Horticulture Degree Checklist

Name: ________________________________
ID: ________________________________
Entering Status: _______________________

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

Writing/Health
- WR 121 – English Composition (3)
- WR II (3)
- COMM (3)
- Writing Intensive (HORT 318) (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)
- Cultural Diversity
- Literature/Arts
- Social Processes
- 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 – 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, or MTH 245 (4)
- BI 211 – Principles of Biology (4)
- BI 212 – Principles of Biology (4)
- BI 213 – Principles of Biology (4)
- CH 121. General Chemistry (5)
- or 231 – General Chemistry (4) and CH 261 Laboratory for Chemistry 231 (1)
- CH 122. General Chemistry (5)
- or 232 – General Chemistry (4) and CH 262 Laboratory for Chemistry 232 (1)
- CH 123. General Chemistry (5)
- or 233 – General Chemistry (4) and CH 263 Laboratory for Chemistry 233 (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 (4)

Experiential Learning
- HORT 403 or 410 – Thesis/Internship (6-12 cr)

Ecology
- HORT 318 – Applied Ecology of Managed Ecosystems (WIC) (3)

Technology
(Select 1 course)
- AG 391 – Farm Implements (3)
- GEO 301 – Map & Image Interpretation (4)
- GEO 365 – Intro. to Geographic Information Systems (4)

Writing Intensive
- HORT 318 – Applied Ecology of Managed Ecosystems (WIC) (3)

Capstone
- HORT 300 – Crop Production in Pacific Northwest Agroecosystems (4)
- HORT 495 – Horticultural Management Plans (3)

Option: General Horticulture
Term Entering: _______________________________

Option Requirements

Horticultural Science
- HORT 111 – Introduction to Horticultural Crop Production (2)
- HORT 112 – Introduction to Horticultural Systems, Pract. & Careers (2)
- HORT 301 – The Biology of Horticulture (3)
- HORT 311 – Plant Propagation (4)
- HORT 316 – Plant Nutrition (4)
- HORT 412 – Career Exploration (1)

Plant Materials
(Select 3 of the following courses)
- BOT 440 – Field Methods in Vegetation Science (4)
- HORT 226 – Landscape Plant Materials I (4)
- HORT 228 – Landscape Plant Materials II (4)
- HORT 255 – Herbaceous Ornamental Plant Materials (3)
- HORT 433 – Systematics & Adaptation of Vegetable Crops (4) alt. year
- RNG 353 – Wildland Plant Identification (4)

Horticultural Production & Management
(Select 3 or more of the following courses, 9 credits min.)
- CROP 310 – Forage Production (4)
- ENT 300 – Plagues, Pests, and Politics (3)
- ENT 322 – Honeybee Biology & Beekeeping (3)
- ENT 440 – Issues in Insect Toxicology (3)
- HORT 260 – Organic Farming/Gardening (3)
- HORT 285 – Permaculture Design & Theory (4)
- HORT 300 – Crop Production in Pacific Northwest Agroecosystems (4)
- HORT 314 – Principles of Turfgrass Maintenance (4)
- HORT 319 – Restoration Horticulture (3)
- HORT 349 – Diagnosing Plant Problems (3)
- HORT/FES 350 – Urban Forestry (3)
- HORT/FES 447 – Arboriculture (4)
- HORT 451 – Tree Fruit Physiology & Culture (4)
- HORT 453 – Grapevine Growth & Physiology (3)
- HORT 454 – Principles/Practices Vineyard Production (3)
- HORT 495 – Horticultural Management Plans (3)

Business Management
(Select 1 of the following courses)
- AREC 211 – Management in Agriculture (4)
- BA 215 – Fundamentals of Accounting (4)
- BA 260 – Introduction to Entrepreneurship (4)
- BA 463 – Family Business Management (4)

Government and Policy
(Select 1 of the following courses)
- AREC 253 – Environmental Law, Policy & Economics (4)
- FS 492 – Ecosystem Services Ecology, Sociology & Policy (3)
- HORT 455 – Urban Forest Planning, Policy & Mgmt (4)
- PS 201 – Introduction to US Government & Politics (4)
- PS 205 – Intro. to International Relations (4)
- PS 331 – State and Local Government and Politics (4)
- PS 475 – Environmental Politics and Policy (4)
- PS 476 – Science & Politics (4)

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

Science, Technology & Society (Select 1 of the following courses)
- ANS 485 – Conservation & Natural Resources (3)
- ANTH 481 – Natural Resources and Community Values (3)
- AREC 352 – Environmental Economics & Policy (3)
- CSS/SOIL 395 – World Soil Resources (3)
- ENSC 479 – Environmental Case Studies (3)
- FW 350 – Endangered Species, Society & Sustainability (3)
- GEO 335 – Introduction to Water Science & Policy (3)
- HST 481 – Environmental History of the U.S. (4)
- HSTS 421 – Technology & Change (4)
- HSTS 470 – Ecology & History: Landscapes Columbia Basin (3)
- WGSS 440 – Women and Natural Resources (3)
Contemporary Global Issues (Select 1 of the following courses)

________ AREC 351 – Natural Resource Economics & Policy (3)
________ CROP 330 – World Food Crops (3)
________ FES 365 – Issues in Natural Resource Conservation (3)
________ FW 325 – Global Crises in Resource Ecology (3)
________ GEO 300 – Sustainability for the Common Good (3)
________ PHL 443 – World Views & Environmental Values (3)
________ SOC 480 – Environmental Sociology (4)

Total Units (need 180) __________

Upper Div. Units (need 60) ________

Research Track (optional)

________ MTH 251 – Differential Calculus (4)
________ MTH 252 – Integral Calculus (4)
________ ST 351 – Introduction to Statistical Methods (4)

(Select 3 or more from the following courses)

________ BB 350 – Elementary Biochemistry (4)
________ BI 370 – Ecology (3)
________ CH 331 – Organic Chemistry (4)
________ CH 332 – Organic Chemistry (4)
________ MB 230 – Introductory Microbiology (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 re-take 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 re-take the same course or complete the other three courses with a grade of C– or better.