Name: ____________________________________________
ID: ____________________________________________
Entering Status: __________________________________

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 (HORT 318) (3)
____ HHS 231 – Lifetime Fitness for Health (2)
____ HHS 244 – Lifetime Fitness or PAC (1)
____ Foreign Language (if deficient; waived for pre-1997 HS graduates)

Math
____ MTH 105, 111, 112, 211, 241, 245, or 251 (4) (Met by major requirements)
(Students must receive a grade of C– or higher, to continue on to the next math course)

Synthesis/Upper Division – choose from provided list
(Each course from a different department)
____ Contemp. Global Issues (3)
____ Science, Technology, Society (3)

Major Core:
General Science
____ MTH 112, MTH 241, MTH 245, MTH 251, or ST 351 (4)
(Prereq of C- or higher in MTH 111, or in MTH 112 if taking MTH 251)
____ CH 121 – General Chemistry (5) or CH 231 – General Chemistry (4)
and CH 261 – Laboratory for Chemistry (2) (1)
____ CH 122 – General Chemistry (5) or CH 232 – General Chemistry (4)
and CH 262 – Laboratory for Chemistry (2) (1)
____ CH 123 – General Chemistry (5) or CH 233 – General Chemistry (4)
and CH 263 – Laboratory for Chemistry (2) (1)
(Students must receive a grade of C– or higher, to continue on to the next chemistry course in the series)
____ BI 211 or 221 – Principles of Biology (4)
____ BI 212 or 222 – Principles of Biology (4)
____ BI 213 or 223 – Principles of Biology (4)

or the alternative BI 204–206 series:
____ BI 204 – Introductory Biology I (4)
____ BI 205 – Introductory Biology II (4)
____ BI 206 – Introductory Biology III (4)

Agricultural Science
____ BOT 331 – Plant Physiology (4)
____ BOT 350 – Introductory Plant Pathology (4)
____ CROP 440 – Weed Management (4)
____ ENT 311 – Introduction to Insect Pest Management (4)
____ SOIL 205 – Soil Science (3) & SOIL 206 – Lab (1)
____ OR CSS 205 – Soil Science (4)

Orientation
____ HORT 112 – Introduction to Horticultural Systems, Practices, & Careers (2)

Horticultural Science
____ HORT 301 – Growth and Development of Horticultural Crops (3)
____ HORT 311 – Plant Propagation (4) (HORT 310.Princ. Plant Propag. (3) for E-campus students only)
____ HORT 316 – Plant Nutrition (4)

Option: Sustainable Horticultural Production

Term Entering:
From:

Experiential Learning
____ HORT 403 or 410 – Thesis/Internship (3-12)
____ HORT 412 – Career Exploration: Internships & Research Projects (1)

Option Requirements
Plant Materials
(Select 2 of the following courses)
____ BOT 313 – Plant Structure (4)
____ BOT 321 – Plant Systematics (4)
____ BOT 323 – Flowering Plants of the World (3)
____ BOT 425 – Flora of the Pacific Northwest (3)
____ CROP 200 – Crop Ecology & Morphology (3)
____ FES 241 – Dendrology (3)
____ HORT 226 – Landscape Plant Materials I (4)
____ HORT 228 – Landscape Plant Materials II (4)
____ HORT 251 – Temperate Tree Fruit, Berries, Grapes, and Nuts (2) alt. year
____ HORT 255 – Herbaceous Ornamental Plant Materials (3)
____ HORT 433 – Systematics & Adaptation of Vegetable Crops (4)

Ecology
____ HORT 318 – Applied Ecology of Managed Ecosystems (3)

Technology
____ HORT 414 – Precision Agriculture (4)

Horticultural Communication
____ HORT 318 – Applied Ecology of Managed Ecosystems (3) (WIC)
____ HORT 407 – Seminar (1)
____ HORT 411 – Horticulture Book Club (1)

Capstone
____ HORT 481 – Horticulture Production Case Studies (4)

Horticultural Production
____ HORT 300 – Crop Production in Pacific Northwest Agroecosystems (4)
____ HORT 360 – Irrigation/Drainage (4)
____ PBG 430 – Plant Genetics (3)
(Select 1 of the following courses)
____ HORT 260 – Organic Farming/Gardening (3)
____ HORT 351 – Floriculture & Greenhouse Systems (4) alt. year
____ HORT 361 – Plant Nursery Systems (4) alt. year
____ HORT 451 – Tree Fruit Physiology and Culture (4)
____ HORT 452 – Berry & Grape Physiology & Culture (4) alt. year
____ HORT 453 – Grapevine Growth & Physiology (3)
____ HORT 454 – Principles & Practices Vineyard Prod. (3)
____ HORT 456 – Physiology & Production of Berry Crops (4)

Horticultural Electives
(Select a minimum of 9 credits from the above list or from the following list)
____ CROP 280 – Introduction to Complexity of Oregon Cropping Systems (4)
____ SUS 325 – Ag. & Envir. Predicaments: Case Study Approach (3)
____ ENT 322 – Honey Bee Biology & Beekeeping (3)
____ HORT 199, 299, 399, 499 – Special Topics (1-16)
____ HORT 285 – Permaculture Design & Theory: Certificate Course (4)
____ HORT 314 – Principles of Turfgrass Maintenance (4)
____ HORT 444 – Insect Agroecology (3)
____ HORT 421 – Herbs, Spices & Medicinal Plants (3)
____ HORT 463 – Seed Biology (3) alt. year
____ HORT 499 – Intro. to Organic Certification (3)
____ PBG 441 – Plant Tissue Culture (4)
____ PBG 450 – Plant Breeding (4)
____ SOIL 316 – Nutrient Cycling in Agroecosystems (4)
____ SOIL 399 – Soil Management for Organic Production (3)
____ SOIL 455 – Biology of Soil Ecosystems (4)
Business Management
(Select 1 of the following courses)
- AEC 211 – Agricultural and Food Management (4)
- AEC 221 – Agricultural and Food Marketing (3)
- *AEC 250 – Introduction to Environmental Economics & Policy (3)
- *AEC 251 – Introduction to Agricultural & Food Economics (3)
- BA 260 – Introduction to Entrepreneurship (4)
- BA 365 – Family Business Management (4)
- NMC 311 – Introduction to Nonprofit Management (3)

Government and Policy
(Select 1 of the following courses)
- *AEC 243 – Global Poverty and Sustainable Development (3)
- *AEC 250 – Introduction to Environmental Economics and Policy (3)
- *AEC 251 – Introduction to Agricultural & Food Economics (3)
- *AEC 253 – Environmental Law, Policy & Economics (4)
- *AEC 351 – Natural Resource Economics and Policy (3)
- *AGRI 411 – Introduction to Food Systems: Local to Global (3)
- NR 201 – Managing Natural Resources for the Future (3)
- NR 202 – Natural Resource Problems and Solutions (3)
- NR 312 – Critical Thinking for Natural Resource Challenges (3)
- NR 325 – Scientific Methods for Analyzing Natural Resource Problems (3)
- *PS 201 – Introduction to US Government and Politics (4)
- *PS 205 – Introduction to International Relations (4)
- *PS 331 – State and Local Politics (4)
- *PS 458 – International Political Economy (4)
- PS 461 – Environmental Political Theory (4)
- PS 470 – Global Food Politics and Policy (4)
- PS 475 – Environmental Politics and Policy (4)
- *PS 476 – Science and Politics (4)
- PS 477 – International Environmental Politics and Policy (4)
- PS 478 – Renewable Energy Policy (4)
- *SUS 304 – Sustainability Assessment (4)
- *SUS 350 – Sustainable Communities (4)

Ecology & Sustainability Ecosystems Courses (Meets Synthesis Requirements)
(Each course must be from a different department)

Contemporary Global Issues
(Select 1 of the following courses)
- *AEC 351 – Natural Resource Economics & Policy (3)
- *AEC 352 – Environmental Economics and Policy (3)
- *BI 301 – Human Impacts on Ecosystems (3)
- CROP 330 – World Food Crops (3)
- *FES 365 – Issues in Natural Resources Conservation (3)
- *FW 325 – Global Crises in Resource Ecology (3)
- *GEOG 300 – Sustainability for the Common Good (3)
- *GEOG 330 – Geography International Development & Globalization (3)
- *HORT/ENT 331 – Pollinators in Peril (3)
- *SUS 350 – Sustainable Communities (4)
- *Z 349 – Biodiversity: Causes, Consequences & Conservation (3)

Science, Technology and Society
(Select 1 of the following courses)
- *ANS 315 – Contentious Social Issues in Animal Agriculture (3)
- *ANS/FES/SOC 485 – Consensus and Natural Resources (3)
- *BI/Z 348 – Human Ecology (3)
- *BOT 324 – Fungi in Society (3)
- *CH 374 – Technology, Energy, and Risk (3)
- *ENGR 350 – Sustainable Engineering (3)
- *ENGR 363 – Energy Matters (3)
- *ENSC 479 – Environmental Case Studies (3)
- *FES/TOX 435 – Genes and Chemicals in Agriculture: Value and Risk (3)
- *FST 421 – Food Law (3)
- *FW/HSTS 470 – Ecology & History: Landscapes Columbia Basin (3)
- *GEOG 300 – Sustainability for the Common Good (3)
- *GEOG 340 – Introduction to Water Science and Policy (3)
- *HORT 330/ENT 331 – Plagues, Pests, and Politics (3)
- *HST 481 – Environmental History of the United States (4)
- *HSTS 421 – Technology & Change (4)
- *NUTR 312 – Issues in Nutrition & Health (3)
- *PH 313 – Energy Alternatives (3)
- *PHL 325 – Scientific Reasoning (4)
- *PS 476 – Science & Politics (4)

Grade Requirements

Students pursuing a major or minor in horticulture are required to receive a grade of C– or better in all HORT (horticulture) and PBG (plant breeding and genetics) courses that are required for completion of their major and option, or minor. If a grade below C– is received in a HORT or PBG course required for their major and option, or minor, a student will need to retake the course and receive a grade of C– or better. If the grade below a C– was received for a course that is part of a group of courses where the student can select which courses to take (i.e., they do not need to take all of the courses, just a specified number of courses or credits) then it would be acceptable for the student to substitute a course for the one that they had received a grade below a C–. For example, in most of our options, a student needs to complete three of four plant identification courses. If a student received a grade lower than a C– in one of the classes, they could either retake the same course or complete the other three courses with a grade of C– or better.