University of Missouri
Bachelor of Science in Animal Sciences
Pre-Vet Option
Transfer Guide for East Central College

This plan is intended only as a general guide based on requirements in the 2013-2014 University of Missouri undergraduate catalog. Check the following web sites for current course descriptions, prerequisites, course equivalencies and other specific details about the animal sciences degree:

1) College Catalog (http://registrar.missouri.edu)
2) Transfer Equivalencies (http://transfercourses.missouri.edu or http://transfer.org)
3) General Education (http://generaleducation.missouri.edu)
4) Animal Sciences (http://animalsciences.missouri.edu/students/)

*This guide is for the animal sciences **pre-vet option**. Students interested in other animal sciences options should check the animal sciences and transfer equivalency websites for course options at East Central College.*

For more information about the Animal Sciences degree, contact the Department of Animal Sciences at (573) 882-8336.

University of Missouri		East Central College
COURSE	CREDITS	EQUIVALENT COURSE (CREDITS)
Communications (9 credits)		
ENGLSH 1000 Exposition and Argumentation (C- or better)	3	EN 1333 English Comp II (3)
COMMUN 1200 Public Speaking or AG ED 2220 Verbal Comm in Ag, Food & Natural Resources	3	CT 1103 Public Speaking (3)
Communication Elective	3	CT 1403 Beginning Acting (3), AS 1334 Amer Sign Lang I (4), or Foreign Language
College Algebra (3 credits)		
MATH 1100 College Algebra (C- or better)	3	MT 1403 College Algebra (3)
Biological, Physical, and/or Math Sciences (27 credits)		
BIO SC 1500 Introduction to Biological Systems with Lab or FW 1100 Intro Zoology with Lab	5	BI 1325 Prin of Biology I Lec & Lab (5) and BI 1415 Prin of Biology II Lec & Lab (5)
CHEM 1320 College Chemistry I	4	CH 1305 Gen Chemistry I Lec & Lab (5)
CHEM 2030 Survey of Organic Chemistry or CHEM 2100 Organic Chemistry I	3	CH 2205 Org & Biochem Lec & Lab (5) or CH 2305 Organic Chemistry I Lec & Lab (5)
BIOCHM 3630 General Biochemistry	3	None
PHYSCS 1210 College Physics I	4	PH 1703 & PH 1712 College Physics I (5) or PH 2103 & PH 2112 Gen Physics I (5)
PHYSCS 1220 College Physics II	4	PH 1803 & PH 1812 College Physics II Lec (5) or PH 2203 & PH 2212 Gen Physics II (5)
STAT 1200 Intro Statistical Reasoning or higher	3	BU 2103 Basic Business Stat (3) (MRP) or MT 2103 Statistics (3) (MRP)
Social & Behavioral Science (9 credits)		
State Requirement In Government or History	3	Select state requirement from the general education list.
AG ECON 1041 Applied Micro or ECONOM 1014 Princ of Micro or	3	EC 2203 Prin of Microecon (3)
AG ECON 1042 Applied Macroeconomics or ECON 1015 Principles of Macroeconomics	3	EC 2103 Prin of Macroecon (3)
Humanities/Fine Arts (6 credits)		
Humanity Elective	3	Select humanities from the general education list.
Humanity Elective	3	
Writing Intensive *(6 credits)* *Must be completed with a grade of C- or better.*		
AN SCI 2111 Sophomore Seminar: Societal issues Facing Animal Ag (WI)	3	Must be taken at MU
AN SCI Production Systems Course (AN SCI 4976, 4978, or 4979)	3	Must be taken at MU
Animal Sciences (45 credits)		
AN SCI 1011 Intro to Animal Science	3	None
AN SCI 1065 Animal Science Laboratory Practicum	2	None
AN SCI 2111 Soph Seminar: Societal issues Facing Animal Ag (WI)	3	None
AN SCI 2165 Introduction to Ruminant Livestock Production	3	None
AN SCI 2175 Introduction to Monogastric Production	3	None
AN SCI 3254 Physiology of Domestic Animals	3	None
AN SCI 3255 Physiology of Domestics Animals Lab	2	None
AN SCI 3213 Genetics of Agricultural Plants and Animals	3	None
AN SCI 4323 Applied Livestock Genetics (MRP) or AN SCI 4324 Genomics of Plants and Animals	2	None
AN SCI 3212 Principles of Animal Nutrition	3	None
AN SCI 3232 Animal Feeds and Feeding	3	None
AN SCI 4314 Physiology of Reproduction	3	None
AN SCI Production Systems Capstone (WI)	3	None
AN SCI Senior Electives	9	None
Electives (21 credits)		
Choose electives to reach the total of 120 credits required for graduation.		
Minimum Credits for a BS in Animal Sciences	**120**	

General Education Courses
East Central College

East Central College Course	MU Equivalent
Humanities	
AR 1203 Art Appreciation I (3)	ART_GNR1020
AR 1703 Art History I (3)	AR_H_A 1110
AR 1713 Art History II (3)	AR_H_A 1120
CT 1033 Intro to Mass Comm (3)	COMMUN 2100
CT 1103 Public Speaking (3)	COMMUN 1200
CT 1303 Theatre Appreciation (3)	THEATR 1100
CT 1403 Beginning Acting (3)	THEATR 1400
CV 2023 Islamic Civilization (3)	REL_ST 2700
CV 2603 Japanese Civil (3)	JAPNSE 2320
EN 1413 World Lit I (3)	ENGLSH LIT
EN 1423 World Lit II (3)	ENGLSH LIT
EN 1503 Poetry (3)	ENGLSH LIT
EN 1603 Fiction (3)	ENGLSH LIT
EN 1613 World Fiction (3)	ENGLSH LIT
EN 1703 Drama as Lit (3)	ENGLSH LIT
EN 1803 Art of the Novel (3)	ENGLSH LIT
EN 1813 Fiction into Film (3)	ENGLSH 2870
EN 1903 Classical Mythology (3)	CL_HUM 1060
EN 2033 Lit for Children (3)	ENGLSH LIT
EN 2103 Survey Brit Lit: Beg 1784 (3)	ENGLSH 2200
EN 2113 Sur Brit Lit: Romntcsm-Pr (3)	ENGLSH 2200
EN 2203 Sur Amer Lit: Colnl-1865 (3)	ENGLSH 2300
EN 2213 Surv Amer Lit: 1865-Pres (3)	ENGLSH 2300
EN 2223 Lit of Mystery (3)	ENGLSH 2150
EN 2303 Latino/a Literature (3)	ENGLSH 2000
EN 2323 Women's Literature	ENGLSH 2180
EN 2403 Lit of Fantasy (3)	ENGLSH 2150
EN 2503 Lit of Sci Fict (3)	ENGLSH 2150
EN 2603 Introduction to Shakespeare (3)	ENGLSH 2160
MU 1503 World Music (3)	MUSIC_N1313
MU 1603 Music Appreciation (3)	MUSIC_N1310
PR 1003 Intro Philosophy (3)	PHIL 1000
PR 1203 Hist of Mod Phil (3)	PHIL 3200
PR 1303 Living World Religions (3)	REL_ST 2110
PR 2103 Cont Ethical Prob (3)	PHIL 1100
PR 2403 Biblical Lit I: Old Test (3)	REL_ST HUM
PR 2503 Bibl Lit II: Old Test (3)	REL_ST 2500
PR 2603 Bibl Lit III: New Test (3)	REL_ST 2510

East Central College Course	MU Equivalent
Social Sciences (◆= State Requirement)	
◆HI 1001 US & State Constitution Competency (1)	POL SC SSCST
◆HI 1103 US Hist to 1865 (3)	HIST 1100
◆HI 1203 US Hist 1865-1945 (3)	HIST 1200
◆PS 1103 Intro Political Sci (3)	POL_SC 1700
◆PS 1203 US Govt I: Natl & St (3)	POL_SC 1100
◆PS 1303 State and Local Government (3)	POL_SC 2100
Foreign Language	
AB 1104 Elem Standard Arabic I (4)	ARABIC 1100A
AB 1204 Elem Standard Arabic II (4)	ARABIC 1100B
FR 1104 Elem French I (4)	FRENCH 1100
FR 1204 Elem French II (4)	FRENCH 1200
FR 2104 Interm French I (4)	FRENCH 2100
GR 1003 Beg German I (3)	GERMAN 1100A
GR 1103 Elem German I (3)	GERMAN 1100A
GR 1104 Elem German I (4)	GERMAN 1100
GR 1203 Elem German II (3)	GERMAN 1100B
GR 1204 Elem German II (4)	GERMAN 1200
GR 2113 Interm German I (3)	GERMAN 1100B
GR 2114 Interm German I (4)	GERMAN 2100
SP 1104 Elem Spanish I (4)	SPAN 1100
SP 1204 Elem Spanish II (4)	SPAN 1200
SP 2114 Interm Spanish I (4)	SPAN 2100