MCC to MU Transfer Agreement in Fisheries and Wildlife

A maximum of 62 credit hours will be accepted by MU from MCC to be applied to the Bachelor of Science in Fisheries and Wildlife.

Transfer students from MCC, upon acceptance into the Fisheries and Wildlife undergraduate program at MU, will have junior standing at MU.

Section III: Program Plan

Students falling under this program articulation agreement will be responsible for successfully completing the following requirements.

Years 1 and 2
Associate in Arts Degree

American Institutions – 6 credits

HIST 120 American History I	3 cr. ***or***
HIST 121 American History II	3 cr. ***and***
POLS 135 Introduction to Political Science	3 cr. ***or***
POLS 136 Introduction to American National Politics	3 cr. ***or***
POLS 137 Introduction to State and Local Politics	3 cr.

Communications — 9 credits

ENGL 101 Composition and Reading I	3 cr.
ENGL 102 Composition and Reading II	3 cr.
SPDR 100 Fundamentals of Speech	3 cr.

Humanities — 9 credits

One course must be in literature or philosophy.	3 cr. (Humanities credit will not be assigned for performance courses)

Mathematics – 3 credits

MATH 120 College Algebra	3 cr.

Social and Behavioral Sciences – 6 credits

PSYC 140 General Psychology	3 cr.
ECON 210 Principles of Economics I-Macro	3 cr.

Natural Sciences – 20 credits (Must include laboratory)

BIOL 104 General Botany	5 cr.
BIOL 106 General Zoology	5 cr.
BIOL 202 Ecology	5 cr.
CHEM 111 General College Chemistry I	5 cr.

Physical Sciences – 10 credits

GEOL 101 General Geology	5 cr.
PHYS 104 General Physics I	5 cr.

General Education Total 63 credits

* Learning Enhancements from the above courses: One course designated as Writing Intensive and a

course designated as a Learning community or Human Diversity.

Total credits required for the Associate of Arts degree: 62

Years 3 and 4
University of Missouri – Fisheries and Wildlife

Quantitative/Analytical Skills – 9 credits

Math 1400 Calculus for Social-Natural Sciences	3 cr. FWS
NATR 1080 Computer Applications in Natural Resources	2 cr. FW
NATR 1090 Beginning GIS for Natural Resources	1 cr. FW
STAT 2530 Statistical Methods in Natural Resources	3 cr. W

Professional Core – 30 - 31 credits

F&W 2100 Colloquium in Fisheries and Wildlife	1 cr. F
NATR 3110 Biometrics	3 cr. F
FW 3001 Conservation Genetics and Evolution	3 cr. W **or**
BIO SCI 2200 General Genetics	4 cr. FW **or**
AN SCI 3213 Genetics of Agricultural Plants and Animals	3 cr. W
BIO SCI 3210 Plant Taxonomy	4 cr. W ***or***
FOR 2151 Dendrology	4 cr. F
BIO SCI 3650 General Ecology	5 cr. F
MPP 3202 Elements of Physiology	5 cr. FW ***or***
AN SCI 3254 Physiology of Domestic Animals	4 cr. F
AG ECON 4356 Introduction to Environmental Law	3 cr. FW ***or***
AG ECON 3257 Rural & Agricultural Law	3 cr. FW **or**
NATR 4353 Natural Resources Policy and Administration	3 cr. W
F&W 3900 Animal Population Dynamics and Management	3 cr. W
NATR 4970 Resource Practicum (must be taken last winter enrollment)	3 cr. W (Required for graduation)

Professional Concentration Areas – 24 credit minimum
A total of 7 courses must be taken from **Terrestrial** and **Aquatic** offerings: 5+2 or 4+3, with at least 2 courses from Science and Natural History and 2 courses from Management Techniques in the emphasis area.

A. TERRESTRIAL

Science and Natural History (at least 2 for Terrestrial emphasis)

F&W 2600 Ornithology	4 cr. Winter
F&W 3660 Mammalogy	4 cr. Fall
Not more than one course from this group:	
ENT 3710 Entomology (2) **AND** ENT 3715 Insect Diversity (1)	3 cr. Fall
BIO SCI 3360 Herpetology	4 cr. Winter, odd years
BIO SCI 3260 Invertebrate Zoology	4 cr. Fall

Management and Techniques (at least 2 for Terrestrial emphasis)

F&W 4700 Wildlife Research and Management Techniques	4 cr. Fall **WI**
F&W 3600 Introduction to Conservation Biology	3 cr. Winter **WI**
F&W 4600 Wildlife Conservation	4 cr. Fall **WI**

Specialty Courses

F&W 2400 Human Dimensions of Wildlife Conservation	3 cr. Fall, odd years
F&W 3500 Wildlife Conservation of British Cities	6 cr. Summer
F&W 3800 Waterfowl Biology and Management	3 cr. Fall, even years
F&W 4200 Urban Wildlife Management	3 cr. Winter **WI**
BIO SCI 4670 Avian Ecology	3 cr. Winter, odd years
F&W 4800 Environmental Toxicology	3 cr. Winter, odd years

B. AQUATIC

Science and Natural History (at least 2 for Aquatics emphasis)

F&W 2700 Ichthyology	4 cr. Winter
F&W 4100 Limnology	4 cr. Fall
Not more than one course from this group:	
ENT 3710 Entomology (2) **AND** ENT 3715 Insect Diversity (1)	3 cr. Fall
BIO SCI 3260 Invertebrate Zoology	4 cr. Fall
BIO SCI 3360 Herpetology	4 cr. Winter, odd years

Management and Techniques (at least 2 for Aquatics emphasis)

F&W 3400 Natural Resource Management & Water Quality	3 cr. Winter
F&W 4300 Fisheries Management	3 cr. Fall
F&W 4400 Techniques for Fisheries Management and Conservation	3 cr. Fall **WI**

Specialty Courses

F&W 3200 Aquaculture	3 cr. Winter
F&W 3600 Introduction to Conservation Biology	3 cr. Winter
F&W 4800 Environmental Toxicology	3 cr. Winter, odd years

* One course at MU must be designated as Writing Intensive.

Total credits required for the University of Missouri: 63 - 64

GRAND TOTAL 125 - 126 credits