

# Drexel University

Catalog 2005 / 2006

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## The College of Nursing and Health Professions

The [College of Nursing and Health Professions](#) contains a wealth of opportunity for prospective students to train in many health care fields. Managed care, universal access to health care, an aging population and the emergence of sophisticated direct care and communication technologies are revolutionizing health care delivery.

Students receive a broad-based health care education that balances academic learning and clinical training. Many programs offer night, weekend, part-time, and online courses. In addition, our dedicated and knowledgeable faculty members work closely with students, providing a supportive and creative learning environment.

The College of Nursing and Health Professions offers graduate degrees in the following areas:

- [Couple and Family Therapy](#)
  - [Family Therapy \(M.F.T.\)](#)
  - [Couple and Family Therapy \(Ph.D.\)](#)
- [Creative Arts in Therapy \(M.A\)](#)
  - Art Therapy
  - Dance/Movement Therapy
  - Music Therapy
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    - Psychiatric Mental Health
    - Woman's Care Nurse Practitioner
  - [RN-MSN Bridge Program](#)
  - [Versatile Individualized Program \(VIP\)](#)

- Physician Assistant Studies (M.H.S.)
  - [Entry-level Physician Assistant Studies](#)
  - [Advanced Physician Assistant Studies](#)
- [Rehabilitation Sciences and Physical Therapy Programs](#)
  - [Entry-Level Doctor of Physical Therapy \(D.P.T.\)](#)
  - [Post-Professional Doctor of Physical Therapy \(D.P.T.\)](#)
  - [MHS and Certificate Program in Hand/Upper Quarter Rehabilitation](#)
  - [Doctor of Philosophy \(Ph.D.\)](#)

### **About the Graduate Nursing Curriculum**

The Graduate education at Drexel University's College of Nursing and Health Professions builds on the education and practice experiences of the adult learner and is characterized by a focus on specialization and a commitment to and involvement in the development and refinement of nursing knowledge. Advanced nursing practice involves theoretically based diagnostic reasoning and decision-making strategies in solving complex client problems.

The curriculum is based on the following assumptions:

- All areas of specialization have a core of advanced nursing knowledge in common.
- 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.

The College's faculty and staff are committed to educating nurses to think critically, make evidenced-based decisions and practice competently and compassionately in rapidly changing practice environments. To this end, the College supports faculty and staff in developing strong education, practice and research programs that demonstrate the efficacy, quality and cost effectiveness of nursing interventions in promoting health, preventing disease and caring for the ill.

All nursing efforts in the College are designed to build nursing knowledge, enhance nursing practice, foster professional integrity, and ultimately improve the health outcomes of patients, families and communities across the continuum of care.



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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 about specific degree requirements.

For additional information about the program, visit the College of Nursing's [DrNP Program](#) web page.



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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

<b>Research Methods Core</b>		<b>9.0 Credits</b>
<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>
Two approved electives for course of study (must support either the clinical practicum, role practicum, or clinical dissertation)		6.0

<b>Dissertation Core</b>		<b>9.0 Credits</b>
<a href="#">NURS 900</a>	Dissertation Seminar	3.0
<a href="#">NURS 996</a>	Dissertation Advisement I	2.0
<a href="#">NURS 997</a>	Dissertation Advisement II	2.0
<a href="#">NURS 998</a>	Dissertation Advisement III	2.0
Any student may be assigned additional cognates to properly support the dissertation topic		

**Note: Residency Requirement**

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



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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 Director of the Nurse Anesthesia Program:

John Wisniewski, M.S.N., M.S., B.S.N.  
1505 Race St.  
Room 713 Bellet Bldg.  
Philadelphia, PA 19102  
PHONE: 215-762-4039  
FAX: 215-762-1259  
[wisniewski@drexel.edu](mailto:wisniewski@drexel.edu)

Additional information is also available on Drexel's College of Nursing and Health Professions [Nurse Anesthesia Programs](#) web page.





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## M.S.N. in Nurse Anesthesia

66.0 credits

### About the Curriculum

The program provides an integrated didactic and clinical nurse anesthesia curriculum of which 24 credits are a didactic nurse anesthesia component and 18 credits are a clinical nurse anesthesia component. The program also contains a 12 credit basic science component and a 6 credit theoretical nursing component.

Core courses	Credits
<a href="#">NURS 505S</a> Advanced Practice Health Policy Issues in Managed Care	3.0
<a href="#">NURS 508S</a> Improving Systems for Health Promotion	3.0
<a href="#">NURS 510S</a> Research and Theory I	3.0
<a href="#">NURS 610S</a> Research and Theory II	3.0

### Support courses

<a href="#">NURS 520S</a> Physiology for Advanced Nurse Practice	3.0
<a href="#">NURS 521S</a> Advanced Pathophysiology for Nurse Anesthetists	3.0
<a href="#">NURS 560S</a> Overview of Nurse Anesthesia I	3.0
<a href="#">NURS 562S</a> Overview of Nurse Anesthesia II	3.0
<a href="#">NURS 561S</a> Basic Principles of Nurse Anesthesia	3.0
<a href="#">NURS 605S</a> Pharmacology for Advanced Nursing	3.0
<a href="#">NURS 655S</a> Clinical Nurse Anesthesia Practicum Seminar I	3.0
<a href="#">NURS 656S</a> Clinical Nurse Anesthesia Practicum Seminar II	3.0
<a href="#">NURS 657S</a> Chemistry and Physics Related to Nurse Anesthesia	3.0
<a href="#">NURS 660S</a> Advanced Principles of Nurse Anesthesia I	3.0
<a href="#">NURS 663S</a> Advanced Principles of Nurse Anesthesia II	3.0
<a href="#">NURS 661S</a> 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 Education

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 Programs](#) web page.



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## M.S.N. in Nursing Education

39.0 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

	Credits
<a href="#">NURS 505S</a> Advanced Practice Health Policy Issues in Managed Care	3.0
<a href="#">NURS 508S</a> Improving Systems for Health Promotion	3.0
<a href="#">NURS 510S</a> Research and Theory I	3.0
<a href="#">NURS 610S</a> Research and Theory II	3.0

### Support courses

<a href="#">NURS 507S</a> Leadership and Stewardship	3.0
<a href="#">NURS 520S</a> Physiology for Advanced Nurse Practice	3.0
<a href="#">NURS 544S</a> Theories of Adult Learning	3.0
<a href="#">NURS 545S</a> Evaluating Learning and Teaching	3.0
<a href="#">NURS 546S</a> Curriculum Design and Program Planning	3.0
<a href="#">NURS 600S</a> Advanced Clinical Assessment	6.0

### Practicum

<a href="#">NURS 654S</a> Education Symposium and Practicum	6.0
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## Certificate in Nursing Education

The nurse educator may be found in a myriad of settings including hospitals, long-term care facilities, community centers, corporate and philanthropic organizations. This program prepares nurses to become educational leaders. This online certificate program content includes integration of theories specific to adult learning, curriculum design and evaluation of courses and programs. The program combines theory, research and practical skills from the disciplines of education, management and leadership. This content is applicable in a variety of settings in both the academic and clinical arenas.

### Curriculum

Required Courses	9.0 Credits
<b>Learning As Transformation: Concepts and Strategies</b>	3.0
<b>Evaluating Learning and Teaching</b>	3.0
<b>Program Design and Instructional Technologies</b>	3.0

For more information on this program, please contact the Academic Advisor:

Karen Henken, MSN, RN  
 1505 Race St.  
 Room 736 Bellet Bldg.  
 Philadelphia, PA 19102  
 215-762-3999



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## M.S.N. in Leadership and Management

The M.S.N. in Leadership and 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 Drexel's [College of Nursing and Health Professions Programs](#) web page.



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## M.S.N. in Leadership and Management

36.0 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	Credits
<a href="#">NURS 505S</a> Advanced Practice Health Policy Issues in Managed Care	3.0
<a href="#">NURS 508S</a> Improving Systems for Health Promotion	3.0
<a href="#">NURS 510S</a> Research and Theory I	3.0
<a href="#">NURS 610S</a> Research and Theory II	3.0
Support courses	
<a href="#">NURS 507S</a> Leadership and Stewardship	3.0
<a href="#">NURS 541S</a> Healthcare Finance	3.0
<a href="#">NURS 542S</a> Human Resources and Employee Relations	3.0
<a href="#">NURS 543S</a> Legal Issues in Healthcare	3.0
<a href="#">NURS 652S</a> Information Systems in Healthcare	3.0
Elective	3.0
Practicum	
<a href="#">NURS 653S</a> Leadership and Management Symposium and Practicum	6.0



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## Certificate in Nursing Leadership and Management

This online certificate program prepares the student to be a nursing leader in today's rapidly changing healthcare environment. The 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 operate the mission and goals of the healthcare delivery.

### Curriculum

Required Courses	9.0 Credits
<b>Leadership and Stewardship</b>	3.0
<b>The Business of Healthcare</b>	3.0
<b>Human Resources and Employee Relations</b>	3.0

For more information on this program, please contact the Academic Advisor:

Karen Henken, MSN, RN  
 1505 Race St.  
 Room 736 Bellet Bldg.  
 Philadelphia, PA 19102  
 215-762-3999





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## Nurse Practitioner Programs

The College of Nursing and Health Professions offers three nurse practitioner programs, specializing in acute, family, and psychiatric-mental health care. The women's care nurse practitioner program is an M.S.N. completion program (see description).

The focus of the program is on the application of advanced practice nursing knowledge in order to improve/maintain the health status of a variety of patient populations. Emphasis is placed upon diagnostic reasoning and clinical decision making. Specialty track courses include:

- Adult Acute Care Nurse Practitioner
- Family Nurse Practitioner
- Adult Psychiatric Mental Health Nurse Practitioner
- Women's Health Care Nurse Practitioner in collaboration with Planned Parenthood Federation.

[Post-Master's Degree Nursing Practitioner](#) programs are available. Graduates are eligible to sit for the ANCC's and AANP Nurse Practitioner exams, Women's Health NP exams and the NCC's exams.

### Acute Care Nurse Practitioner

The Acute Care Nurse Practitioner program is designed to prepare practitioners for professional practice in the management of medical, surgical, and critical-care patient populations. Didactic and seminar courses provide a knowledge base of acute and chronic management of adults experiencing deviations from health across systems. Clinical practica allow students to put the principles they have learned into practice in the general medical-surgical and critical care populations, or to specialize within an area of practice. On completing the program, students pursue a variety of practice roles in acute care settings and in the outpatient care and management of adults. Graduates are eligible for licensure as acute care nurse practitioners by the Commonwealth of Pennsylvania and to sit for the ANCC's Acute Care Nurse Practitioner examination.

Also available within the Acute Care Nurse Practitioner track is a Perioperative concentration. This concentration is open to students who wish to focus their nurse practitioner role in the perioperative setting. Students divide their clinical practica between the acute patient setting and the perioperative arena. Content is directed at integrating knowledge obtained through core and support courses and experience as a perioperative nurse into the assessment, diagnosis, and management of common health and illness conditions of the perioperative patient. Students selecting this concentration will be required to take the R.N. First Assistant course (NURS 606) as their six elective credits. Students are eligible to take the Acute Care Nurse Practitioner Certification exam.

### **Family Nurse Practitioner**

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 are eligible for licensure as family nurse practitioners by the Commonwealth of Pennsylvania and to sit for the ANCC's FNP examination or the American Academy of Nurse Practitioners NP examination.

Also available within the Family Nurse Practitioner track is an Emergency/Fast Track concentration, designed for experienced nurses who wish to practice in the emergency-care arena. Graduates work in a variety of clinical settings, including emergency departments, fast-track areas, urgent-care centers, rural clinics, and busy primary care practices that provide minor medical and surgical procedures within the practice. Clinical placements include both primary care and emergency department practice sites. Students learn emergency-specific skills, such as suturing, abscess incision and drainage, X-ray interpretation and splinting, management of pediatric emergencies, arthrocentesis, and other procedures before beginning their clinical placements. Students are eligible to sit for the Family Nurse Practitioner certifying exams.

Students who elect to take the Emergency/Fast Track concentration follow the Family Nurse Practitioner curriculum with three revisions: Their six credits of elective courses consist of NURS 515: Management of Common Pediatric Emergencies (3 credits) and NURS 517: Basic Office Procedures for Advanced Practice Nurses (3 credits), and the third clinical course in the FNP curriculum is replaced by Diagnostic Reasoning and Clinical Decision Making for Common Emergencies.

### **Psychiatric–Mental Health Nurse Practitioner**

The aim of this program is to prepare psychiatric–mental health nurse practitioners who 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. They are eligible for licensure as psychiatric–mental health nurse practitioners by the Commonwealth of Pennsylvania and may sit for the ANCC certification examination for the psychiatric–mental health nurse practitioner.

### **Women's Care Nurse Practitioner (M.S.N. Completion)**

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.

Support and clinical courses are taken through the NPWH-accredited OB-GYN Nurse Practitioner program. Six courses (four core courses and two electives, a total of 18 credits) are required for completion of the M.S.N. and are delivered by 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.

### **M.S.N. - Nurse Practitioner tracks (48.0 credits)**

<b>Core courses</b>	<b>Credits</b>
NURS 505 Health Policy	3.0
NURS 508 Improving Systems for Health Promotion	3.0
NURS 510 Research and Theory I	3.0
NURS 610 Research and Theory II	3.0
<b>Support courses</b>	
NURS 520 Physiology for Advanced Nursing Practice	3.0
NURS 600 Advanced Clinical Assessment	6.0
NURS 605 Pharmacology for Advanced Nursing Practice	3.0
<b>Elective courses</b>	
Electives	6.0
<b>Practicum courses</b> <b>18.0</b>	
See the <a href="#">Nursing: MSN Nurse Practitioner Clinical Practicum Courses</a> web site for specific track courses	

### **M.S.N. Completion - Women's Care Practitioner (18 credits)**

<b>Core Courses</b>	
NURS 505 Health Policy	3.0
NURS 508 Improving Systems for Health Promotion	3.0
NURS 510 Research and Theory I	3.0
NURS 610 Research and Theory II	3.0
<b>Elective courses</b>	
Electives	6.0

### **Post-Master's Certificate - Nurse Practitioner tracks (30 credits)**

<b>Support Courses</b>	
NURS 520 Physiology for Advanced Nursing Practice	3.0
NURS 600 Advanced Clinical Assessment	6.0
NURS 605 Pharmacology	3.0



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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 year 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 Karen Henken, Academic Advisor to discuss career goals. She can be reached at 215-762-3999.

### Admission Requirements

In addition to the general university admission requirements, students are asked to submit the following:

- Evidence of an earned clinical master's degree in nursing from an NLN-accredited program
- A CCNE specialty preparation supportive of the practitioner program to which the applicant seeks admission.
- Graduate grade point average (GPA) of 3.5 or better on a 4.0 scale.
- Two years of post-master's professional experience.
- Evidence of completion of graduate level courses in advanced physiology advanced clinical assessment pharmacology.

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



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## M.S.N. in Clinical Trials

The M.S.N. in Clinical Trials 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 36 credits (10 courses and a practicum) 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

36.0 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	Credits
<a href="#">NURS 505S</a> Advanced Practice Health Policy Issues in Managed Care	3.0
<a href="#">NURS 508S</a> Improving Systems for Health Promotion	3.0
<a href="#">NURS 510S</a> Research and Theory I	3.0
<a href="#">NURS 610S</a> Research and Theory II	3.0
<b>Support courses</b>	
<a href="#">NURS 520S</a> Physiology for Advanced Nurse Practice	3.0
<a href="#">NURS 600S</a> Advanced Clinical Assessment	6.0
<a href="#">NURS 605S</a> Pharmacology for Advanced Nursing Practice	3.0
Elective	3.0
<b>Practicum</b>	
<a href="#">NURS 581S</a> Clinical Trials Research I	3.0
<a href="#">NURS 685S</a> Clinical Trials Research II	3.0
<a href="#">NURS 686S</a> Clinical Trials Research Practicum	3.0



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## Certificate in Clinical Trials Research

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

### Required courses

<a href="#">NURS 581S</a>	Clinical Trials Research I	3.0
<a href="#">NURS 685S</a>	Clinical Trials Research II	3.0
<a href="#">NURS 686S</a>	Clinical Trials Research Practicum	3.0

### Post-Master's Degree Certificate

The Post-Master's Degree Certificate is for individuals who hold an M.S.N. degree and would like to gain further knowledge in clinical trials research.

Applicants are reviewed and the curriculum is developed based on an individual portfolio review. Applicants must complete the master's application package for eligibility for admission.

For more information visit the College of Nursing and Health Professions' [Certificate in Clinical Trials Research](#) web page.



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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 [Nursing: MSN-Bridge Program](#) web site for more information.

### 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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## VIP-M.S.N. (Versatile Individualized Program)

*36.0 credits*

### About the Program

The VIP-M.S.N. program is designed for nurses who wish to pursue their Master of Science in Nursing degree in an area of their own personal interest. The program allows students to select and build their own M.S.N. curriculum with a focus on a specific area of interest. The student takes four required M.S.N. core courses, then selects either six additional nursing courses, or four nursing courses and two courses from any other curriculum in the college. Finally, the student selects an area of concentration and completes two independent studies in their concentration area under faculty guidance.

See the [Nursing: VIP-MSN \(Versatile Individual Program\)](#) web site for more information.

Core courses	12.0 Credits
<a href="#">NURS 505S</a> Advanced Practice Health Policy Issues in Managed Care	3.0
<a href="#">NURS 508S</a> Improving Systems for Health Promotion	3.0
<a href="#">NURS 510S</a> Research and Theory I	3.0
<a href="#">NURS 610S</a> Research and Theory II	3.0
Support courses	18.0 Credits
Independent Study	6.0 Credits
<a href="#">NURS 581S</a> Independent Study I	3.0
<a href="#">NURS 685S</a> Independent Study II	3.0



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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.)

*72.0 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 72 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

**Credits**

#### Theory

<a href="#">FMTH 729S</a>	<b>Couple and Family Therapy: A Multicultural Approach</b>	3.0
<a href="#">FMTH 713S</a>	<b>Advanced Theory and Comparative Analysis</b>	3.0

#### Clinical Practice

<a href="#">FMTH 746S</a>	<b>Domestic Violence</b>	3.0
<a href="#">FMTH 739S</a>	<b>Couples Therapy</b>	3.0
<a href="#">FMTH 714S</a>	<b>Gender and Power</b>	3.0

#### Individual Development and Family Relations

<a href="#">FMTH 736S</a>	<b>Diverse Family Structures</b>	3.0
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#### Clinical Supervision

<a href="#">FMTH 741S</a>	<b>Supervision of Couple and Family Therapy</b>	3.0
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#### Research

<a href="#">FMTH 742S</a>	<b>Developments in CFT Research</b>	3.0
<a href="#">FMTH 780S</a>	<b>Research Methods I</b>	3.0
<a href="#">FMTH 781S</a>	<b>Research Methods II</b>	3.0

<a href="#">FMTH 782S</a>	Inferential Statistics	3.0
<a href="#">FMTH 550S</a>	Advanced Applied Research/Qualitative	3.0
or		
<a href="#">FMTH 550S</a>	Advanced Applied Research/Quantitative	3.0

### Electives

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)

<a href="#">FMTH 701S</a>	Spirituality and Family Therapy	3.0
<a href="#">FMTH 730S</a>	Family Therapy in Educational Settings	3.0
<a href="#">FMTH 738S</a>	Assessment and Diagnosis	3.0
<a href="#">FMTH 744S</a>	Sexual Therapy	3.0

### Additional Requirements

Additional program requirements include 12 credits of internship and 18 dissertation credits. Students must have a minimum of 72 credits for graduation.

### Clinical Training

A clinical internship is required for all doctoral students after completion of a majority of coursework. The clinical internship must be a continuous 9-12 month experience that is comprised of 30-40 weekly hours. For more details, contact the [Programs in Couple and Family Therapy](#). Students who are already AAMFT Clinical Members must do a continuous 9-12 month (30-40 hours weekly) research or other internship that must be approved by the program.



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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.)

64.0 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.

### Program requirements

A minimum of 64 credit hours is required for the M.F.T. degree. Also, students must have at least 500 hours of direct client contact, including a minimum of 250 hours with couples and/or families. Further, students are required to have a minimum of 100 hours of supervision, 50 of which must be focused on direct observation, videotape, or audiotape (25 of the 50 hours must be focused on direct observation or videotape). Students are required to participate in individual or dyadic (not to exceed two students) supervision and group (not to exceed six students) supervision.

### Required Courses

Required Courses	Credits
<a href="#">FMTH 503S</a> Family Evaluation and Interview	3.0
<a href="#">FMTH 508S</a> Contextual Therapy I	3.0
<a href="#">FMTH 511S</a> Introduction to Family Therapy	3.0
<a href="#">FMTH 512S</a> Cutting-Edge Practice in Family Therapy	3.0
<a href="#">FMTH 500S</a> Introduction to Systems and Communication Therapy	3.0
<a href="#">FMTH 520S</a> Historical and Sociocultural Influences of Family Therapy	3.0
<a href="#">FMTH 524S</a> Child Development	3.0
<a href="#">FMTH 526S</a> Family Life Cycle	3.0
<a href="#">FMTH 528S</a> Substance Abuse and Family	3.0
<a href="#">FMTH 575S</a> Marital Therapy and Sexual Dysfunction I	3.0
<a href="#">FMTH 555S</a> Structural Family Therapy	3.0
<a href="#">FMTH 501S</a> Behavioral Couple and Family Therapy Approaches	3.0
<a href="#">FMTH 708S</a> Nosology	3.0
<a href="#">FMTH 727S</a> Object Relations Theory	3.0
<a href="#">FMTH 745S</a> Bowen Theory	3.0
<a href="#">FMTH 550S</a> Legal and Ethical Implications of Family Therapy	3.0
<a href="#">FMTH 515S</a> The Family Therapist Experience I	1.0
<a href="#">FMTH 516S</a> The Family Therapist Experience II	1.0
<a href="#">FMTH 565S</a> Research in Marriage and Family Therapy	3.0

### Clinical Practica

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. Students will complete a minimum of 500 supervised direct client contact hours (at least 250 of these hours will be with couples or families). Students will receive a minimum of 100 hours of face-to-face individual and group supervision. Students will receive at least 50 hours of supervision based on direct observation, videotape, or audiotape (at least 25 hours of this supervision will be based on direct observation or videotape).

<a href="#">FMTH 601S</a> Practicum I	2.0
<a href="#">FMTH 602S</a> Practicum II	2.0
<a href="#">FMTH 603S</a> Practicum III	2.0
<a href="#">FMTH 604S</a> Practicum IV	1.0
<a href="#">FMTH 605S</a> Practicum V	2.0
<a href="#">FMTH 606S</a> Practicum VI	2.0



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## Post-Bachelor's Certificate Program in Couple and Family Therapy

Drexel University offers a one-year post-bachelor's program leading to a certificate in couple and family therapy. The post-bachelor's certificate in couple and family therapy is designed to increase the knowledge base and clinical aptitude of bachelor-level mental health professionals who work with families.

### 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. The educational and training experience has seven major components:

- The historical development of systems theory and cybernetics and the use of the systems paradigm in treatment
- A comprehensive survey of major models of change in marriage and family therapy, with an emphasis on assessment and treatment
- Conceptual understanding of complex relational dynamics across the family life cycle with a focus on contextual issues such as race, ethnicity, culture, class, gender, sexual orientation, spirituality, religion, age, ability, power, and privilege
- Ethical, legal, and professional responsibilities of marriage and family therapists
- Quantitative and qualitative research in marriage and family therapy
- Clinical supervision
- Appropriate collaboration with other disciplines

Required Courses	Credits
<b>Theoretical Knowledge</b>	
<a href="#">FMTH 511S</a> Introduction to Family Therapy	3.0
<a href="#">FMTH 500S</a> Systems and Communication Therapy	3.0
<b>Clinical Practice</b>	
<a href="#">FMTH 520S</a> Historical and Sociocultural Influences of Family Therapy	3.0
Students select two courses from the following:	
<a href="#">FMTH 508S</a> Contextual Therapy I	3.0
<a href="#">FMTH 512S</a> Cutting-Edge Practice in Family Therapy	3.0
<a href="#">FMTH 528S</a> Substance Abuse and Family	3.0
<a href="#">FMTH 575S</a> Marital Therapy and Sexual Dysfunction I	3.0
<a href="#">FMTH 555S</a> Structural Family Therapy	3.0
<a href="#">FMTH 501S</a> Behavioral Couple and Family Therapy Approaches	3.0



<a href="#">FMTH 708S</a> <b>Nosology</b>	3.0
<a href="#">FMTH 727S</a> <b>Object Relations Theory</b>	3.0
<a href="#">FMTH 745S</a> <b>Bowen Theory</b>	3.0
<a href="#">FMTH 555S</a> <b>Structural Family Therapy</b>	3.0
<b>Individual and Family Relations</b>	
<a href="#">FMTH 526S</a> <b>Family Life Cycle</b>	3.0
<b>Professional Identity and Ethics</b>	
<a href="#">FMTH 550S</a> <b>Legal and Ethical Implications of Family Therapy</b>	3.0
<b>Research</b>	
<a href="#">FMTH 565S</a> <b>Research in Marriage and Family Therapy</b>	3.0
<b>Clinical Practica</b>	
<a href="#">FMTH 601S</a> <b>Practicum I</b>	2.0
<a href="#">FMTH 602S</a> <b>Practicum II</b>	2.0
<a href="#">FMTH 603S</a> <b>Practicum III</b>	2.0

For additional information about the certificate in Couple and Family Therapy, visit the program's [Couple and Family Therapy](#) web site.



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

Drexel University offers a one-year 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. The educational and training experience has seven major components:

- The historical development of systems theory and cybernetics and the use of the systems paradigm in treatment
- A comprehensive survey of major models of change in marriage and family therapy, with an emphasis on assessment and treatment
- Conceptual understanding of complex relational dynamics across the family life cycle with a focus on contextual issues such as race, ethnicity, culture, class, gender, sexual orientation, spirituality, religion, age, ability, power and privilege
- Ethical, legal, and professional responsibilities of marriage and family therapists
- Quantitative and qualitative research in marriage and family therapy
- Supervised clinical practica, in which students receive a minimum of 100 hours of individual and group supervision and a minimum of 500 hours of face-to-face client contact: 250 of the 500 hours must be relational (couples or families)
- 50 of the 100 hours of supervision must be focused on direct observation, videotape or audiotape (25 of the 50 hours must be focused on direct observation or videotape.)
- Students are required to participate in individual or dyadic (not to exceed two students) supervision and group (not to exceed six students) supervision.
- Appropriate collaboration with other disciplines

### Required Courses

### Credits

#### Theoretical Knowledge

<a href="#">FMTH 511S</a> Introduction to Family Therapy	3.0
<a href="#">FMTH 500S</a> Systems and Communication Therapy	3.0

**Clinical Practice**

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<a href="#">FMTH 520S</a> Historical and Sociocultural Influences of Family Therapy	3.0
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Students select two courses from the following:

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<a href="#">FMTH 508S</a> Contextual Therapy I	3.0
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<a href="#">FMTH 512S</a> Cutting-Edge Practice in Family Therapy	3.0
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<a href="#">FMTH 528S</a> Substance Abuse and Family	3.0
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<a href="#">FMTH 575S</a> Marital Therapy and Sexual Dysfunction I	3.0
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<a href="#">FMTH 555S</a> Structural Family Therapy	3.0
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<a href="#">FMTH 501S</a> Behavioral Couple and Family Therapy Approaches	3.0
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<a href="#">FMTH 708S</a> Nosology	3.0
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<a href="#">FMTH 727S</a> Object Relations Theory	3.0
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<a href="#">FMTH 745S</a> Bowen Theory	3.0
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<a href="#">FMTH 555S</a> Structural Family Therapy	3.0
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**Individual and Family Relations**

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<a href="#">FMTH 526S</a> Family Life Cycle	3.0
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**Professional Identity and Ethics**

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<a href="#">FMTH 550S</a> Legal and Ethical Implications of Family Therapy	3.0
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**Research**

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<a href="#">FMTH 565S</a> Research in Marriage and Family Therapy	3.0
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**Clinical Practica**

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<a href="#">FMTH 601S</a> Practicum I	2.0
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<a href="#">FMTH 602S</a> Practicum II	2.0
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<a href="#">FMTH 603S</a> Practicum III	2.0
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<a href="#">FMTH 604S</a> Practicum IV	1.0
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For additional information about the certificate in Couple and Family Therapy, visit the program's [Couple and Family Therapy](#) web site.



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### Prospective Students

### Apply Online

## 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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### Apply Online

## Creative Arts Therapy: Art Therapy Specialization

### 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.

### Curriculum

The courses in the Hahnemann Creative Arts in Therapy Program are in two categories—Core Courses and Modality Courses. All students in the program take the core courses. Students in art therapy, dance/movement therapy, and music therapy, take core courses together. This core curriculum provides a theoretical and clinical foundation upon which art, dance/movement, and music therapy are based.

The program is a sequential one in which the courses are presented in a particular order and are integrated with other courses that complement the learning. Art Therapy students are required to take all of the core and art therapy modality courses which integrate the theoretical concepts from the core curriculum with theory and practice of art therapy.

### Required Courses

### Credits

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#### First Year

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#### Core Courses

<a href="#">ARTS 509S</a> Normal and Abnormal Psychological Development	1.0
<a href="#">ARTS 515S</a> Clinical Diagnosis of Psychopathology I	1.0
<a href="#">ARTS 516S</a> Clinical Diagnosis of Psychopathology II	1.0
<a href="#">ARTS 522S</a> Ego and Character	1.0
<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 710S</a> Child Therapy Case Presentation	1.0
<a href="#">ARTS 711S</a> Adult Therapy Case Presentation	1.0
<a href="#">ARTS 722S</a> Introduction to Group Psychotherapy and Psychology	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 743S</a> Introduction to Behavioral Research for Creative Arts Therapists	1.0
<a href="#">ARTS 830S</a> Mental Health Science Supervision I	2.0
<a href="#">ARTS 831S</a> Mental Health Science Supervision II	1.0

***Art Therapy Modality Courses***

<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**

***Core Courses***

<a href="#">ARTS 580S</a> Introduction to Family Therapy for Creative Arts Therapists	2.0
<a href="#">ARTS 702S</a> Applied Ethics for the Creative Arts Therapies	1.0
<a href="#">ARTS 744S</a> Group Dynamics Seminar	1.0
<a href="#">ARTS 747S</a> Theories in Psychotherapy I	1.0
<a href="#">ARTS 748S</a> Theories in Psychotherapy II	1.0
<a href="#">ARTS 851S</a> Advanced Mental Health Science Supervision I	1.0
<a href="#">ARTS 852S</a> Advanced Mental Health Science Supervision II	1.0

***Art Therapy Modality Courses***

<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

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**Electives**

<a href="#">ARTS 560S</a> Introduction to Arts Medicine	1.0
<a href="#">ARTS 729S</a> Introduction to Jungian Psychology for Creative Arts Therapists*	2.0
<a href="#">ARTS 750S</a> Introduction to Ericksonian Hypnosis for Creative Arts Therapists	1.0
<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

\*This course is required for students specializing in Art Therapy.



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### Apply Online

## Creative Arts Therapy: Dance/Movement Therapy Specialization

### 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.

### Curriculum

All students in the Creative Arts in Therapy (CAT) program take the core courses. Students in all three arts therapy modalities take core courses together. This core curriculum provides a theoretical and clinical foundation upon which art dance/movement and music therapy is based. Students also take courses in their specialties.

### Required Courses

**Credits**

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#### First Year

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#### Core Courses

<a href="#">ARTS 509S</a>	Normal and Abnormal Psychological Development	1.0
<a href="#">ARTS 515S</a>	Clinical Diagnosis of Psychopathology I	1.0
<a href="#">ARTS 516S</a>	Clinical Diagnosis of Psychopathology II	1.0
<a href="#">ARTS 522S</a>	Ego and Character	1.0
<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 710S</a>	Child Therapy Case Presentation	1.0
<a href="#">ARTS 711S</a>	Adult Therapy Case Presentation	1.0
<a href="#">ARTS 722S</a>	Introduction to Group Psychotherapy and Psychology	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 743S</a>	Introduction to Behavioral Research for Creative Arts Therapists	1.0
<a href="#">ARTS 830S</a>	Mental Health Science Supervision I	2.0
<a href="#">ARTS 831S</a>	Mental Health Science Supervision II	1.0

***Dance Therapy Modality Courses***

<a href="#">ANAT 534S</a>	Neuroanatomy/Neurophysiology	2.0
<a href="#">ANAT 553S</a>	Anatomy and Kinesiology	2.0
<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 554S</a>	Dance/Movement Therapy Literature Seminar	1.0
<a href="#">ARTS 600S</a>	Dance/Movement Therapy Thesis Research I	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 833S</a>	Dance/Movement Group Supervision I	1.0
<a href="#">ARTS 834S</a>	Dance/Movement Group Supervision II	1.0

**Second Year**

***Core Courses***

<a href="#">ARTS 580S</a>	Introduction to Family Therapy for Creative Arts Therapists	2.0
<a href="#">ARTS 702S</a>	Applied Ethics for the Creative Arts Therapies	1.0
<a href="#">ARTS 744S</a>	Group Dynamics Seminar	1.0
<a href="#">ARTS 747S</a>	Theories in Psychotherapy I	1.0
<a href="#">ARTS 748S</a>	Theories in Psychotherapy II	1.0
<a href="#">ARTS 851S</a>	Advanced Mental Health Science Supervision I	1.0
<a href="#">ARTS 852S</a>	Advanced Mental Health Science Supervision II	1.0

***Dance/Music Therapy Modality Courses***

<a href="#">ARTS 593S</a>	Family Dance/Movement Therapy	1.0
<a href="#">ARTS 601S</a>	Dance/Movement Therapy Thesis Research II	2.0
<a href="#">ARTS 602S</a>	Dance/Movement Therapy Thesis Research II	2.0
<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 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

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**Electives:**

<a href="#">ARTS 560S</a>	Introduction to Arts Medicine	1.0
<a href="#">ARTS 729S</a>	Introduction to Jungian Psychology for Creative Arts Therapists*	2.0
<a href="#">ARTS 740S</a>	Therapeutic Applications of Dance in Education	1.0
<a href="#">ARTS 750S</a>	Introduction to Ericksonian Hypnosis for Creative Arts Therapists	2.0
<a href="#">ARTS 801S</a>	The Kestenberg Movement Profile	2.0
<a href="#">ARTS 631S</a>	Medical Dance/Movement Therapy	1.0



# Drexel University

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### Prospective Students

### Apply Online

## Creative Arts Therapy: 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.

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

### Curriculum

The curriculum includes core and music therapy courses. The core curriculum focuses on human development, psychopathology, neuroanatomy, group dynamics, models of therapy, creative arts therapy theory, research, and clinical articulation skills. Literature resources from psychodynamic, humanistic, and medical perspectives are integrated with theories of development, creativity, and the response to the arts experience. In this way, music therapists develop a shared vocabulary with other health care practitioners while maintaining their unique clinical identity.

Music therapy courses use experiential and didactic methods to develop skills and flexibility in clinical approaches with children and adults. Clinical training takes place in a wide variety of settings, including local hospitals. Clinical fieldwork, internships, and supervision allow students to merge personal experience with theory. Electives include course work in Jungian psychotherapy, arts-medicine, clinical hypnosis, and neuroanatomy/neurophysiology. Electives, like the required courses, are designed for the creative arts therapist. Students may take first- year courses in Art and Dance/ Movement Therapy as electives, where scheduling permits.

### Required Courses

### Credits

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### First Year

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### Core Courses

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<a href="#">ARTS 509S</a>	Normal and Abnormal Psychological Development	1.0
<a href="#">ARTS 515S</a>	Clinical Diagnosis of Psychopathology I	1.0
<a href="#">ARTS 516S</a>	Clinical Diagnosis of Psychopathology II	1.0
<a href="#">ARTS 522S</a>	Ego and Character	1.0
<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 710S</a>	Child Therapy Case Presentation	1.0
<a href="#">ARTS 711S</a>	Adult Therapy Case Presentation	1.0
<a href="#">ARTS 722S</a>	Introduction to Group Psychotherapy and Psychology	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 743S</a>	Introduction to Behavioral Research for Creative Arts Therapists	1.0
<a href="#">ARTS 830S</a>	Mental Health Science Supervision I	2.0
<a href="#">ARTS 831S</a>	Mental Health Science Supervision II	1.0

### ***Music Therapy Modality Courses***

<a href="#">ANAT 553S</a>	Anatomy and Kinesiology	2.0
<a href="#">ARTS 510S</a>	Clinical Guitar Methods	1.0
<a href="#">ARTS 511S</a>	Clinical Piano Methods	
<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 600S</a>	Music Therapy Thesis Research I	1.0
<a href="#">ARTS 766S</a>	Clinical Practicum I	2.0-4.0
<a href="#">ARTS 768S</a>	Clinical Practicum II	2.0-4.0
<a href="#">ARTS 833S</a>	Music Therapy Group Supervision I	1.0
<a href="#">ARTS 834S</a>	Music Therapy Group Supervision II	1.0

### **Second Year**

#### ***Core Courses***

<a href="#">ARTS 580S</a>	Introduction to Family Therapy for Creative Arts Therapists	2.0
<a href="#">ARTS 702S</a>	Applied Ethics for the Creative Arts Therapies	1.0
<a href="#">ARTS 744S</a>	Group Dynamics Seminar	1.0
<a href="#">ARTS 747S</a>	Theories in Psychotherapy I	1.0
<a href="#">ARTS 748S</a>	Theories in Psychotherapy II	1.0
<a href="#">ARTS 851S</a>	Advanced Mental Health Science Supervision I	1.0
<a href="#">ARTS 852S</a>	Advanced Mental Health Science Supervision II	1.0

**Music Therapy Modality Courses**

<a href="#">ARTS 601S</a>	Music Therapy Thesis Research II	1.0
<a href="#">ARTS 602S</a>	Music Therapy Thesis Research III	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 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

**Electives**

<a href="#">ANAT 534S</a>	Neuroanatomy/Neurophysiology	2.0
<a href="#">ARTS 560S</a>	Introduction to Arts Medicine	1.0
<a href="#">ARTS 729S</a>	Introduction to Jungian Psychology for Creative Arts Therapists*	2.0
<a href="#">ARTS 750S</a>	Introduction to Ericksonian Hypnosis for Creative Arts Therapists	2.0



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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

<b>Required Courses</b>		<b>Credits</b>
<b>First Year</b>		
<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
<b>Second Year</b>		
<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: 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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## 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

Credits

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

<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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## Emergency and Public Safety Services

The Master of Science in Emergency and Public Safety Services is designed to expand the skills and knowledge of individuals interested in the broad arena of public safety services. This includes those involved in prehospital services from clinical care and disaster management to those in ambulatory services. Fire, police, rescue, telecommunication, and EMS personnel are all included in the scope of public safety services. There are many overlapping issues between the services, which allows for a coherent expansion of curricula to meet the educational needs of all participants.

### Objectives

The goals and objectives of the Emergency and Public Safety Services program are to:

- Demonstrate a broader knowledge base and new applications of clinically relevant information that will extend the student's professional competence
- Facilitate the knowledge and skills necessary to conduct independent research
- Promote leadership and management in the public-services arena
- Provide options for an employment progression for prehospital providers in their field of interest
- Continue the growth of professionalism in public safety services by providing opportunities for students to take an active role in shaping policies and practices that affect the direction of the profession
- Positively affect the communities in which they serve and extend the University's reach into the community
- Develop a flexible curriculum that allows for specialization into one of three primary educational areas pertinent to emergency management

For more information, visit the College's [Emergency and Public Safety Services](#) web page.



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## M.S. in Emergency and Public Safety Services

### Core Curriculum

The core curriculum consists of seven foundation courses, which students in all tracks take.

Requirements	Credits
<a href="#">EDU 510S</a> Research in Education	3.0
<a href="#">EMS 504S</a> Organizational Behavior	3.0
<a href="#">EMS 505S</a> Proseminar	3.0
<a href="#">EMS 508S</a> Finance	3.0
<a href="#">EMS 510S</a> Planning and Administrative Theory	3.0
<a href="#">EMS 610S</a> Epidemiology	3.0
<a href="#">EMS 631S</a> Disaster Analysis and Management	3.0

### Concentrations

#### Education

Requirements	Credits
<a href="#">EDU 520S</a> Principles of Education: The Adult Learner	3.0
<a href="#">EDU 521S</a> Principles of Education: Adult Learner Laboratory	1.0
<a href="#">EDU 522S</a> Principles of Education: Instructional Design	3.0
<a href="#">EDU 523S</a> Instructional Design Laboratory	1.0
<a href="#">EDU 528S</a> Computer Multimedia Authoring	3.0
or	
Education elective	
<a href="#">EMS 710/711S</a> Thesis Project	6.0-9.0
Elective	3.0

#### Emergency Management

In addition to the Thesis, students select five of the following courses:	Credits
<a href="#">EMS 509S</a> Trauma Systems and Specialty Care	3.0
<a href="#">EMS 617S</a> Emergency Delivery Systems	3.0
<a href="#">EMS 618S</a> Local, State, and Federal Compliance	3.0
<a href="#">EMS 622S</a> Managed Care Principles	3.0
<a href="#">EMS 630S</a> Homeland Security	3.0
<a href="#">EMS 645S</a> Disaster Preparedness	3.0
<a href="#">MGMT 510S</a> Health Care Information Systems and Informatics	3.0

<b>Elective</b>	3.0
<b>Required course:</b>	
<a href="#">EMS 710/711S</a> Thesis Project	6.0-9.0

***Ambulatory/ED Management***

<b>Requirements</b>	<b>Credits</b>
<a href="#">EMS 506S</a> Clinical Management I	3.0
<a href="#">EMS 507S</a> Clinical Management II	3.0
<a href="#">EMS 509S</a> Trauma Systems and Specialty Care	3.0
<a href="#">EMS 622S</a> Managed Care Principles	3.0
<a href="#">EMS 710S/711S</a> Thesis Project	6.0-9.0
Ambulatory Health Care Delivery Systems*	3.0
or	
Approved elective	

\*Contact department for course number.



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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 underserved 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



<a href="#">RSCH 500S</a>	Research Design and Methods	3.0
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
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<b>Clinical Rotation 6</b>	5.0
<b>Total credits</b>	11.0

**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>	18.0

**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

The Advanced Physician Assistant Studies program provides foundational graduate education courses as a basis for subsequent 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

### 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> <b>Research Design and Methods</b>	3.0
<a href="#">PA 524S</a> <b>Research Outcomes Assessment</b>	3.0
<a href="#">PA 523S</a> <b>Epidemiology and Health Promotion</b>	3.0
<a href="#">PA 520S</a> <b>Health Policy</b>	3.0
<a href="#">PA 540S</a> <b>Leadership and Stewardship</b>	3.0

#### Study Concentration Courses

	Credits
<b>Cognates*</b>	6.0
<a href="#">PA 620S</a> <b>Graduate Project I</b>	3.0 - 6.0
<a href="#">PA 625S</a> <b>Graduate Project II</b>	3.0-6.0

\* 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

	Credits
<b>Cognates*</b>	6.0
<a href="#">PA 626S</a> <b>Portfolio Preparation</b>	1.0
<a href="#">PA 627S</a> <b>Portfolio Review</b>	3.0-12.0

\* 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.

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## Entry-Level Doctor of Physical Therapy (D.P.T.)

The Entry-Level 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 three-year curriculum spans eight academic semesters 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 second- and third-year courses 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 D.P.T. curriculum is directed toward producing generalists, and at the same time allows students to select electives and either a neuromuscular, musculoskeletal, or pediatric clinical concentration. 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.



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

119.0 semester credits

### Curriculum

The D.P.T. curriculum occurs in a 16-week semester format over eight semesters: fall, spring, and summer I; fall, spring, and summer II; and fall and spring III. It is comprised of 11 academic and clinical sessions occurring over 33 months. Each session is either 16, 12, or eight weeks (designated A and B) to accommodate the integration of the didactic and clinical education components. Classes begin in late August for first-year students. The curriculum is subject to modification.

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

#### First year

Fall: (16 weeks)		Credits
<a href="#">PT 509S</a>	Human Gross Anatomy	5.0
<a href="#">PT 540S</a>	Functional Mobility	2.0
<a href="#">PT 512S</a>	Kinesiology	5.0
<a href="#">PT 515S</a>	Musculoskeletal Examination and Intervention	5.0
Spring: (16 weeks)		
<a href="#">NEUR 507S</a>	Neuroscience for the Physical Therapist I	4.0
<a href="#">PT 505S</a>	Physical Agents	4.0
<a href="#">PT 520S</a>	Selected Topics in Pathophysiology	3.0
<a href="#">PT 555S</a>	Orthopedic Physical Therapy I	4.0
<a href="#">PT 576S</a>	Cardiopulmonary Physical Therapy I	2.0
<a href="#">PT 690S</a>	Clinical Correlations I	2.0
Summer: Part A (8 weeks)		
<a href="#">PT 770S</a>	Clinical Education I	4.0
Summer: Part B (8 weeks)		
<a href="#">RHAB 538S</a>	Motor Control and Motor Learning	3.0
<a href="#">PT 556S</a>	Orthopedic Physical Therapy II	3.0
<a href="#">PT 560S</a>	Prosthetics and Orthotics	2.0

<a href="#">PT 562S</a>	Neurological Examination and Intervention I	3.0
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*Second year*

**Fall: Part A (8 weeks)**

<a href="#">PT 670S</a>	Research I: Introduction to Research and Clinical Measurement	2.0
<a href="#">PT 563S</a>	Neurological Examination and Intervention II	4.0
<a href="#">PT 577S</a>	Cardiopulmonary Physical Therapy II	4.0
<a href="#">PT 691S</a>	Clinical Correlations II	2.0

**Fall: Part B (8 weeks)**

<a href="#">PT 771S</a>	Clinical Education II	4.0
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**Spring**

<a href="#">RHAB 671S</a>	Research II: Statistics	2.0
<a href="#">RHAB 672S</a>	Research III: Research Design	2.0
<a href="#">PT 565S</a>	Pediatric Physical Therapy	4.0
<a href="#">PT 524S</a>	Pharmacology	2.0
<a href="#">PT 714S</a>	Professional Issues and Ethics	3.0
<a href="#">PT 716S</a>	Topics in Organization and Administration in Rehabilitation	3.0
<a href="#">PT 640S</a>	Orthopedic Physical Therapy III	2.0

**Summer: (12 weeks)**

<a href="#">RHAB 680S</a>	Evidence-Based Practice	2.0
<a href="#">PT 635S</a>	Biomechanics	3.0
<a href="#">RHAB 652S</a>	Musculoskeletal Tissue Pathology	3.0
<a href="#">PT 665S</a>	Applications of Motor Control and Learning	2.0
<a href="#">PT 692S</a>	Clinical Correlations III	2.0

*Third year*

**Fall: Part A (8 weeks)**

<a href="#">PT 772S</a>	Clinical Education III	4.0
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**Fall: Part B (8 weeks)**

<a href="#">RHAB 719S</a>	Health Policy	2.0
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<a href="#">RHAB 757S</a>	Concepts in Clinical Teaching	2.0
<b>Students select two courses from the following:</b>		
<b>Musculoskeletal Concentration</b>		
<a href="#">PT 645S</a>	Clinical Topics in Hand Rehabilitation	2.0
<a href="#">RHAB 644S</a>	Clinical Topics in Extremity Rehabilitation	2.0
<a href="#">RHAB 645S</a>	Clinical Topics in Spinal Rehabilitation	2.0
<a href="#">RHAB 728S</a>	Analysis of Joint Structure	2.0
<b>Adult Neuromuscular Concentration</b>		
<a href="#">PT 637S</a>	Clinical Topics in Neuromuscular Rehabilitation for Adults	2.0
<a href="#">PT 638S</a>	Clinical Topics in Geriatric Rehabilitation	2.0
<b>Pediatrics Concentration</b>		
<a href="#">PT 627S</a>	Clinical Decision Making in Pediatric Rehabilitation I	2.0
<a href="#">PT 628S</a>	Clinical Decision Making in Pediatric Rehabilitation II	2.0
<b>Electives</b>		
<a href="#">PT 766S</a>	Research Practicum	2.0
<a href="#">PT 732S</a>	Complementary Therapies in Rehabilitation	2.0
<a href="#">PT 722S</a>	Aquatic Physical Therapy	2.0
<a href="#">PT 724S</a>	Womens Health Issues in Physical Therapy	2.0
<b>Spring: (16 weeks)</b>		
<a href="#">PT 785S</a>	Final Project	2.0
<a href="#">PT 786S</a>	Clinical Internship	8.0





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



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## Post-Professional Clinical Doctorate in Physical Therapy

### Curriculum

Students are required to take eight courses, including two courses in a concentration area. In addition, students are required to complete a professional portfolio.

Students must take two courses per year, for a maximum completion time of four years. Applicants may be able to waive up to two courses if they submit substantial documentation to indicate that they have achieved the course objectives through another avenue.

Required courses	Credits
<a href="#">RHAB 604S</a> Induction, Inquiry, and Integration	3.0
<a href="#">RHAB 680S</a> Evidence-Based Practice	3.0
<a href="#">PT 524S</a> Pharmacology	3.0
<a href="#">RHAB 538S</a> Motor Control and Motor Learning	3.0
<a href="#">RHAB 652S</a> Musculoskeletal Tissues and Pathology	3.0
<a href="#">RHAB 757S</a> Concepts in Clinical Teaching	3.0
or	
<a href="#">PT 716S</a> Topics in Organization and Administration in Rehabilitation	3.0

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="#">RHAB 644S</a> Clinical Topics in Extremity Rehabilitation	3.0
<a href="#">RHAB 645S</a> Clinical Topics in Spinal Rehabilitation	3.0

### Neuromuscular

<a href="#">PT 605S</a> Clinical Decision Making in Neurological Rehabilitation I	3.0
<a href="#">PT 606S</a> Clinical Decision Making in Neurological Rehabilitation II	3.0

### Pediatrics

<a href="#">PT 627S</a> Clinical Decision Making in Pediatric Rehabilitation I	3.0
<a href="#">PT 628S</a> Clinical Decision Making in Pediatric Rehabilitation II	3.0

### Hand and Upper Quarter Rehabilitation

<a href="#">RHAB 610S</a> Foundation in Hand and Upper Quarter Rehabilitation	3.0
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<a href="#">RHAB 612S</a> Pathomechanics of the Articulations of the Upper Quarter	3.0
<a href="#">RHAB 613S</a> Diseases and Other Disorders that Affect the Hand	3.0
<a href="#">RHAB 614S</a> Peripheral Nerve Injuries of the Upper Quarter	3.0

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#### **Accreditation of Professional Experience**

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Bachelor's prepared therapists are also required to complete [RHAB 609S](#). This course provides an opportunity for bachelors prepared students to gain credit for their professional experiential learning. Through the compilation of a professional portfolio, under the guidance of the course director, students collect and reflect on evidence that demonstrates their ability to perform higher level academic functions in a clinical context.

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<a href="#">RHAB 609S</a> Accreditation of Professional Experience	6.0
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## Master of Health Science (M.H.S.) Degree in Hand and Upper Quarter Rehabilitation

*38.0 credits*

The M.H.S. is a professional degree in hand and upper quarter rehabilitation designed for occupational therapists seeking leadership roles in clinical practice as well as in the broader health care community. The focus of the M.H.S. degree is on evidence-based practice, and on the use of the best available knowledge to guide clinical decision making within the context of the individual client (Sackett). Graduates are expected to be critical consumers of new research, leaders in implementation and evaluation of clinical services, and competent clinical educators.

Requirements for the degree include successful completion of 38 credit hours and a comprehensive examination. A case study or clinical project is also required.

Upon completion of the M.H.S. program, graduates will be prepared to:

- Analyze the impact of injury or disease process on function of the hand or other regions of the upper quarter.
- 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.
- Document outcomes of intervention at the individual and program levels.
- Effectively serve as consultants and clinical educators.

### Curriculum

Clinical and Basic Science Core		Credits
<a href="#">RHAB 538S</a>	Motor Control and Learning	3.0
<a href="#">RHAB 610S</a>	Foundation in Hand and Upper Quarter Rehabilitation	3.0
<a href="#">RHAB 612S</a>	Pathomechanics of the Articulations of the Upper Quarter	3.0
<a href="#">RHAB 613S</a>	Diseases and Other Disorders that Affect the Hand	3.0
<a href="#">RHAB 614S</a>	Peripheral Nerve Injuries of the Upper Quarter	3.0
<a href="#">RHAB 652S</a>	Musculoskeletal Tissues and Pathology	3.0
<a href="#">RHAB 604S</a>	Induction, Inquiry, and Integration	3.0
<a href="#">RHAB 680S</a>	Evidence-Based Practice	3.0
<a href="#">RHAB 744S</a>	Selected Topics in Work Injury Management	3.0

**Research Core**

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<a href="#">IDPT 501S</a>	Graduate Biostatistics I	2.0
or		
<a href="#">RHAB 671S</a>	Research II: Statistics	2.0
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<a href="#">RHAB 780S</a>	Independent Study: Case Study or Clinical Project	3.0-6.0

**Teaching Core**

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<a href="#">RHAB 695S</a>	Teaching Methodologies	2.0
or		
<a href="#">RHAB 757S</a>	Concepts in Clinical Teaching	3.0

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**Electives**

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<a href="#">PT 524S</a>	Pharmacology	3.0
<a href="#">PT 766S</a>	Research Practicum	2.0
<a href="#">RHAB 721S</a>	Teaching Practicum	3.0
<a href="#">RHAB 780S</a>	Independent Study	3.0

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

### Program Objectives

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

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

### Concentrations

#### *Pediatrics*

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

#### *Movement Science*

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

#### *Orthopedics*

The focus of the orthopedic concentration is on understanding the anatomy, physiology, and biomechanics of the musculoskeletal system as it relates to human movement and physical therapy 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 [Rehabilitation Sciences and Physical Therapy Overview](#) page on the College of Nursing and Health Professions web site.

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

### 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 60 credits; students with baccalaureate degrees must complete 96 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.

Clinical and Basic Science Core		Credits
<a href="#">RHAB 538S</a>	Motor Control and Learning	3.0
<a href="#">RHAB 680S</a>	Evidence- Based Practice	3.0

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

### Research Core\*

XXX	Advanced Statistics in Psychology I	3.0
XXX	Advanced Statistics in Psychology II	3.0
<a href="#">RHAB 810S</a>	Research Seminar: Scientific Inquiry and Writing	2.0
<a href="#">RHAB 810S</a>	Research Seminar: Interpretation of Quantitative Research	2.0
<a href="#">RHAB 820S</a>	Research Practicum	10.0
<a href="#">RHAB 830S</a>	Dissertation Research	12.0

\* A prerequisite is competence in the content included in the D.P.T. research sequence. The objectives of the D.P.T. course syllabi will be used to decide whether a student needs to take the D.P.T. research courses or equivalent.



**Teaching Core\***

<a href="#">RHAB 695S</a>	Teaching Methodologies	2.0
<a href="#">RHAB 778S</a>	Culture of Higher Education	2.0
<a href="#">RHAB 721S</a>	Teaching Practicum*	10.0

\* The number of credits required is adjusted based on career goals and previous University teaching experience.

**Pediatrics**

<a href="#">RHAB 719S</a>	Health Policy	2.0
<a href="#">RHAB 790S</a>	Clinical Practicum I: Service Learning	2.0
<a href="#">RHAB 712S</a>	Seminar in Community-Based Practice in Early Intervention and School Environments	2.0
<a href="#">PT 627S</a>	Clinical Decision Making in Pediatric Rehabilitation I	2.0
<a href="#">PT 628S</a>	Clinical Decision Making in Pediatric Rehabilitation II	2.0
<a href="#">PSY 502S</a>	Developmental Psychology	3.0

**Movement Science**

<a href="#">RHAB 538S</a>	Motor Control and Learning	3.0
<a href="#">RHAB 665S</a>	Issues in Motor Development, Learning, and Control of Patients with Movement Dysfunction	3.0
<a href="#">PT 638S</a>	Clinical Topics in Geriatric Rehabilitation	2.0
<a href="#">PT 637S</a>	Clinical Topics in Neuromuscular Rehabilitation for Adults	2.0
<a href="#">RHAB 635S</a>	Biomechanics I	3.0
<a href="#">RHAB 636S</a>	Biomechanics II	3.0
<a href="#">RHAB 713S</a>	Advanced Topics in Movement Science	3.0

**Orthopedics**

<a href="#">RHAB 652S</a>	Musculoskeletal Tissues and Pathology	3.0
<a href="#">RHAB 635S</a>	Biomechanics I	3.0
<a href="#">RHAB 636S</a>	Biomechanics II	3.0
<a href="#">PT 643S</a>	Anatomy and Clinical Management I: Shoulder and Cervical Spine	2.0
<a href="#">PT 647S</a>	Anatomy and Clinical Management II: Pelvis and Lumber Spine	2.0
<a href="#">PT 644S</a>	Anatomy and Clinical Management III: Hip and Knee	2.0
<a href="#">PT 642S</a>	Anatomy and Clinical Management IV: Foot and Ankle	2.0
<a href="#">RHAB 610S</a>	Foundations in Upper Quarter and Hand Rehabilitation	3.0
<a href="#">RHAB 612S</a>	Pathomechanisms of the Articulations of the Upper Quarter	3.0
<a href="#">RHAB 613S</a>	Diseases and Disorders that Affect the Hand	3.0
<a href="#">RHAB 614S</a>	Nerve Injuries and Entrapment of the Upper Limb	3.0
<a href="#">RHAB 644S</a>	Clinical Topics in Extremity Rehabilitation	2.0
<a href="#">RHAB 645S</a>	Clinical Topics in Spinal Rehabilitation	2.0
<a href="#">RHAB 728S</a>	Analysis of Joint Structures	2.0



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## Certificate Program in Hand/Upper Quarter Rehabilitation

### Curriculum

There are four three-credit graduate-level courses, offered in a convenient weekend format. The courses will consist of the basic science underlying examination and clinical intervention of the hand and upper quarter as well as treatment strategies used in rehabilitation. This program is a recognized resource to assist with preparation for the Certification in Hand Therapy (CHT) examination administered by the Hand Therapy Certification Commission (HTCC).

After successfully completing the four courses, students will receive a post-professional certificate of completion. The credits may be applied to other degrees offered within the Programs in Rehabilitation Sciences, including a master of health science (M.H.S.) in hand and upper quarter rehabilitation for occupational therapists and a post-professional/transitional D.P.T. for physical therapists.

### Required Courses

Required Courses	Credits
<a href="#">RHAB 610S</a> Foundation in Hand and Upper Quarter Rehabilitation	3.0
<a href="#">RHAB 612S</a> Pathomechanics of the Articulations of the Upper Quarter	3.0
<a href="#">RHAB 613S</a> Diseases and Other Disorders that Affect the Hand	3.0
<a href="#">RHAB 614S</a> Peripheral Nerve Injuries of the Upper Quarter	3.0

For more information visit the College of Nursing and Health Professions' [Certificate Program in Hand/Upper Quarter Rehabilitation](#) web page.