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 241 – Lifetime Fitness or PAC (1)
- Foreign Language (if deficient; waived for pre-1997 HS graduates)

Perspectives
(No more than 2 courses in one department)
- Cultural Diversity
- Literature/Arts
- Social Processes
- Western Culture
- 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)
(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)

(Horticultural Electives)
- CH 121 – General Chemistry (5) or CH 231 – General Chemistry (4)
  and CH 261 – Laboratory for Chemistry 231 (1)
- CH 122 – General Chemistry (5) or CH 232 – General Chemistry (4)
  and CH 262 – Laboratory for Chemistry 232 (1)
- CH 123 – General Chemistry (5) or 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)

- 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 316 – Plant Nutrition (4)

Option: Sustainable Horticultural Production

Term Entering: __________________________
From: __________________________

Experiential Learning
- HORT 403 or 410 – Thesis/Internship (6-12)
- HORT 412 – Career Exploration: Internships & Research Projects (1)

Option Requirements

Plant Materials
(Select 2 of the following courses)
- BOT 311 – 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)
- CH 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 480 – Case Studies in Cropping Systems Management (4)
- 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)

Orientation
- HORT 112 – Introduction to Horticultural Systems, Practices, & Careers (2)
**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)*
- *BB 350 – Elementary Biochemistry (4)*
- *BI 370 – Ecology (3)*
- *BOT 341 – Plant Ecology (4)*
- *CROP 330 – World Food Crops (3)*
- *CH 331 – Organic Chemistry (4)*
- *CH 332 – Organic Chemistry (4)*
- *CH 337 – Organic Chemistry Lab (4)*
- *FST 421 – Food Law (3)*
- *FST 477 – Agroforestry (3)*
- *FW/HSTS 470 – Ecology & History: Landscapes Columbia Basin (3)*
- *GEOG 300 – Sustainability for the Common Good (3)*
- *GEOG 330 – Geography International Development & Globalization (3)*
- *HORT/ENT 331 – Pollinators in Peril (3)*
- *HORT 406 – Projects: Data Presentations (1)*
- *HST 421 – Technology & Change (4)*
- *PS 202 – General Physics (5)*

**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)*
- *AEC 351 – Natural Resource Economics & Policy (3)*
- *AEC 352 – Environmental Economics and Policy (3)*
- *BB 350 – Elementary Biochemistry (4)*
- *BI 370 – Ecology (3)*
- *BOT 341 – Plant Ecology (4)*
- *CROP 330 – World Food Crops (3)*
- *CH 331 – Organic Chemistry (4)*
- *CH 332 – Organic Chemistry (4)*
- *CH 337 – Organic Chemistry Lab (4)*
- *FST 421 – Food Law (3)*
- *FST 477 – Agroforestry (3)*
- *FW/HSTS 470 – Ecology & History: Landscapes Columbia Basin (3)*
- *GEOG 300 – Sustainability for the Common Good (3)*
- *GEOG 330 – Geography International Development & Globalization (3)*
- *HORT/ENT 331 – Pollinators in Peril (3)*
- *HORT 406 – Projects: Data Presentations (1)*
- *HST 421 – Technology & Change (4)*
- *PS 202 – General Physics (5)*

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.