

MASTER OF ARTS: BIOLOGY - RURAL MEDICINE EMPHASIS

Student Learning Outcomes

Students graduating from this program will:

- Integrate fundamental concepts in anatomy, biochemistry, cell biology and physiology.
- Apply basic biological sciences knowledge to clinical situations.
- Create a professional and reflective professional school application.
- Develop strategies for conducting professional school interviews.
- Master fundamental concepts in biochemistry, anatomy, and physiology. (Rural Medicine Emphasis)
- Develop strategies and portfolios for applying to medical and allied health programs. (Rural Medicine Emphasis)
- Identify rural issues, appraise rural health problems, and complete specific preparatory training activities. (Rural Medicine Emphasis)
- Apply current biomedical science techniques and analyze relationships in existing patient datasets. (Rural Medicine Emphasis)
- Develop a biomedical science capstone project. (Rural Medicine Emphasis)

Admissions

Applicants will select MA in Biology or MA in Biology - Rural Medicine Emphasis at the time of application. There are separate admissions committees.

Admission requirements applicable to both:

- BS or BA in Biology or Chemistry (preferred).
- Undergraduate GPA of 3.0 or higher (preferred).
- Equivalent coursework required for admissions depends on specified professional program of choice.
- Three letters of recommendation.
- Personal statement explaining purpose of application, including specified professional program and rationale for rural medicine emphasis if applicable.
- A current C.V.

Equivalent Coursework Completed for Admissions to MA Biology

Code	Title	Credits
General Biology I		
General Biology II		
General Chemistry I		
General Chemistry II		
Organic Chemistry I		
Organic Chemistry II		

Equivalent Coursework Completed for Admissions to the MA Biology - Rural Medicine Emphasis

Code	Title	Credits
General Biology I		
General Biology II		
General Chemistry I		
General Chemistry II		
Organic Chemistry I		

Location Requirements

For the MA Biology:

Students will take a mix of in-person and online classes. Attendance at all in-person classes is required on the UMKC campus (Volker and Health Science District).

MA Biology-Rural Medicine:

Students will take a mix of in-person and online classes. Attendance at all in-person classes is required on the UMKC School of Medicine regional campus located in St. Joseph, Missouri.

Plan of Study

Code	Title	Credits
BIOLOGY 5511	Professional Development	1
PHARM 7313P	Applied Biochemistry	4
Total Credits		5

Rural Medicine Emphasis Required Coursework

Code	Title	Credits
BMS 5501	Cadaver-Based Anatomy I	2
BMS 5502	Cadaver-Based Anatomy II	2
BMS 5511	Medical and Emergency Management in Rural Disaster Response	1
BMS 5512	Rural Medical Workforce Development	1
BMS 5540	Introduction to Medical Research	2
BMS 5556	Medical Physiology	3
BMS 5595	Capstone Research	1
Electives (see academic advisor for complete listing of options)		13
Total Credits		25

Total Credit Hours: 30