Chemistry Primary Emphasis

Professional Science Masters (PSM)

YEAR 1

Fall		Approved Business Course*	Credit hours 3
CHM	760	Chemistry of Environmental Systems	3
CHM	796	Science Internship (arranged with supervisor)	3
Spring			0
		Approved Business Courses* online	6
CHM	740	Seminar or CHM 798 Research (arranged with advisor)	2
		Ye	ar One Total 17

YEAR 2

Fall			Credit hours
BIO	794	Scientific Writing	2
		evenings	
		Approved Business Course*	3
		online	
CHM	796	Science Internship	
		(arranged with supervisor)	
Spri	ng		
снм	761	Chemistry of Environmental Systems II evenings	3
СНМ	762	Chemistry of Environmental Systems La	ib 2
CHIN	702	evenings	10 2
СНМ	740	Seminar or CHM 798 Research	2
CINN	740	(arranged with advisor)	4
		(unungeu with uuvisor)	

Year Two Total 15 Degree Total 32

*Approved courses offered through the College of Business Administration.

The approved courses are all 3 credit hour courses and offered in both the Fall and Spring semesters. Nine credit hours are required for the Professional Science Masters designation which can be taken from the following listing:

FIN	600	Managerial Finance
LAW	600	Legal Environment for Business Managers
ACC	600	Accounting Concepts for Managers
MGT	600	Administrative, Organizational and Operations
		Concepts for Managers
QBA	600	Statistical Methods in Business Research
CIS	600	Information Systems in Business Organizations

Contact Us

Admissions Information

Office	Carrington Hall, Room 308
Telephone	(417) 836-5331
Toll-Free	(866) 767-4723
Fax	(417) 836-6200
Email	GraduateAdmissions@missouristate.edu
Website	http://graduate.MissouriState.edu/admissions.htm
Hours	8am-5pm (M-F)

Degree Program Information College of Natural and Applied Science (Interdisciplinary Program)

Directors:	Dr. Xingping Sun
	Dr. Daniel Beckman
Location:	Temple Hall, room 142
Phone:	(417) 836-5249
Emails:	XingpingSun@MissouriState.edu
	DanielBeckman@MissouriState.edu
Website:	<u>http://www.cnas.MissouriState.edu/mnas.htm</u>



Master of Natural and **Applied Sciences**

Alternate Pathways



Online, Summer, and Evening Degree Tracks

College of Natural and **Applied Sciences**

www.cnas.MissouriState.edu/mnas.htm

Missouri State. Springfield



MNAS Program Overview

- For the graduate student who is looking for the professional edge. Many of our students plan to advance their education after the graduate level in post-graduate studies.
- 32 hour interdisciplinary program with a primary emphasis area of 16 credits and secondary emphasis of at least 9 credits.
- Work directly with an advisory committee dedicated to helping you meet your academic and professional goals.
- Increase your marketability by developing an advanced set of skills.
- Access state-of-the-art facilities for research and other academic endeavors.
- Enjoy multiple career opportunities in the sciences.

Why Pursue the MNAS Degree at Missouri State?

The MNAS program is the only one of its kind in the southwest Missouri region. This unique program offers a wide spectrum of choices for selecting two areas of study in multiple departments or schools. This option typically requires that you complete a minimum of 32 credit hours and takes approximately two years to complete. You will select a primary emphasis to study, and you will be required to complete a minimum of 16 credit hours from one of the following areas:

- AgricultureBiology
 - re Geography, Geology and Planning Mathematics Physics, Astronomy and Materials Science
- Chemistry
 Computer science
- You will also select a secondary emphasis to study, which requires at least nine credit hours. You may select from the list above, or an advisor may assist you in tailoring a program that fits your career goals. Two common secondary emphasis areas include business and education.

MNAS Two-Year Tracks for Online/Summer/Evening

Three customized programs are presented that can be completed by taking courses online, in evening hours, and during the summer, without coming to campus during typical daytime class hours.

Primary Emphasis Geography, Geology and Planning

Biology Secondary Emphasis

YEAR 1

Fall GEO	700	Credit hours Intro to Grad Study in Geospatial Science 3 evenings			
BIO	798	Research (arranged with advisor) 3			
Sprin	~				
GEO	9 675	GPS Surveying and Mapping 3 evenings			
GEO	701	Research Methods in Geospatial Science 3 evenings			
Sumn	Summer				
BIO	627	Field Biology (locations vary; e.g. Ecuador, Brazil or Jamaica) – short-term study away or			
BIO	697	Topics in Biology (topics vary; e.g. Riparian Ecology, Plants in Ozarks Culture, Botany for Educators) - at Bull Shoals Field Station			
	Year One Total 15				

YEAR 2

Fall		Credit	hours
BIO	728	Recent Advances in Biology	1
		(topics vary; e.g., Turtle Biology, Mussel Biology)	
		times vary	
BIO	794	Scientific Writing	2
		evenings	
BIO	661	or Environmental Interpretation and Education	
ыо	001	evenings	
GRY	799	Thesis (arranged with advisor)	3
UNI	755	or	5
GLG	680	Geochemistry	
		evenings	
Sprii			
GRY	731	Environmental Assessment	3
ODV	754	evenings	2
GRY	751	Topics in Advance Physical Geography	3
		(topics vary; e.g. Impacts on Ozark Watersheds) evenings	
GRY	799	Thesis (arranged with advisor)	2
onn	,	incolo (unungeu man dunsor)	-
Sum	mer		
GRY	779	Research (arranged with advisor)	3
		or	
GEO	770	Advanced Field and Laboratory Methods	
		(topics vary; e.g. Ozarks Watershed Monitoring)	
		Year Two To	tal 17
			un 17

Year Two Total 17 Degree Total 32

Note that these are just examples of three possible options. You will work directly with your advisory committee to develop your individualized program of study and complete a thesis, research paper, or internship project.

Primary Emphasis **Biology**

Chemistry Secondary Emphasis

YEAR 1

1 107 11	• •		
Fall BIO	794	Credit hour	r s 2
		evenings	_
СНМ	760	Chemistry of Environmental Systems I evenings	3
BIO	798	Research (arranged with advisor)	3
Sprin BIO	g 616	Evolution online evenings or	3
BIO	670	Water Resources blended, evenings	
СНМ	762	Chemistry of Environmental Systems Lab evenings	2
BIO	798	Research (arranged with advisor)	2
Sum r BIO	ner 627	Field Biology (locations vary e.g., Ecuador, Jamaica) short-term study away	3
		Year One Total 1	8
YEAI	R 2		
Fall BIO	728	Credit hour Recent Advances in Biology (topics vary; e.g., Turtle Biology, Mussel Biology) evenings	r s 1
BIO	799	Thesis	4
BIO	790	Degree Paper (arranged with advisor)	
Sprin CHM	g 735	Investigations in Chemistry for Teachers evenings	3
СНМ	761	Chemistry of Environmental Systems II evenings	3
Sumr	ner		
BIO	697	Topics in Biology (topics vary; e.g., Ozark Lichens, Sustaining Life) -at Bull Shoals Field Station or	3
BIO	685	Marine Conservation online	_

Year Two Total 14 Degree Total 32