

University of Missouri

Bachelor of Science in Animal Sciences

Pre-Vet Option

Transfer Guide for Ozarks Technical Community 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 Ozarks Technical Community College.*

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

University of Missouri		Ozarks Technical Community College
COURSE	CREDITS	EQUIVALENT COURSE (CREDITS)
Communications (9 credits)		
ENGLSH 1000 Exposition and Argumentation (C- or better)	3	ENG 102 Comp II (3)
COMMUN 1200 Public Speaking or AG ED 2220 Verbal Comm in Ag, Food & Natural Resources	3	COM 105 Public Speaking (3)
Communication Elective	3	THR 110 Acting Fund (3), COM 225 Organizational Comm (3), ASL 101 Amer Sign Lang I (3) & ASL 102 Amer Sign Lang II (3), or Foreign Language
College Algebra (3 credits)		
MATH 1100 College Algebra (C- or better)	3	MTH 130 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	BIO 160 & BIO 170 Gen Biology I & II (8)
CHEM 1320 College Chemistry I	4	CHM 111 Gen Chemistry I (5)
CHEM 2030 Survey of Organic Chemistry or CHEM 2100 Organic Chemistry I	3	CHM 200 Surv of Organic Chem (5)
BIOCHM 3630 General Biochemistry	3	None
PHYSICS 1210 College Physics I	4	PHY 120 Gen Physics I (4) or PHY 220 Physics for Engr & Sci I (5)
PHYSICS 1220 College Physics II	4	PHY 130 Gen Physics II (4) or PHY 222 Physics for Engr & Sci II (5)
STAT 1200 Intro Statistical Reasoning or higher	3	MTH 210 Statistical Meth (MRP) (3)
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	ECO 275 Princ of Microeconomics (3)
AG ECON 1042 Applied Macroeconomics or ECON 1015 Principles of Macroeconomics	3	ECO 270 Princ of Macroeconomics (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	AGR 160 Animal Science (4)
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	AG 125 Light Horse Prod (3)
AN SCI 3254 Physiology of Domestic Animals	3	None
AN SCI 3255 Physiology of Domestic 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 Ozarks Technical College

Ozarks Technical College Course

MU Equivalent

Ozarks Technical College Course

MU Equivalent

Humanities

ART 101	Art History I (3)	AR_H_A 1110
ART 105	Art History II (3)	AR_H_A 1120
ART 110	Art & Experience (3)	ART_GNR1020
COM 105	Public Speaking (3)	COMMUN 1200
COM 150	Intro Mass Comm (3)	COMMUN 2100
ENG 180	Intro to Literature (3)	ENGLISH LIT
ENG 195	Sel Tops in Lit (1)	ENGLISH LIT
ENG 220	Amer Lit: Beg-1870 (3)	ENGLISH 2300
ENG 225	Amer Lit: 1870-Pres (3)	ENGLISH 2300
ENG 240	British Lit: Beg-1790 (3)	ENGLISH 2200
ENG 245	British Lit: 1790-Pres (3)	ENGLISH 2200
ENG 250	Children's Lit (3)	ENGLISH LIT
ENG 260	Surv World Lit I (3)	ENGLISH 2155
ENG 265	Surv World Lit II (3)	ENGLISH 2155
HUM 101	Intro Humanities (3)	MISC HUM
HUM 102	World Humanities (3)	MISC HUM
MUS 101	Music of the World (3)	MUSIC_N1313
MUS 105	Western Music (3)	MUSIC_N1310
MUS 110	Music Fund (3)	MUSIC_N1211
MUS 120	Music Theory I (2)	MUS_THR1220
MUS 121	Music Theory II (2)	MUS_THR1221
MUS 201	Latin Amer Music (3)	MUSIC_NHUM
PHL 101	Intro to Philosophy (3)	PHIL 1000
PHL 105	Intro Ethics (3)	PHIL 1100
PHL 110	Rel of the World (3)	REL_ST 2110
PHL 120	Intro New Testament (3)	REL_ST 2510
THR 101	Intro Theater (3)	THEATR 1100
THR 110	Acting Fund (3)	THEATR 1400
THR 115	Intro Script Analy (3)	THEATR 2800

Social Sciences (◆=State Requirement)

◆HST 120	US History I: to 1865 (3)	HIST 1100
◆HST 130	US History II: 1865 to the Present (3)	HIST 1200
◆HST 230	20th Cent Amer (3)	HIST 2210
◆PLS 101	Amer Gov & Politics (3)	POL_SC 1100

Foreign Language

FRN 101	Beginning French I (3)	FRENCH 1100A
FRN 102	Beginning French II (3)	FRENCH 1100B
GRM 101	Beg German I (3)	GERMAN 1100A
GRM 102	Beg German II (3)	GERMAN 1100B
SPN 101	Beg Spanish I (3)	SPAN 1100A
SPN 102	Beg Spanish II (3)	SPAN 1100B
SPN 201	Interm Span I (3)	SPAN 1200
SPN 202	Interm Span II (3)	SPAN 2100