B.S. in Horticulture at Oregon State University – Curriculum

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 24_ – 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

(Perspectives

(No more than 2 courses in one department)

______ Cultural Diversity _____________________________________________________
______ Literature/Arts ____________________________
______ Social Processes (PSY 201 or PSY 202)
______ 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)

Option Requirements

Option:

Therapeutic Horticulture

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 courses from the following)

______ HORT 226 – Landscape Plant Materials I (4)
______ HORT 228 – Landscape Plant Materials II (4)
______ HORT 251 – Temperate Tree Fruit, Berries, Grapes, & Nuts (2) alt. year
______ HORT 255 – Herbs & Ornamental Plant Materials (3)
______ HORT 433 – Systematics & Adaptation Vegetable Crops (4)
______ HORT 318 – Applied Ecology of Managed Ecosystems (WIC) (3)

Technology

______ HORT 380 – Sustainable Landscape Design (3)

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 Science & Technology

(Select 2 courses from the following)

______ ENT 322 – Honey Bee Biology & Beekeeping (3)
______ HORT 260 – Organic Farming/Gardening (3)
______ HORT 285 – Permaculture Design & Theory: Certificate Course (4)
______ HORT 314 – Principles of Turfgrass Maintenance (4)
______ HORT 315 – Sustainable Landscapes: Maint., Conserv., Restor. (4)
______ HORT/FES 350 – Urban Forestry (3)
______ HORT 351 – Floriculture & Greenhouse Systems (4) alt. year
______ HORT 358 – Landscape Construction Techniques (4)
______ HORT 360 – Irrigation/Drainage (4)
______ HORT 361 – Plant Nursery Systems (4) alt. year

Horticultural & Social Sciences

______ HORT 270 – Introduction to Therapeutic Horticulture (2)
______ HORT 271 – Techniques & Adaptive Strategies (2)
______ HORT 272 – Basic Therapeutic Skills I (2)
______ HORT 273 – Basic Therapeutic Skills II (2)
______ HORT 274 – Therap. Hort. Older Adults/Children (2)
______ HORT 275 – Therap. Garden Design, Maintenance, Programming (2)
______ *PSY 201 – General Psychology (4)
______ *PSY 202 – General Psychology (4)
______ PSY 350 – Human Lifespan Development (4)
______ PSY 381 – Abnormal Psychology (4)

(Select 2 additional courses from the following)

______ HORT 276 – Therap. Hort. Older Adults/Children (2)
______ HORT 277 – Therap. Hort. Older Adults/Children (2)
______ HORT 278 – Therap. Hort. Older Adults/Children (2)
______ HORT 279 – Therap. Hort. Older Adults/Children (2)
______ PSY 350 – Human Lifespan Development (4)
______ PSY 381 – Abnormal Psychology (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)

Confirm coursework requirements for Professional Registration by the American Horticultural Therapy Association (AHTA) at http://ahta.org/professional-registration
All coursework must have a passing grade of C minus (C-) or above or a pass for a pass/fail course.

A 480 hour AHTA approved and supervised internship is also required for Professional Registration by the AHTA.

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)

- *AGRI 411 – Introduction to Food Systems: Local to Global (3)
- *ANS 315 – Contentious Social Issues in Animal Agriculture (3)
- *ANS/FES/SOC 485 – Consensus and Natural Resources (3)
- *Bi 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)
- *FES/NR 477 – Agroforestry (3)
- *FST 421 – Food Law (3)
- *FW 470 – Ecology & History: Landscapes Columbia Basin (3)
- *GEOG 300 – Sustainability for the Common Good (3)
- *GEOG 340 – Introduction to Water Science and Policy (3)
- *HEST 310 – Intro to Community Engagement/Comm.-Based Design (3)
- *HORT 330/ENT 300 – 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)
- *SOIL 395 – World Soil Resources (3)
- *SUS 304 – Sustainability Assessment (4)

Total Units (need 180)

Upper Div. Units (need 60)

* = Meets bacc core requirement

Research Track (Optional)

- HORT 406 – Projects: Data Presentations (1)
- MTH 251 – Differential Calculus (4)
- MTH 252 – Integral Calculus (4)
- ST 351 – Introduction to Statistical Methods (4)

(Select 3 of the following)

- BB 350 – Elementary Biochemistry (4)
- BI 370 – Ecology (3)
- BOT 341 – Plant Ecology (4)
- CH 331 – Organic Chemistry (4)
- CH 332 – Organic Chemistry (4)
- CH 337 – Organic Chemistry Lab (4)
- MB 230 – Introductory Microbiology (4)
- PH 201 – General Physics (5)
- PH 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.