



Benedictine University

MASTER OF SCIENCE (M.S.)

# INTEGRATIVE PHYSIOLOGY

## IMPROVE YOUR PROFESSIONAL SCHOOL SUCCESS!

The Master of Science (M.S.) in Integrative Physiology program at Benedictine University is a unique, accelerated program that exposes students to advanced coursework in integrative physiology, historical and recent advances in the field of physiology, biochemistry, and global challenges in health care. Students have the flexibility to choose from a wide variety of electives including pathophysiology, immunology and gross dissection, to name a few. For college graduates looking to apply to professional schools, this challenging and stimulating program allows students to make the most of a gap year to deepen their understanding of physiological sciences, improve their GPA and strengthen their applications to professional schools. The Integrative Physiology program provides the critical-thinking and problem-solving skills needed to succeed and advance in a variety of fields.

- NO GRE REQUIRED
- NO APPLICATION FEE
- **START YOUR APPLICATION NOW** [apply.ben.edu](http://apply.ben.edu)

## ALUMNI SPOTLIGHT



Naureen Hasan MSIP '19

D.O. Candidate,  
Arkansas College of Osteopathic  
Medicine



ARKANSAS COLLEGE OF  
OSTEOPATHIC MEDICINE

“Words cannot express how much the M.S. in Integrative Physiology program has helped me in med school. I was much more prepared and was performing much better than many of my peers due to my extensive knowledge in physiology that I gained from this program. Thank you to Dr. Sarathy for being the best teacher I ever had and for helping me achieve my dreams.”

### Semester 1

#### Core Curriculum (8 credit hours)

BIOL 5505	Global Challenges for the Health Services Professional
BIOL 5520	Great Ideas in Physiology
BIOL 5340	Advanced Integrative Human Physiology I

#### Electives (6 credit hours)

BIOL 5344/45/46	Gross Anatomy
BIOL 5354	Immunology
BIOL 5355	Molecular Pharmacology
BIOL 5360	Endocrinology
BIOL 5371	Molecular Biology
BIOL 5387	Neurophysiology
BIOL 5591	Special Topics as Appropriate
BIOL 5385	Principles of Infectious Diseases
BIOL 5408	Microbiome and Health
BIOL 5577	Cancer Biology

### Semester 2

#### Core Curriculum (7 credit hours)

BIOL 5550	Advanced Integrative Human Physiology II
BIOL 5566	Essential Medical Biochemistry
BIOL 5590	Comprehensive Exam

#### Electives (9 credit hours)

BIOL 5325	Biology of Complex Systems
BIOL 5344/45/46	Gross Anatomy
BIOL 5347	Medicinal Chemistry
BIOL 5358	Exercise Physiology
BIOL 5359	Pathophysiology
BIOL 5369	Neurobiology
BIOL 5372	Genomics and Bioinformatics
BIOL 5591	Microbiome & Health
BIOL 5591	Infectious Diseases
BIOL 5591	Cancer Biology
BIOL 6600	Professional Insights into Health Care

START YOUR PATH TOWARDS YOUR HEALTHCARE CAREER

[ben.edu](http://ben.edu) | 630-829-6300 | [admissions@ben.edu](mailto:admissions@ben.edu)

## DEGREE REQUIREMENTS

The M.S. in Integrative Physiology program is a cohort-based program that runs for 10 months. Cohorts begin twice a year — late August and January. To complement what is taught in lectures, students have access to the latest electronic hardware and software to measure cell and body function, providing them with the chance to apply and expand on theory.

## WHY BENEDICTINE?

Alumni of our program have gone on to a variety of professional schools, including medical, dental, optometry, pharmacy, physical therapy, physician assistant and doctoral programs. You'll find them pursuing advanced degrees at Midwestern University, Marquette University, New York Institute of Technology College of Osteopathic Medicine, Marian University and A.T. Still University, just to name a few.



## MASTER OF SCIENCE (M.S.) INTEGRATIVE PHYSIOLOGY

We take great pride in our approach to education. Through small cohorts, personalized mentors, access to research and ethical training, we prepare students for the pace and complexities of work in today's healthcare industry.

Jayashree Sarathy, Ph. D.,  
Program Director

According to the U.S. Bureau of Labor Statistics, employment of medical scientists is projected to grow 6% from 2019 to 2029.

98%

PROGRAM  
GRADUATION RATE

81%

MATRICULATION  
RATE INTO  
PROFESSIONAL  
SCHOOLS



Benedictine University

**Lisle Campus** 5700 College Road, Lisle, IL 60532

**Mesa Campus** 255 E. Main Street, Mesa, AZ 85201