



**MASTER OF SCIENCE IN  
HEALTH SCIENCES EDUCATION  
CERTIFICATE IN  
HEALTH SCIENCES EDUCATION**



Boston University School of Medicine  
Graduate Medical Sciences

## MASTER OF SCIENCE or CERTIFICATE IN HEALTH SCIENCES EDUCATION

### Program Overview

The Certificate and Masters programs in Health Sciences Education prepare accomplished medical and health sciences professionals to advance educational practices in their respective fields. The programs emphasize a hands-on approach to curriculum development, learning evaluation and assessment, and effective classroom and clinical teaching skills, with the goal of developing master educators capable of improving educational, operational, and patient care outcomes.

### Program Highlights

- High levels of advising and mentoring
- Programs can be completed part-time or full-time over one or two years with courses offered at times convenient for working students and in a hybrid online format
- Students pursuing a Masters degree can tailor learning to their professional goals
- Elective courses offered through the School of Medicine, School of Education, School of Public Health, School of Dental Medicine and the Graduate Medical Sciences
- Practicum experience can be focused on classroom teaching, clinical teaching, curriculum development, instructional design, program evaluation and learning assessment, or educational research

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We developed the program in collaboration with the School of Education (SED) to share our goals to improve patient care by developing health sciences educators who can advance teaching methodologies, help reform curricula, and improve learning assessments to increase the skills, knowledge, and qualifications of the next generation of health care providers.

- Jeff Markuns, MD, EdM,  
Program Director

### Learning Outcomes

- Design and implement innovative curricula and educational programs for learners within the health sciences
- Demonstrate skills in a variety of classroom-based and clinical teaching methods and apply these to actively engage and support learners in a range of health sciences settings
- Prepare, deliver, and analyze evaluations of health sciences students and educational programs
- Provide mentorship and leadership for both educational programs and initiatives within the health sciences
- Evaluate, synthesize, and apply educational research in various health sciences educational settings
- Model and facilitate life-long learning



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## CURRICULUM

Students pursuing the Certificate complete required courses one through five below and choose between courses six and seven to earn 16 credits. Students pursuing the Masters complete all required courses to earn 24 credits and then choose from a wide variety of elective courses to complete the 32-credit graduate degree.

### Required Courses

1. Analysis and Design of Curriculum (SED)	4 credits
2. Basic Principles for Curriculum Design and Teaching (SED)	4 credits
3. Principles of Health Sciences Education I	2 credits
4. Principles of Health Sciences Education II	2 credits
5. Fundamentals of Learning and Teaching Modalities In Health Sciences Education	2 credits
6. Intro to Research Methods in Health Sciences Education	2 credits
7. Evaluation and Assessment for Health Sciences Educators	2 credits
8. Practicum Seminar	2 credits
9. Practicum	4 credits
	8 credits

### Elective Courses

Students can choose from dozens of course options offered through the School of Medicine, School of Dental Medicine, School of Public Health, and the School of Education.

## ADMISSION REQUIREMENTS

All applicants must already have completed a degree in a health sciences discipline.

### Individuals who have earned a terminal degree (MD, PhD, DO, etc.):

You may apply to either the Certificate or Masters program, even if you have no previous work experience.

### Individuals who have earned a Masters degree in a health sciences discipline:

You must have one year of work experience in your health sciences discipline to be eligible for application to the Masters program; work experience is not a prerequisite to apply to the Certificate program.

### Individuals who have earned a Bachelors degree in a health sciences discipline:

You must have a minimum of three years work experience in your health sciences discipline to be eligible to apply to the Masters program and two years of work experience to be eligible to apply to the Certificate program.



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### ADMISSION REQUIREMENTS (CONT.)

#### Additional requirements for all applicants:

- Three letters of recommendation
- Personal statement indicating future goals in health education
- Resume or CV highlighting past professional, educational, and/or research experience
- Transcripts

#### Additional requirements for applicants who have earned a Bachelors degree:

- GRE, MCAT or DAT scores

International applicants must also submit TOEFL, IELTS or equivalent examination scores demonstrating English proficiency if Bachelor's degree was not received from an English speaking institution.

#### Rolling Admission

For priority consideration, we encourage all applicants to submit their application before July 1. All applications will be reviewed on a rolling basis.

To be considered for enrollment in September completed applications must be received no later than July 31.

#### Tuition, Financial Aid and Student Resources

For the most up to date information on tuition and sources of financial aid, please visit [www.bumc.edu/gms/students/financing-options](http://www.bumc.edu/gms/students/financing-options). BU and BMC employees may be eligible for tuition discount benefits.

The BU Office of Housing Resources provides information regarding housing, transportation, and Boston neighborhoods. For more details, visit [www.bumc.bu.edu/ohr](http://www.bumc.bu.edu/ohr).

#### For more information about the Health Sciences Education programs please contact:

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