University Core Requirements:
(No single course can satisfy more than one core area)

Writing/Health
- WR 121 – English Composition (3) (Minimum passing grade of C–)
- WR II (3)
- COMM (3)
- Writing Intensive (CROP 325) (3)
- HHS 231 – Lifetime Fitness for Health (2)
- HHS 24 – Lifetime Fitness or PAC (1)
- Foreign Language (if deficient; waived for pre-1997 HS graduates)

Perspectives
(No more than 2 courses in one department)

- Western Culture
- Cultural Diversity
- Literature/Arts
- Social Processes (ECON 201 or AEC 250)
- Difference, Power, Dis.
- Biological Science (met by major requirements)
- Physical Science (met by major requirements)
- Phys. or Biol. Science (met by major requirements)

Math
- MTH 105, 111, 112, 211, 241, 245 or 251 (4) (Met by major requirements)

Synthesis/Upper Division
(Each course from a different department)

- Contemp. Global Issues (3) (Met by CROP 330 or FES 365)
- Science, Technology, Society (3) *(course meets requirement)

Major Core:

General Science Core
- MTH 241 or 245 or 251* (4)
- BI 211, BI 212, BI 213 – Principles of Biology* (4,4,4)
- or BI 204, BI 205, BI 206 – Introductory Biology (4,4,4)
- CH 231 – General Chemistry (4) and CH 261 Laboratory for Chemistry 231 (1)
- CH 232 – General Chemistry (4) and CH 262 Laboratory for Chemistry 232 (1)
- CH 233 – General Chemistry (4) and CH 263 Laboratory for Chemistry 233 (1)

(Students must receive a grade of C-, or higher, to continue on to the next chemistry course in the series)

Orientation
- CROP/ENT/HORT/SOIL 101 – Intro. Horticulture, Crop, Soil, Insect Science (1)

Agricultural Science
- BOT 331 – Plant Physiology (4)
- BOT 350 – Introductory Plant Pathology (4)
- CROP 440 – Weed Management (4)
- ENT 311 – Intro to Insect Pest Management (4)
- SOIL 205 – Soil Science (3) and SOIL 206 Soil Science Lab for Soils 205 (1)

Experiential Learning
- CROP 401, 403 or 410 – Research/Thesis/Internship (3 or more credits)
- CROP 407 – Senior Seminar (1)

Ecology
(Select 1 of the following courses)
- BI 370 – Ecology (3)
- BOT 341 – Plant Ecology* (4)
- RNG 341 – Rangeland Ecology and Mgmt. (3)

Technology
- CROP 414-Precision Agriculture (4)

Writing Intensive
- CROP/SOIL 325 – Ag & Envr. Predicaments: A Case Study Approach (WIC) (3)

Capstone
- CROP/HORT 480 – Case Studies in Cropping Systems Management (4)

Option: Agronomy

Term Entering: ___________________
From: ___________________

Option Requirements

Agronomy Core
- CROP 200 – Crop Ecology & Morphology (3)
- CROP 280 – Intro. to Complexity of Oregon Cropping Systems (4)
- CROP 319 – Principles of Field Crop Production (3)
- CROP 330 – World Food Crops (3)
- PBG/HORT 430 – Plant Genetics (3)
- PBG/HORT 431 – Plant Genetics Recitation (1)
- SOIL 316 – Nutrient Cycling in Agroecosystems (4)
- ST 351 or ST 411 (4)

Agronomy Electives
(Choose at least 7-8 credits from the following courses)
- BEE 439 – Irrigation Principles & Practices (4)
- BOT 313 – Plant Structure (4)
- CROP 310 – Forage Production (4)
- CROP 420 – Seed Science & Technology (3) (E-campus only)
- CROP 460 – Seed Production (3)
- HORT 316 – Plant Nutrition (4)

General Electives
(Choose at least 7-8 credits from the following courses)
- BB 350 – Elementary Biochemistry (4)
- BOT 313 – Plant Systems (4)
- BOT 4141 – Agrostology (4)
- BOT 442 – Plant Population Ecology (3)
- BOT 480 – Photosynthesis and Photobiology (3)
- BOT 488 – Environmental Physiology of Plants (3)
- CH 331 – Organic Chemistry (4)
- CH 332 – Organic Chemistry (4)
- CH 337 – Organic Chemistry Lab (4)
- CROP 199 – Special Studies: Issues in Sustainable Ag (1) repeatable
- CROP/HORT 300 – Crop Production in Pacific Northwest Agroecosystems (4)
- CSS 320 – Principles of Oil & Fiber Crop Production (1)
- CSS 321 – Principles of Cereal Crop Production (1)
- CSS 322 – Principles of Potato Production (1)
- CROP 418 – Toxic Plants in PNW Pastures (1) (E-campus only)
- FES 365 – Issues Natural Resources Conservation (3) (Cascades, Ecampus)
- GEO/SOIL 335 – Introduction to Water Science & Policy* (3)
- HORT/CROP 433 – Systems & Adaptation of Vegetable Crops (4)
- HORT/CROP 463 – Seed Biology (3) (alt. year)
- MB 230 – Introductory Microbiology (4)
- PBG 441 – Plant Tissue Culture (4)
- PBG 450 – Plant Breeding (4)
- PH 201 – General Physics (5)
- SOIL 395 – World Soil Resources* (3) (E-campus only)
- SOIL 435 – Environmental Soil Physics (3)
- SOIL 445 – Environmental Soil Chemistry (3)
- SOIL 455 – Biology of Soil Ecosystems (4)
- SOIL 466 – Soil Morphology and Classification (4)
- SOIL 475 – Soil Resource Potentials (3)
- WR 327 – Technical Writing (3)

Business and Economics
- AREC/AEC 211 – Management in Agriculture (4)
- AREC/AEC 221 – Marketing in Agriculture (3)

or
- ECON 201 – Introduction to Microeconomics (4)

Business Electives
(Choose a minimum of 4 credits from the following courses)
- AREC/AEC 311 – Microecon: Tools Consumer Choice/Prod. Efficiency (4)
- AREC/AEC 372 – Agricultural Cooperatives (3)
- AREC/AEC 388 – Agricultural Law (4)
- AREC/AEC 442 – Agricultural Business Management (4)
- AREC/AEC 444 – Commodity Futures and Options Markets (4)
- AREC/AEC 460 – Capital Investment Analysis using AgTools (3)
- BA 463 – Family Business Management (4)

Experiential Learning Track (optional) - 10 or more credits of a structured internship (CROP 410) can be substituted for 6 of the 7-8 General Elective credits and the four Business Electives credits. This will allow you to use an entire term for internship work.
Research Track (optional) – suggested elective classes have an  § - select courses most relevant to your intended graduate school program

Total Units (need 180) _________ Upper Div. Units (need 60) _______

Grade Requirement: Students pursuing an option in Agronomy, under the Crop & Soil Science Major, are required to receive a grade of C or better in all CROP, CSS, ENT, HORT, PBG, and SOIL courses required within their major and option.