

MCC to MU Transfer Agreement in Environmental Soil Science

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 Environmental Soil Science 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. <i>or</i>
HIST 121	American History II	3 cr. <i>and</i>
POLS 135	Intro. to Political Science	3 cr. <i>or</i>
POLS 136	Intro. to American National Politics	3 cr. <i>or</i>
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 – 25 credits (Must include a laboratory)

BIOL 101 General Biology	5 cr. or
BIOL 104 General Botany	5 cr.
CHEM 111 General College Chemistry I	5 cr.
CHEM 112 General College Chemistry II	5 cr.
CHEM 205 Organic Chemistry	5 cr. or
CHEM 221 Organic Chemistry I	5 cr. or
CHEM 222 Organic Chemistry II	5 cr.
PHYS 104 General Physics I	5 cr. and
PHYS 105 General Physics II	5 cr.

General Education Total 63 cr.

* 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 (Environmental Soil Science)

Departmental Quantitative/Computer Skills (9 credits)

NATR 1080 Computer Applications in Natural Resources	2 cr. FW and
NATR 1090 Beginning GIS for Natural Resources	1 cr. FW or
AGR 1111 Computing and Information Systems I	3 cr. FW
STAT 2530 Statistical Methods in Natural Resources	3 cr. W or
STAT 1400 Statistical Analysis	3 cr. FWS
Other courses in Math, Computer Science, Statistics such as	
NATR 211 Biometrics	3 cr. F or
NATR 4320 - Hydrologic & Water Quality Modeling	3 cr. W or
NATR 4325 - Introduction to Geographic Information Systems	3 cr. W or
NATR 4365 - GIS applications	3 cr. or
NATR 4385 - Landscape Ecology and GIS Analysis I	3 cr. or
NATR 4395 - Landscape Ecology and GIS Analysis II	3 cr.

Natural Resources – 3 credits

NATR 1070 Ecology and Renewable Resource Management	3 cr. W
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Science Electives – 9 credits

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

CIV ENGR 3702 Hydrology	3 cr. F
FOR 4320 Forest Ecology	3 cr. F WI
PLNT SCI 3210 Principles of Weed Science	4 cr. F
PLNT SCI 3225 Basic Plant Genetics	3 cr. F
PLNT SCI 4315 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 cr)

AtmSci 1050 - Introduction to Meteorology 3 cr. FW

Soils 2100 - Introduction to Soil Science 3 cr. FW

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 – 12 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