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 246 – 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)

(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)

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)

Major Core:
General Science
_______ MTH 124, 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 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 – Principles of Biology (4)
_______ BI 212 – Principles of Biology (4)
_______ BI 213 – 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: General Horticulture

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 3 of the following courses)
_______ BOT 220 – Introduction to Plant Biology (4)
_______ BOT 440 – Field Methods in Plant Ecology (4)
_______ CROP 200 – Crop Ecology and Morphology (3)
_______ HORT 226 – Landscape Plant Materials I (4)
_______ HORT 228 – Landscape Plant Materials II (4)
_______ HORT 255 – Herbaceous Ornamental Plant Materials (3)
_______ RNG 353 – Wildland Plant Identification (4)

Horticultural Production & Management
(Select 6 or more of the following courses, 18 credits min.)
_______ AG 310 – Forage Production (4)
_______ AG 420 – Seed Science and Technology (3)
_______ AG 460 – Seed Production (3)
_______ ENT 322 – Honeybee Biology & Beekeeping (3)
_______ ENT 440 – Issues in Insect Toxicology (3)
_______ FES 445 – Ecological Restoration (4)
_______ 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: Maintenance, Conserve, Restore (4)
_______ HORT 319 – Restoration Horticulture (3)
_______ HORT 349 – Diagnosing Plant Problems (3)
_______ HORT/FES 350 – Urban Forestry (3)
_______ HORT 421 – Herbs, Spices, and Medicinal Plants (3)
_______ HORT/FES 447 – Arboriculture (4)
_______ HORT 456 – Physiology and Production of Berry Crops (4)
_______ HORT 485 – Advanced Permaculture Design Tools for Climate Resilience (3)
_______ PBB 450 – Plant Breeding (4)
_______ SOIL 388 – Soil Systems and Plant Growth (4)

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

Technology
(Select 1 course)
_______ AG 312 – Engine Theory & Operation (3)
_______ AG 391 – Farm Implements (3)
_______ AG 412 – Ag Safety and Health (3)
_______ FW 303 – Survey Geographic Info. Systs. In Natural Resource (3)
_______ GEOG 360 – Introduction to Geographic Information Systems (4)
_______ HORT 414 – Precision Agriculture (4)

Horticultural Communication
_______ HORT 318 – Applied Ecology of Managed Ecosystems (3) (WIC)

Capstone
(Select 1 course)
_______ HORT 300 – Crop Production in Pacific Northwest Agroecosystems (4)
_______ HORT 481 – Horticulture Production Case Studies (4)

Business Management
(Select 1 of the following courses)
_______ AEC 211 – Agricultural and Food Management (4)
_______ AEC 221 – Agricultural and Food Marketing (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 250** – Introduction to Environmental Economics and Policy (3)
- **___ AEC 253** – Environmental Law, Policy, & Economics (4)
- **___ FES 455/HORT 455** – Urban Forest Planning, Policy, and Management (4)
- **___ LEAD 342** – Team and Organizational Leadership (3)
- **___ LEAD 442** – Leadership Skills for Career Success (3)
- **___ PS 201** – Introduction to US Government & Politics (4)
- **___ PS 205** – Introduction to International Relations (4)
- **___ PS 331** – State and Local Politics (4)
- **___ PS 470** – Global Food Politics and Policy (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/FES/FW/SOC 485** – Consensus & Natural Resources (3)
- **___ ANTH 481** – Natural Resources and Community Values (3)
- **___ BI 348** – Human Ecology (3)
- **___ BOT 324** – Fungi in Society (3)
- **___ FES/TOX 435** – Genes and Chemicals in Agriculture: Value and Risk (3)
- **___ GEO 306** – Minerals, Energy, Water & the Environment (3)
- **___ GEOG 300** – Sustainability for the Common Good (3)
- **___ GEOG 340** – Introduction to Water Science & Policy (3)
- **___ HORT 330/ENT 300** – Plagues, Pests, and Politics (3)
- **___ HST 413** – Food in World History (4)
- **___ HST 481** – Environmental History of the U.S. (4)
- **___ MTH 251** – Differential Calculus (4)
- **___ MTH 252** – Integral Calculus (4)
- **___ MTG 351** – Introduction to Statistical Methods (4)
- **___ PS 476** – Science & Politics (4)

### Contemporary Global Issues

*(Select 1 of the following courses)*

- **___ AEC 351** – Natural Resource Economics & Policy (3)
- **___ AEC 352** – Environmental Economics and Policy (3)
- **___ CROP 330** – World Food Crops (3)
- **___ ECON 352** – Environmental Economics and Policy (3)
- **___ ECON 352** – Issues in Natural Resource Conservation (3)
- **___ FES 485** – Consensus and Natural Resources (3)
- **___ FW 350** – Endangered Species, Society & Sustainability (3)
- **___ GEO 306** – Minerals, Energy, Water & the Environment (3)
- **___ GEOG 300** – Sustainability for the Common Good (3)
- **___ HORT/ENT 331** – Pollinators in Peril (3)
- **___ PHL 440** – Environmental Ethics (3)
- **___ PHL 443** – World Views & Environmental Values (3)
- **___ PS 455** – The Politics of Climate Change (4)
- **___ SOC 420** – Environmental Sociology (4)
- **___ SUS 350** – Sustainable Communities (4)
- **___ Z 349** – Biodiversity: Causes, Consequences and Conservation (3)

### Research Track (optional)

- **___ MTH 251** – Differential Calculus (4)
- **___ MTH 252** – Integral Calculus (4)
- **___ MTG 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.