

## Doctor of Medical Science

# Medical Science (DMSc)

The Doctor of Medical Science (D.M.Sc.) is designed for PAs seeking to advance their careers through leadership, scholarly inquiry, and evidence-based practice. This fully online, asynchronous program provides an interdisciplinary approach to healthcare, equipping students with the knowledge and skills necessary to drive change in clinical practice, education, and healthcare systems.

With a strong emphasis on leadership and quality improvement, the D.M.Sc. program prepares graduates to analyze complex healthcare challenges, implement innovative solutions, and contribute to scholarly research. The curriculum includes advanced topics in health policy, grant writing, and quality improvement initiatives, ensuring that graduates are well-prepared to enhance patient care and improve healthcare delivery.

The program is structured to accommodate working professionals, allowing students to balance their education with professional practice.

As one of the most cost-effective doctoral programs for PAs, we offer a high-quality education at a competitive price. Graduates of the program emerge as leaders, educators, and advocates, capable of influencing healthcare at institutional, community, and national levels. Whether aiming for academic roles, executive leadership positions, or clinical excellence, our graduates are equipped to make a meaningful impact in modern healthcare.

## Admission

- A master's degree awarded by a regionally accredited institution in healthcare, education, management, or related disciplines.
- Graduation from an ARC-PA certified PA Program.
- Certification from the NCCPA. Submit this form through the GradCAS
- State Licensure as a Physician as a Physician Assistant
- Applicant must report all institutions attended and send all official transcripts to GradCAS. If you do not list or send official transcripts for all institutions attended, processing of your application may be delayed.
- 2 letters of Reference submitted directly to GradCAS. Submit this form through the GradCAS Evaluator Portal.
- A personal statement, submitted with GradCAS application.
- Following the online instructions, applicants must contact every college or university attended and request transcripts be sent directly to GradCAS.
  - GradCAS accepts electronic transcripts from:
    - Credential Solutions (<http://www.transcriptsplus.net/order/>)
    - Parchment (<https://www.parchment.com/order/my-credentials/>)
    - National Student Clearinghouse (<https://www.studentclearinghouse.org/>)
- Sending transcripts to GradCAS by mail
  - Download a transcript request form after you enter each institution in GradCAS
  - Send the transcript request form to the institution registrar to send transcript by mail to the address below:

**GradCAS Transcript Processing Center**  
**P.O. Box 9217**  
**Watertown, MA 02471**

## Applicant Help Center

- Having trouble accessing the application? The preferred browsers are Google Chrome or Firefox
- Applicant Help Center ([https://help.liaisonedu.com/GradCAS\\_Applicant\\_Help\\_Center/](https://help.liaisonedu.com/GradCAS_Applicant_Help_Center/))
- If you have questions about your application status, please contact your GradCAS Customer Service Representative at 857.304.2086 or [GradCASinfo@liaisonedu.com](mailto:GradCASinfo@liaisonedu.com).

## Technical Standards

The essential abilities and skills that candidates and students must possess in order to complete the education and training associated with the Doctor of Medical Sciences program are referred to as technical standards.

### Observational Skills

Demonstrate sufficient attention and accuracy in observation skills (visual, auditory, and tactile) in the lecture hall, in clinical and education settings and online. Indicators include but are not limited to: accurate visualization and discrimination of text, numbers, patterns, graphic illustrations and other imaging texts.

### Communication Skills

Demonstrate effective communication skills with professionals and with people of varying cultures, ethnicities and personalities.

Indicators include, but are not limited to, these examples:

- Clear, efficient and intelligible articulation of spoken English language.
- Legible, efficient and intelligible written English language.
- Accurate and efficient English language reading skills.
- Accurate and efficient, expressive and receptive communication skills.
- Ability to accurately follow directions (oral and written).

### Critical Reasoning Skills

Demonstrate critical reasoning skills including, but not limited to intellectual, conceptual, integrative and quantitative abilities.

Indicators include, but are not limited to these examples:

- Demonstrate ability to measure, calculate, reason, analyze, integrate and synthesize information.
- Demonstrate ability to acquire, retain and apply new and learned information.

### Motor and Sensory Function

Demonstrate sufficient motor and sensory function.

Indicators include, but are not limited to, these examples:

- Execute motor movements that demonstrate safety and efficiency in the various learning settings (i.e., classroom, online).
- Physical stamina sufficient to complete online didactic study, which will include prolonged periods of sitting.

### Behavioral and Social Attributes Technical Standard

Demonstrate the behavioral and social attributes vital to participation in a graduate-level academic program.

Indicators include, but are not limited to, these examples:

- Possess the emotional health required for full utilization of mental faculties (judgment, orientation, affect and cognition).
- Ability to develop mature and effective professional relationships with faculty and other members of the educational and healthcare team.
- Possess personal qualities that facilitate effective therapeutic interactions (compassion, empathy, integrity, honesty, benevolence, confidentiality).
- Demonstrate impartial motives, attitudes, and values in roles, functions and relationships.
- Ability to monitor and react appropriately to one's own emotional needs and responses.
- Display appropriate flexibility and adaptability in the face of stress or uncertainty in teaching and learning environments.
- Compliance with standards, policies and practices set forth in the program handbook.

# Curriculum Requirements

## Clinical Leadership and Administration Track

### Course Sequence - One Year Program

<i>Term 1 - Fall</i>		<i>10</i>
DMSC 704	Quality Improvement in Healthcare	
DHSC 800	Essentials of Financial Management	
DMSC 802	Capstone I	
<i>Term 2 - Spring</i>		<i>10</i>
DMSC 705	Advanced Clinical Practicum I	
DHSC 804	Leadership and Professionalism	
DMSC 805	Capstone II	
<i>Term 3 - Summer</i>		<i>10</i>
DMSC 801	Advanced Clinical Practicum II	
DMSC 806	Capstone III	
DMSC 808	Healthcare Policy for PAs	
<b>Total Credit Hours</b>		<b>30</b>

## Educational Leadership and Administration Track

### Course Sequence - One Year Program

<i>Term 1 - Fall</i>		<i>10</i>
MHPE 715	Educational Scholarship Method	
DHSC 800	Essentials of Financial Management	
DMSC 802	Capstone I	
<i>Term 2 - Spring</i>		<i>10</i>
DHSC 804	Leadership and Professionalism	
DHSC 805	Population Health & Preventive Care	
DMSC 809	Teaching & Learning in PA Education	
<i>Term 3 - Summer</i>		<i>10</i>
DMSC 806	Capstone III	
DMSC 807	Learning Assessment and Evaluation	
DMSC 808	Healthcare Policy for PAs	
<b>Total Credit Hours</b>		<b>30</b>