



**DR. BILLIE DORIS MCADA  
GRADUATE SCHOOL**

**McCOY COLLEGE OF  
Science, Mathematics & Engineering**



**MIDWESTERN STATE UNIVERSITY**

## **Master of Arts in Biology**

Non-thesis program option



The Master of Arts in Biology at Midwestern State University is a nonthesis program designed to help you enhance your understanding of the biological disciplines for medical school or other professional health science programs.

The master's program builds formal skills in analysis of biomedical literature and ethical questions in the medical professions.

The master's in biology is appropriate for students with a good overall medical school/professional school application package who need an additional opportunity to demonstrate their ability to master challenging coursework and be a strong applicant.

### **DEGREE REQUIREMENTS**

- **30 semester credit hours total**
  - 12 core credits
  - 18 elective credits
- **Only 3-4 semesters to complete**
- **Eligible to apply to professional programs in your second year**

### **WHAT WILL A MASTER'S DO FOR ME?**

If you are a nontraditional medical school applicant, a postbaccalaureate program will help you gain more training, preparation for standardized tests, and will provide you with more time to explore extracurricular medical-related opportunities.

This special master's program offers coursework to professional school admissions committees, and if the GPA earned can be viewed favorably, especially if the student shows an improvement in academic capabilities from the undergraduate degree.

## PROGRAM ADMISSION

Admission to the degree program is determined by the Biology Admissions Committee upon receipt of your complete Application Review Packet from the Dr. Billie Doris McAda Graduate School. A complete application packet will include:

- An application to the Dr. Billie Doris McAda Graduate School at [msutexas.edu/applygrad](https://msutexas.edu/applygrad)
- An application to the Biology Department Master's Program at <https://webforms2.msutexas.edu/TakeSurvey.aspx?SurveyID=n4KI3m44>
- Official transcripts from each institution the applicant has attended.
- Three letters of recommendation sent to the Graduate School.
- Test scores from the GRE (Graduate Record Examination), the MCAT (Medical College Admission Test), the PCAT (Pharmacy College Admission Test), or the DAT (Dental Admission Test).

## 2019-2020 MASTER OF ARTS IN BIOLOGY NONTHESIS CURRICULUM

### DEGREE REQUIREMENTS

#### CORE - 12 CREDITS

COURSE	TITLE	CREDITS
BIOL 5002	Discussions in Biology	2
BIOL 5011	History of the Biological Sciences	1
BIOL 5012	Writing in the Biological Sciences	2
BIOL 5801	Research Ethics	1
BIOL 5813	Biomedical Ethics	3
BIOL 6113	Scientific Literature and Research	3

#### ELECTIVES\* - 18 CREDITS

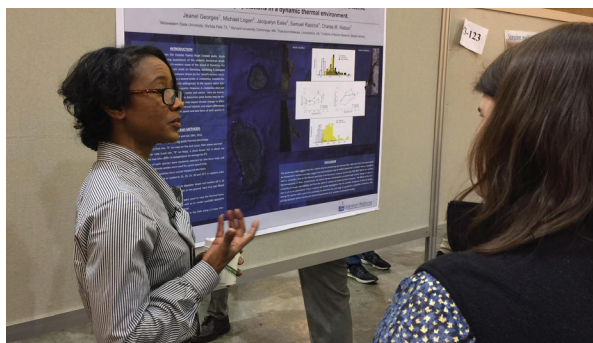
##### GROUP 1 (MINIMUM OF 9 CREDITS)

COURSE	TITLE	CREDITS
BIOL 5242	Biochemistry Lab	2
BIOL 5243	Biochemistry	3
BIOL 5253	Biochemistry	3
BIOL 5331	Molecular Biology Lab	1
BIOL 5333	Molecular Biology	3
BIOL 5644	Advanced Genetics	4

##### GROUP 2 (MAXIMUM OF 9 CREDITS)

BIOL 5803	Virology	3
BIOL 5823	Mycology	3
BIOL 5743	Araneology	3
BIOL 5833	Biostatistics	3
BIOL 5033	Special Graduate Topics in Biology	3

\* Students may petition to take certain undergraduate courses for graduate credit in Group 2.



### APPLICATION TO PROFESSIONAL SCHOOLS

MSU's health professions advisors will advise MA students on applications, interviews, and other parts of the application process to professional schools.

#### QUESTIONS?

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