing Academic in the Changing Higher Education Environment	3.0
<a href="#">NURS 613</a> The Role and Responsibilities of the Nursing Professor	3.0
<a href="#">NURS 614</a> Technologies for Nursing Education and Practice	3.0



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## Post-Masters Certificate in Contemporary Nursing Faculty

*19.0 quarter credits*

The Post-Master's Certificate in Contemporary Nursing Faculty 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 generally be completed in one year of 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 and view the [Post-Master's Certificate in Contemporary Nursing Faculty](#) web page.

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

In addition, students select one of the following courses:

<a href="#">NURS 612</a> The Nursing Academic in the Changing Higher Education Environment	3.0
<a href="#">NURS 613</a> The Role and Responsibilities of the Nursing Professor	3.0
<a href="#">NURS 614</a> Technologies for Nursing Education and Practice	3.0





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## Family Nurse Practitioner Post-Master's Certificate

*28.0 credits*

The Post-Master's Certificate Program 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 generally be completed in one year of part-time study. Transcripts will be reviewed and course work will be determined on an individual basis.

### 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. Please see the MSN Program Coordinator for the exact schedule.

### Required Courses

<a href="#">NURS 556</a> Pharmacology for Family Nurse Practitioners	3.0
<a href="#">NURS 575</a> Family Nurse Practitioner I: Primary Care of Infants, Children and Adolescents	5.0
<a href="#">NURS 578</a> Family Nurse Practitioner II: Primary Care of Women	5.0
<a href="#">NURS 576</a> Family Nurse Practitioner III: Primary Care of Adults	5.0
<a href="#">NURS 577</a> Family Nurse Practitioner IV: Primary Geriatric Care	5.0
<a href="#">NURS 579</a> Family Nurse Practitioner V: Integrative Practicum in Family Practice	4.0
<a href="#">NURS 669</a> Professional Seminar for Advanced Practice Nurses	1.0





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## Certificate in Health Services Administration

*18.0 credits*

This certificate program is designed for individuals seeking to qualify for administrative or managerial positions in the ever-expanding health-care industry in such settings as hospitals, health clinics, managed-care organizations, health-insurance companies, government health agencies, nonprofit health organizations, specialty health services facilities, physician offices, government and municipal health agencies, nonprofit health organizations, health information/technology companies, health marketing and communications firms, health analysis and policy agencies, and health care law firms.

**Students select six of the following courses for a total of 18.0 credits.**

**Credits**

<a href="#">ECON 240</a>	<b>Economics of Health Care Systems</b>	4.0
<a href="#">HSAD 210</a>	<b>Health-Care Ethics</b>	
or		
<a href="#">HSAD 309</a>	<b>Advanced Health-Care Ethics</b>	3.0
or		
<a href="#">PHIL 321</a>	<b>Biomedical Ethics</b>	
<a href="#">HSAD 310</a>	<b>Health-Systems Administration</b>	3.0
<a href="#">HSAD 311</a>	<b>Health-Care Policy</b>	3.0
<a href="#">HSAD 314</a>	<b>Leadership and Management in Health Services</b>	3.0
<a href="#">HSAD 321</a>	<b>Health Care Human Resources</b>	3.0
or		
<a href="#">HSAD 323</a>	<b>Principles of Human Resource Administration</b>	
<a href="#">HSAD 322</a>	<b>Health-Care Law</b>	3.0
<a href="#">HSAD 330</a>	<b>Financial Management in Health Care</b>	3.0
or		
<a href="#">FIN 301</a>	<b>Introduction to Finance</b>	4.0



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## Innovation and Intra/Entrepreneurship in Advanced Nursing Practice Post-Baccalaureate Certificate

*12.0 credits*

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

### Required Courses

#### *Fall*

<a href="#">NURS 586</a>	<b>Innovation in Advanced Nursing Practice: Theory and Application</b>	3.0
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#### *Winter*

<a href="#">NURS 587</a>	<b>Case Studies in Intra/Entrepreneurship and Innovation in Nursing</b>	3.0
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#### *Spring*

<a href="#">NURS 588</a>	<b>The Nurse as Intra/Entrepreneur and Consultant</b>	3.0
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#### *Fall*

<a href="#">NURS 636</a>	<b>Innovation Capstone Project I</b>	3.0
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For more information, visit the [Drexel Online University](#) web site and view the [Post-Bachelor's Certificate in Innovation and Intra/Entrepreneurship in Advanced Nursing Practice](#) web page.



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## Innovation and Intra/Entrepreneurship in Advanced Nursing Practice Post-Master's Certificate

19.0 credits

The Post-Master's Certificate Program 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 generally be completed in one year of part-time study. Transcripts will be reviewed and course work will be determined on an individual basis.

### Program of Study

Post-Master's 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

<a href="#">NURS 586</a>	Innovation in Advanced Nursing Practice: Theory and Application	3.0
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#### Winter

<a href="#">NURS 587</a>	Case Studies in Intra/Entrepreneurship and Innovation in Nursing	3.0
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#### Spring

<a href="#">NURS 588</a>	The Nurse as Intra/Entrepreneur and Consultant	3.0
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#### Fall

<a href="#">NURS 636</a>	Innovation Capstone Project I	3.0
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#### Winter

<a href="#">NURS 637</a>	Innovation Capstone Project II	3.0
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#### Spring

<a href="#">NURS 638</a>	Innovation Capstone Project III	3.0
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<a href="#">NURS 669</a>	Professional Seminar for Advanced Practice Nurses	1.0
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For more information, visit the [Drexel Online University](#) web site and view the [Post-Master's Certificate in Innovation and Intra/Entrepreneurship in Advanced Nursing Practice](#) web page.



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## Leadership and Management Certificate in Healthcare Services

*12.0 quarter credits*

This post-professional certificate program 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 [Post-Bachelor's Certificate in Leadership and Management in Healthcare Services](#) web page.

Required Courses		12.0 Credits
<a href="#">NURS 557</a>	Leadership and Stewardship in the Health Professions	3.0
<a href="#">NURS 558</a>	Economics of Healthcare Management and Policy	3.0
<a href="#">NURS 559</a>	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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## Certificate in Medical Billing and Coding

*18.0 credits*

This online certificate program is designed for those who want to begin medical billing and coding careers or prepare for certification exams in these areas. Students will learn principles of medical coding related to the three main coding manuals: CPT, ICD-9-CM, and HCPCS. The curriculum covers principles of medical billing and coding for in-patient and outpatient hospitals.

For additional information about this online certificate program (including admissions criteria) visit the [Drexel Online University](#) web site and view the [Certificate in Medical Billing and Coding](#) web page

Required courses	18.0 Credits
<a href="#">HSAD 201</a> <b>Medical Billing I</b>	3.0
<a href="#">HSAD 202</a> <b>Medical Billing II</b>	3.0
<a href="#">HSAD 301</a> <b>Physician-Based Medical Coding I</b>	3.0
<a href="#">HSAD 302</a> <b>Physician-Based Medical Coding II</b>	3.0
<a href="#">HSAD 303</a> <b>Hospital-Based Medical Coding I</b>	3.0
<a href="#">HSAD 304</a> <b>Hospital-Based Medical Coding II</b>	3.0

**Students who place out of any of the above courses can substitute any of the following courses (provided that the prerequisites are met):**

<a href="#">HSAD 101</a> <b>Medical Terminology for Billers &amp; Coders</b>	3.0
<a href="#">HSAD 250</a> <b>Medical Billing Software</b>	3.0
<a href="#">HSAD 350</a> <b>Physician-Based Chart Auditing</b>	3.0
<a href="#">HSAD 360</a> <b>Hospital-Based Case Studies</b>	3.0





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## Pediatric Primary Care Practitioner Post-Master's Certificate

24.0 credits

The Post-Master's Certificate Program 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 generally be completed in one year of part-time study. Transcripts will be reviewed and course work will be determined on an individual basis.

### 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. Please see the MSN Program Coordinator for the exact schedule.

### Required Courses

#### Summer

<a href="#">NURS 642</a>	<b>Pediatric Nurse Practitioner I: Wellness, Health Promotion &amp; Disease Prevention in Infants, Children and Adolescents</b>	5.0
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#### Fall

<a href="#">NURS 643</a>	<b>Pediatric Nurse Practitioner II: Episodic Care of Infants, Children, and Adolescents</b>	5.0
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#### Winter

<a href="#">NURS 644</a>	<b>Pediatric Nurse Practitioner III: Primary Care Issues in Children with Chronic Illness</b>	5.0
<a href="#">NURS 646</a>	<b>Pharmacology for Pediatric Nurse Practitioners</b>	3.0

#### Spring

<a href="#">NURS 645</a>	<b>Pediatric Nurse Practitioner IV: Primary Care of Adolescents</b>	5.0
<a href="#">NURS 669</a>	<b>Professional Seminar for Advanced Practice Nurses</b>	1.0

For more information, visit the [Nursing Post-Master's Certificate](#) web page.



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## Nursing: Post-Master's Certificate Program

A Post-Master's Certificate Program 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 generally be completed in one or two years of part-time study. Transcripts will be reviewed and course work will be determined on an individual basis.

Prospective students should make an appointment with the following staff members to discuss career goals.

For information about Non-NP Tracks within the MSN Program and all students with non-matriculated status contact:

Redian Furxhiu, Academic Advisor

[rf53@drexel.edu](mailto:rf53@drexel.edu)

215.762.3999

For more information about NP Tracks and the Nurse Anesthesia Program contact:

Tanya Sims-Best, Academic Advisor

[tms54@drexel.edu](mailto:tms54@drexel.edu)

215.762.8564

### Admission Requirements

In addition to the general university admission requirements, please reference the Drexel Online University web site at [www.drexel.com](http://www.drexel.com).



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## 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*
- *Promote the physician assistant profession*
- *Improve health care delivery in rural and urban medically under served areas*

For more information visit the College of Nursing and Health Professions' [Physician Assistant](#) page.



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## Master of Health Science with Physician Assistant (PA) Certificate

### Curriculum

The intensive curriculum consists of 118 semester hours of professionally related coursework taken during a continuous 27-month 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 13 months of didactic courses followed by 14 months of supervised clinical practice.

Training begins with three semesters of didactic education, which also integrates patient interaction in several of these earliest courses. The clinical training phase begins with a five-week didactic preclinical orientation, which is followed by five-week clinical rotations in medicine, surgery, obstetrics and gynecology, pediatrics, emergency medicine, and psychiatry.

The final portion of the curriculum consists of two 10-week 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 is moving toward electronic documentation and communications. Therefore, all students are required to have laptop computers that have Web access capability.

Full-time students take all of the courses listed for each semester. The part-time option requires thirty nine months overall and requires two years to complete the didactic year. Contact the [Physician Assistant Program](#) for more information on the sequencing for the part-time option.

The clinical phase of the curriculum is completed on a full-time basis for both full and part-time students.

### Required Courses

### Credits

#### First Year, Summer Semester

[RSCH 500S](#) Research Design and Methods



or

<a href="#">PA 526S</a>	Research Design and Methods	3.0
<a href="#">PA 524S</a>	Research Outcomes Assessment	3.0
<a href="#">PA 540S</a>	Leadership and Stewardship	3.0
<a href="#">PA 528S</a>	Advanced Human Anatomy	5.0
<a href="#">PA 525S</a>	Advanced Physiology	3.0
<b>Total credits</b>		<b>17.0</b>

#### First Year, Fall Semester

<a href="#">PA 346S</a>	Ethical Issues in PA Practice	2.0
<a href="#">PA 531S</a>	Pharmacology I	2.0
<a href="#">PA 520S</a>	Health Care Policy	3.0
<a href="#">PA 500S</a>	Principles of Medical Science	4.0
<a href="#">PA 532S</a>	History Taking	2.0
<a href="#">PA 310S</a>	Physical Diagnosis	5.0
<b>Total credits</b>		<b>18.0</b>

#### First Year, Spring Semester

<a href="#">PA 538S</a>	Biopsychosocial Issues in Patient Care	3.0
<a href="#">PA 534S</a>	Pharmacology II	2.0
<a href="#">PA 523S</a>	Epidemiology and Health Promotion	3.0
<a href="#">PA 535S</a>	Clinical Medicine	7.0
<a href="#">PA 429S</a>	Emergency Medicine in Primary Care	3.0
<b>Total credits</b>		<b>18.0</b>

The Clinical Phase (Full-time for all students)

#### Second Year, Summer Semester

<a href="#">PA 628S</a>	Foundations of Clinical Medicine	5.0
	Clinical Rotation 1	5.0
	Clinical Rotation 2	5.0
<b>Total credits</b>		<b>15.0</b>

#### Second Year, Fall Semester

<a href="#">PA 620S</a>	Graduate Project I	6.0
	Clinical Rotation 3	5.0
	Clinical Rotation 4	5.0
	Clinical Rotation 5	5.0
<b>Total credits</b>		<b>21.0</b>

#### Second Year, Spring Semester

<a href="#">PA 635S</a>	Primary Care Practicum	6.0
	Clinical Rotation 6	5.0
<b>Total credits</b>		<b>11.0</b>



**Third Year, Summer Semester**

<a href="#">PA 625S</a>	<b>Graduate Project II</b>	6.0
<a href="#">PA 432S</a>	<b>Preceptorship</b>	12.0
	<b>Total credits</b>	<b>18.0</b>

**Clinical Rotation Courses**

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

<a href="#">PA 421S</a>	<b>Medicine Rotation</b>	5.0
<a href="#">PA 422S</a>	<b>Pediatrics Rotation</b>	5.0
<a href="#">PA 423S</a>	<b>Surgery Rotation</b>	5.0
<a href="#">PA 424S</a>	<b>OB-GYN Rotation</b>	5.0
<a href="#">PA 425S</a>	<b>Psychiatry Rotation</b>	5.0
<a href="#">PA 426S</a>	<b>Emergency Medicine Rotation</b>	5.0



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## Advanced Physician Assistant Studies Program

The Advanced Physician Assistant Studies program provides graduate education courses as a basis for personalized, professional development within the student's selected area of study. The goal 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 Advanced Physician Assistant Studies 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 [Advanced Physician Assistant Studies](#) web page.



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## Advanced Physician Assistant Studies Program

### Curriculum

All students complete a total of 33 credits for graduation. Fifteen credits are in core courses, and 18 are devoted to the individual student's area of study—6 credits in cognate courses and 12 credits in graduate project courses. 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 graduate project courses.

#### Required Core Courses

	Credits
<a href="#">PA 526S</a> Research Design and Methods	3.0
<a href="#">PA 524S</a> Research Outcomes Assessment	3.0
<a href="#">PA 523S</a> Epidemiology and Health Promotion	3.0
<a href="#">PA 520S</a> Health Policy	3.0
<a href="#">PA 522S</a> Leadership and Management	3.0

#### Study Concentration Courses

Cognates*	6.0
<a href="#">PA 620S</a> Graduate Project I	6.0
<a href="#">PA 625S</a> Graduate Project II	6.0

\* Students may select two courses related to their areas of interest from within the University or, with approval, they may transfer six graduate-level credits to meet the cognate requirements.

#### Alternate Pathway for Study Concentration Courses

Cognates*	6.0
<a href="#">PA 626S</a> Portfolio Preparation	1.0
<a href="#">PA 627S</a> Portfolio Review	

\* Students may select two courses related to their areas of interest from within the University or, with approval, they may transfer six graduate-level credits to meet the cognate requirements.

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## Professional Doctor of Physical Therapy (D.P.T.)

The Professional Doctor of Physical Therapy (D.P.T.) 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 (P.T.s) 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, P.T.s assume roles in rehabilitation services, prevention and health maintenance programs, and professional and community programs. As a professional member of the health care team, P.T.s 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. P.T.s also serve as advocates for health policy and standards of care that help ensure optimum care for their patients/clients.

Graduates of the D.P.T. 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.

### Educational Goals and Philosophy

Drexel University and the D.P.T. program seek to enhance the educational environment through inquiry, teaching, research, and collegial interaction. Students learn from an accomplished faculty who value teaching, scholarship, service, professional practice, and community outreach. Drexel's resources, its clinical affiliations, and community networks provide the necessary opportunities for enhanced knowledge and professional growth. The D.P.T. curriculum values the physical therapist as a health care provider who gives particular attention to the anatomical, physiological, and biopsychosocial aspects of the mind and body, following both prevention/wellness and disablement models. Emphasis is placed on examination, evaluation, and intervention plans to determine a diagnosis and prognosis that will effect optimal outcomes throughout the continuum of care.

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 (D.P.T.)

128.0 quarter credits

### Curriculum

The D.P.T. 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 is comprised of 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 D.P.T. program consists of the following courses:

#### *First year*

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



<a href="#">PTRS 646</a>	Orthosis Management	1.5
<a href="#">PTRS 616</a>	Clinical Practice IV	.5

*Second year*

<b>Fall</b>		<b>11.5 Credits</b>
<a href="#">PTRS 631</a>	Life Span Development	3.0
<a href="#">PTRS 752</a>	Research and Measurement in PT	2.0
<a href="#">PTRS 751</a>	Evidence-Based Practice	2.0
<a href="#">PTRS 634</a>	Health Professional Roles	3.0
<a href="#">PTRS 774</a>	Clinical Education Seminar	.5
<a href="#">PTRS 775</a>	Clinical Education I	1.0

<b>Winter</b>		<b>18.0 Credits</b>
<a href="#">PTRS 622</a>	Orthopedic Physical Therapy: Spine	4.0
<a href="#">PTRS 628</a>	Cardiopulmonary Physical Therapy II	4.0
<a href="#">PTRS 645</a>	Prosthesis Management	1.5
<a href="#">PTRS 644</a>	Wound Care Management	1.5
<a href="#">PTRS 642</a>	Neurological Examination and Intervention II	5.0
<a href="#">PTRS 640</a>	Motor Learning and Rehabilitation	1.0
<a href="#">PTRS 637</a>	Professional Projects I	1.0

<b>Spring</b>		<b>5.0 Credits</b>
<a href="#">PTRS 776</a>	Clinical Education II	2.0
<a href="#">PTRS 610</a>	Issues in Pharmacotherapy	3.0

<b>Summer</b>		<b>18.5 Credits</b>
<a href="#">PTRS 753</a>	Evaluation of Research in Physical Therapy	4.0
<a href="#">PTRS 643</a>	Applied Biomechanics	3.0
<a href="#">PTRS 632</a>	Pediatric Physical Therapy	6.5
<a href="#">PTRS 538</a>	Clinical Correlations II	3.0
<a href="#">PTRS 635</a>	Clinical Professional Issues	2.0

*Third year*

<b>Fall</b>		<b>4.5 Credits</b>
<a href="#">PTRS 777</a>	Clinical Education III	2.0
<a href="#">PTRS 636</a>	Health Administration and Policy	2.5

<b>Winter</b>		<b>5.0 Credits</b>
<a href="#">PTRS 778</a>	Clinical Internship	3.0
<a href="#">PTRS 647</a>	Professional Projects II	2.0

In addition, students select Clinical Electives and/or Independent Project courses (credits will be in excess of requirement for degree).



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## 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
- Adult 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.



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## 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

<a href="#">PTRS 604</a>	Induction, Inquiry, and Integration	3.0
<a href="#">PTRS 758</a>	Evidence-Based Rehabilitation	4.0

#### One Applied Science course

<a href="#">PTRS 612</a>	Pharmacotherapeutics	3.0
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#### Two Clinical Science courses

<a href="#">PTRS 650</a>	Motor Control and Learning Rehabilitation	3.0
<a href="#">PTRS 651</a>	Applied Tissue Biomechanics	3.0

#### One elective course

<a href="#">PTRS 721</a>	Teaching Concepts in Rehabilitation Sciences	3.0
or		
<a href="#">PTRS 720</a>	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.)

#### Orthopedics

<a href="#">PTRS 765</a>	Extremity Rehabilitation	4.0
<a href="#">PTRS 766</a>	Spinal Rehabilitation	4.0

#### Adult Rehabilitation

<a href="#">PTRS 762</a>	Women's Health Physical Therapy	4.0
<a href="#">PTRS 764</a>	Geriatric Rehabilitation	4.0
<a href="#">PTRS 763</a>	Decision Making in Rehabilitation Sciences	4.0

#### Pediatrics

<a href="#">PTRS 760</a>	Pediatric Decision Making	4.0
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<a href="#">PTRS 761</a>	<b>Pediatric Clinical Application</b>	4.0
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**Hand and Upper Quarter Rehabilitation**

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<a href="#">PTRS 767</a>	<b>Foundations in Hand Therapy</b>	4.0
<a href="#">PTRS 768</a>	<b>Upper Quarter Joint Pathology</b>	4.0
<a href="#">PTRS 769</a>	<b>Nerve Injuries of the Upper Quarter</b>	4.0

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**Accreditation of Professional Experience**

Bachelor's prepared therapists are also required to complete [PTRS 609](#). This course provides an opportunity for bachelors 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 D.P.T. degree.

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<a href="#">PTRS 609</a>	<b>Experiential Accreditation</b>	6.0
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## Master of Health Science (M.H.S.) Degree in Rehabilitation Sciences

*45.0 quarter credits*

The M.H.S. 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 M.H.S. 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
<a href="#">PTRS 501</a> Introduction to Research	4.0
<a href="#">RHAB 759</a> Introduction to Biostatistics	3.0
<a href="#">PTRS 721</a> Teaching Concepts in Rehabilitation Sciences	3.0
<a href="#">PTRS 651</a> Applied Tissue Biomechanics	3.0
<a href="#">PTRS 758</a> Evidence-Based Rehabilitation	4.0
<a href="#">PTRS 650</a> Motor Learning and Motor Control	3.0



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### Concentration

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

#### Hand and Upper Quarter Rehabilitation Concentration Options

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<a href="#">PTRS 767</a>	Foundations of Hand Therapy	4.0
<a href="#">PTRS 768</a>	Upper Quarter Joint Pathology	4.0
<a href="#">PTRS 769</a>	Nerve Injuries of the Upper Quarter	4.0
<a href="#">PTRS 770</a>	Diseases that Affect the Hand	4.0
<a href="#">PTRS 771</a>	Work Injury Management	2.0

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#### Pediatrics Concentration Options

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<a href="#">PTRS 760</a>	Pediatric Decision Making	4.0
<a href="#">PTRS 761</a>	Pediatric Clinical Application	4.0
<a href="#">PTRS 772</a>	Selected Topics in Pediatric Physical Therapy	4.0
<a href="#">PTRS 773</a>	Seminar in Pediatrics	4.0

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

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#### Orthopedics Concentration Options

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

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

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#### Electives

Students select a minimum of 3-5 credits of electives

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<a href="#">PTRS 612</a>	Pharmacotherapeutics	3.0
<a href="#">RHAB 824</a>	Teaching Practicum I	1.0
<a href="#">RHAB 825</a>	Teaching Practicum II	2.0
<a href="#">RHAB 826</a>	Teaching Practicum III	3.0
<a href="#">RHAB 816</a>	Special Topics in Rehabilitation Sciences	1.0-4.0
<a href="#">RHAB 820</a>	Independent Study in Rehabilitation Sciences	1.0-4.0

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

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**Final Project**

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<a href="#">PTRS 786</a>	<b>Final Project I</b>	1.0 - 2.0
<a href="#">PTRS 787</a>	<b>Final Project II</b>	1.0 - 2.0

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For more information visit the Programs College of Nursing and Health Professions' [Programs in Rehabilitation Sciences](#) web page.

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## Doctor of Philosophy (Ph.D.) in Rehabilitation Sciences

### Program Objectives

The Ph.D. 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 [Physical Therapy and Rehabilitation Sciences Overview](#) page on the College of Nursing and Health Professions web site.



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## Doctor of Philosophy (Ph.D.) in Rehabilitation Sciences

### Curriculum

The curriculum is divided into three core areas: clinical and basic science, research, and teaching. The research core is emphasized for the Ph.D. degree. Courses in clinical and basic science are selected based on the student's area of concentration, objective for doctoral study, and dissertation research. Students work individually with a faculty mentor to complete 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 Ph.D. degree can be completed in 3.5 to 4 years of full-time study for students who enter with a master's degree.

Core Courses		Credits
<a href="#">RHAB 759</a>	Introduction to Biostatistics	3.0
<a href="#">RHAB 811</a>	Intermediate Biostatistics	3.0
<a href="#">RHAB 760</a>	Academia for Rehabilitation Scientists	1.0
<a href="#">RHAB 761</a>	Foundations of Rehabilitation Research	3.0
<a href="#">RHAB 812</a>	Interpretation of Data	3.0
<a href="#">RHAB 813</a>	Measurement Theory in Rehabilitation Sciences	3.0
<a href="#">RHAB 814</a>	Research Designs in Rehabilitation Sciences	3.0
<a href="#">RHAB 815</a>	Scientific Inquiry and Writing	3.0
<a href="#">RHAB 762</a>	Teaching for Rehabilitation Sciences Faculty	2.0
<a href="#">RHAB 830</a>	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 can take courses from any concentration with the approval of their advisor and permission of the course instructor.

<a href="#">RHAB 763</a>	Biomechanics in Rehabilitation	3.0
<a href="#">RHAB 764</a>	Biomechanics in Human Movement	3.0
<a href="#">RHAB 765</a>	Introduction to Movement Science	3.0
<a href="#">PTRS 650</a>	Motor Learning and Motor Control	3.0
<a href="#">PTRS 651</a>	Applied Tissue Biomechanics	3.0
<a href="#">PTRS 758</a>	Evidence-Based Rehabilitation	4.0
<a href="#">PTRS 760</a>	Pediatric Decision Making	4.0

<a href="#">PTRS 761</a>	<b>Pediatric Clinical Application</b>	4.0
<a href="#">PTRS 772</a>	<b>Selected Topics in Pediatric Physical Therapy</b>	4.0
<a href="#">PTRS 773</a>	<b>Seminar in Pediatrics</b>	4.0
<a href="#">PTRS 762</a>	<b>Women's Health Physical Therapy</b>	4.0
<a href="#">PTRS 764</a>	<b>Geriatric Rehabilitation</b>	4.0
<a href="#">PTRS 766</a>	<b>Extremity Rehabilitation</b>	4.0
<a href="#">PTRS 765</a>	<b>Spinal Rehabilitation</b>	4.0
<a href="#">PTRS 767</a>	<b>Foundations of Hand Therapy</b>	4.0
<a href="#">PTRS 768</a>	<b>Upper Quarter Joint Pathology</b>	4.0
<a href="#">PTRS 769</a>	<b>Nerve Injuries of Upper Quarter</b>	4.0
<a href="#">PTRS 770</a>	<b>Diseases that Affect the Hand</b>	4.0
<a href="#">PTRS 771</a>	<b>Work Injury Management</b>	2.0
<a href="#">PTRS 750</a>	<b>Differential Diagnosis</b>	1.0

**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. Contact the [Rehabilitation Sciences Master of Health Science Program](#) for more details.

**Practica and Independent Study**

<a href="#">RHAB 820</a>	<b>Independent Study in Rehabilitation Sciences</b>	1.0-4.0
<a href="#">RHAB 823</a>	<b>Research Practicum</b>	1.0-6.0
<a href="#">RHAB 824</a>	<b>Teaching Practicum I</b>	1.0
<a href="#">RHAB 825</a>	<b>Teaching Practicum II</b>	2.0
<a href="#">RHAB 826</a>	<b>Teaching Practicum III</b>	3.0





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## 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 2002 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 the Programs in Physical Therapy and Rehabilitation Sciences, including the [M.H.S. in Rehabilitation Sciences](#) and the [Post-Professional D.P.T.](#) Both of these degree programs offer concentrations in hand and upper quarter rehabilitation.

### Curriculum

Foundations of Practice Requirements		Credits
<a href="#">PTRS 767</a>	Foundations in Hand Therapy	4.0
<a href="#">PTRS 768</a>	Upper Quarter and Joint Pathology	4.0
<a href="#">PTRS 769</a>	Nerve Injuries of the Upper Quarter	4.0
<a href="#">PTRS 770</a>	Diseases that Affect the Hand	4.0

For more information, visit the Programs College of Nursing and Health Professions' [Programs in Rehabilitation Sciences](#) web page.



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## 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
<a href="#">PTRS 750</a>	Differential Diagnosis	1.0
<a href="#">PTRS 758</a>	Evidence-Based Rehabilitation	4.0

### Clinical Science

Students select one of the following courses:

<a href="#">PTRS 590</a>	Clinical Anatomy	3.0- 4.0
<a href="#">PTRS 612</a>	Pharmacotherapeutics	3.0
<a href="#">PTRS 650</a>	Motor Learning and Motor Control	3.0
<a href="#">PTRS 651</a>	Applied Tissue Biomechanics	3.0

### Clinical Practice

Students select one of the following courses:

<a href="#">PTRS 720</a>	Rehabilitation Management	4.0
<a href="#">PTRS 765</a>	Spinal Rehabilitation	4.0
<a href="#">PTRS 766</a>	Extremity Rehabilitation	4.0
<a href="#">PTRS 721</a>	Teaching Concepts in Rehabilitation Sciences	4.0
<a href="#">PTRS 760</a>	Pediatric Decision Making	4.0
<a href="#">PTRS 761</a>	Pediatric Clinical Application	4.0
<a href="#">PTRS 762</a>	Women's Health Physical Therapy	4.0
<a href="#">PTRS 764</a>	Geriatric Rehabilitation	4.0

### Optional

For more information, visit the Programs College of Nursing and Health Professions' [Programs in Rehabilitation Sciences](#) web page.