Requirements for B.S. Degree in Agroecology

5/05

Course Requirements for Agroecology Majors (B.S.) **Hrs**

AECL 1000 (S1/SBG)	Agroecology	4
AECL/SOIL 2010 (S3, SE)	Ecological Web: Introduction to Soil Science	4
AECL/BIOL 2023 (S1)	Plant & Fungal Biology	4
AECL 3030	Ecological Web: Ecology of Plant Protection	3
AECL 4990 (W3/WC)	Agroecology Seminar	3
AECL /SOIL 4140	Soil Microbiology	4

A minimum of 4 credits from either: 4

AECL 4920 Research Apprenticeship (1-2 hrs - max 2)
and/or
AECL 4930 Internship in Agroecology (1-3 hrs - max 6)
and/or
AECL 4960 Agroecology Field Studies (2 hrs)

Select either: 3-4

ENTO 1000 or 1001 Insect Biology (3 or 4 hrs)

Select either: 3

AGEC/ECON 1010 (C2/CS) Prin.Macroeconmics (3 hrs)
or
AGEC/ECON 1020 (C2/CS) Prin. Microeconomics (3 hrs)

Math and Statistics:

MATH 1000 (M1) Problem Solving (3 hrs)
or
MATH 1400 (M1) College Algebra (3 hrs) 3
STAT 2050 (M2) Fundamentals of Statistics 4

Biology/Chemistry:

BIOL 1010 (S1)	General Biology I	4
BIOL 2021 or 2022 or 3400	Microbiology or Animal or General Ecology	4
CHEM 1000 (S2)	Introductory Chemistry	4
CHEM 2300	Introductory Organic Chemistry	4

Communications:

COJO 1010 (C3) Public Speaking 3

Directed agriculture science electives: 9

9 upper division credits (3000 or above) selected from within ONE of the following disciplines: Animal Science (ANSC), Botany (BOT), Plant Science (PLNT), Entomology (ENTO), Molecular Biology/ Microbiology (MOLB/MICR), Rangeland Ecology and Watershed Management (REWM), Soil Science (SOIL).

Supporting electives:.....9

9 upper division credits (3000 or above) selected from within the following categories: Agroecology (AECL), Agriculture Economics (AGEC), Animal Science (ANSC), Biology (BIOL), Botany (BOT), Chemistry (CHEM), Plant Science (PLNT), Environment and Natural Resources (ENR), Entomology (ENTO), Food Science (FDSC), Geography (GEOG), Molecular Biology (MOLB), Microbiology (MICR), Rangeland Ecology and Watershed Management (REWM), Pathobiology (PATB), Soil Science (SOIL), Zoology (ZOO), Communications (COJO).

Agroecology Discipline Requirements 76-77

University Studies prior to Fall 2003 14-23

F1, W1, W2, M3, C1, C_, V1, G1, P1 (some of these may be satisfied through university placement criteria or course selections in the agriculture or life science electives)

Free Electives..... 20-30

University Studies after 2003 (not included in preceding courses)..... 16-28

I (Intellectual Community), WA (Writing 1), WB (Writing 2), C (Integrated Cultural Context - can be substituted for a CA or CH requirement), D (Diversity), L (Information Literacy), CA (Cultural Context - Arts), CH (Cultural Context - Humanities), P (Physical Education & Health), and V (U.S. & Wyoming Constitution)

Free electives..... 15-28

TOTAL HOURS 120