MCC to MU Transfer Agreement in Soil Resource Management

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

Transfer students from MCC, upon acceptance into the Soil Resource Management emphasis area 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	Intro. to Political Science	3 cr. ***or***
POLS 136	Intro. to American National Politics	3 cr. ***or***
POLS 137	Intro. 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.	9 cr. (Humanities credit will not be assigned for performance courses)

Mathematics – 8 credits

MATH 120 College Algebra	3 cr.
Math 180 Analytical Geometry and Calculus	*5 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.
CHEM 111 General College Chemistry I	5 cr.
GEOL 101 General Geology	5 cr.
CHEM 205 Organic Chemistry	5 cr. ***or***
CHEM 221 Organic Chemistry I	5 cr. ***or***
CHEM 222 Organic Chemistry II	5 cr.

Computer Science – 3 credits

CSIS 115 Intro. to Microcomputer Applications	3 cr.

General Education Total 61 credits

GENERAL EDUCATION ELECTIVES: 1 credit
Electives for a degree total of 62 as required for the degree.
* 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 – Soil and Atmospheric Sciences (Soil Resource Management)

Departmental Quantitative/Computer Skills (10 cr)

NATR 1090 Beginning GIS for Natural Resources	1 cr. FW
Other courses in Math, Computer Science, and Statistics **or**	
NATR 4320 - Hydrologic & Water Quality Modeling	3 cr. W
NATR 4325 - Introduction to Geographic Information Systems	3 cr. W
NATR 4365 - GIS applications	3 cr.
NATR 4385 - Landscape Ecology and GIS Analysis I	3 cr.
NATR 4395 - Landscape Ecology and GIS Analysis II	3 cr.
STAT 2530 Statistical Methods in Natural Resources	3 cr. W ***or***
STAT 1400 Statistical Analysis	3 cr. FWS

Natural Resources – 3 credits

NATR 1070 - Ecology and Renewable Resource Management	3 cr. W

Science Electives – 9 credits

Courses in biochemistry, biology, chemistry, entomology, geology, physics, and plant pathology as well as the following courses:

CIV ENGR 252 Hydrology	3 cr. F
FOR 302 Forest Ecology	3 cr. F **WI**
PLNT SCI 209 Principles of Weed Science	4 cr. F
PLNT SCI 225 Basic Plant Genetics	3 cr. F
PLNT SCI 315 Crop Physiology	3 cr. W

Capstone Experience – 3 credits

NATR 4970 Natural Resources Practicum	3 cr. W (Required for graduation)

Departmental Soil and Atmospheric Sciences – 30 credits

Soil and Atmospheric Sciences (6 credits)	
Atm Sci 1050 - Introduction to Meteorology	3 cr. FW
Soils 2100 - Introduction to Soil Science	3 cr. FW
Additional Emphasis Area Requirements (24 credits)	
Soils 2106 - Introduction to Soil Science Lab	2 cr. FW
Soils 3290 - Soils and the Environment	3 cr. F
Additional Soils courses (12 credits)	
Other Soils courses or the following courses (7 credits):	
BioEng 4150 - Soil Conservation Engineering	3 cr. F
BioEng 4250 - Irrigation and Drainage Engineering	3 cr. F
CivEng 3400 - Fundamentals of Geotechnical Engineering	4 cr. FW
F&W 3400 - Natural Resources Mgmt & Water Quality	3 cr. W
For 4390 - Watershed Management	3 cr. F
NatR 4320 - Hydrologic and Water Quality Modeling	3 cr. W

ELECTIVES – 11 credits

Remaining hours from general, quantitative, science, and department electives to complete 128 hours total requirement.

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

Total credits required for the University of Missouri: 66

GRAND TOTAL **128 credits**