

THERAPEUTIC HORTICULTURE OPTION

This option is offered within the following major(s):

- Horticulture - College of Agricultural Sciences (<http://catalog.oregonstate.edu/college-departments/agricultural-sciences/horticulture/horticulture-bs-hbs>)

Horticultural therapy is a rapidly growing area of horticulture. The therapeutic benefits of garden environments have been understood and applied since ancient times. Horticultural therapy is recognized as a practical and effective treatment with wide-ranging benefits for people in therapeutic, vocational, and wellness programs. It is now taught and practiced throughout the world in a wide diversity of settings and cultures including mental health, physical rehabilitation, vocational services, corrections, long-term care and hospice, special education, and youth and community services. Horticultural therapists design garden spaces that accommodate people with a wide range of abilities and assist people with physical, emotional or mental disabilities in gaining skills, adaptations, and coping methods that enhance their lives.

Students in the Therapeutic Horticulture option graduate with a strong foundation in horticultural science and practices. In addition, they acquire the skills and knowledge needed to design healing and adapted gardens and to provide therapy programs used to improve the quality of people's lives.

- Confirm course work requirements for Professional Registration by the American Horticultural Therapy Association (AHTA) at <http://ahta.org/professional-registration>.
- All course work must have a passing grade of 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.

| Code | Title | Hours |
|------------------------------------|---|-------|
| Plant Materials | | |
| Select two of the following: | | 2-4 |
| HORT 226 | LANDSCAPE PLANT MATERIALS I: DECIDUOUS HARDWOODS AND CONIFERS | |
| HORT 228 | LANDSCAPE PLANT MATERIALS II: SPRING FLOWERING TREES AND SHRUBS | |
| HORT 251 | TEMPERATE TREE FRUIT, BERRIES, GRAPES, AND NUTS | |
| HORT 255 | HERBACEOUS ORNAMENTAL PLANT MATERIALS | |
| HORT 433/ CROP 433 | SYSTEMATICS AND ADAPTATION OF VEGETABLE CROPS | |
| Ecology | | |
| HORT 318 | *APPLIED ECOLOGY OF MANAGED ECOSYSTEMS | 3 |
| Technology | | |
| HORT 380 | SUSTAINABLE LANDSCAPE DESIGN | 3 |
| Horticultural Communication | | |
| HORT 318 | *APPLIED ECOLOGY OF MANAGED ECOSYSTEMS | 3 |
| HORT 407 | SEMINAR | 1 |
| HORT 411 | HORTICULTURE BOOK CLUB | 1 |
| Capstone | | |

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| HORT 481 | HORTICULTURE PRODUCTION CASE STUDIES | 4 |
| Horticultural Science and Technology | | |
| Select two of the following: | | 6-8 |
| ENT 322 | HONEY BEE BIOLOGY AND BEEKEEPING | |
| HORT 260 | ORGANIC FARMING AND GARDENING | |
| HORT 285 | PERMACULTURE DESIGN AND THEORY: CERTIFICATE COURSE | |
| HORT 314 | PRINCIPLES OF TURFGRASS MAINTENANCE | |
| HORT 315 | SUSTAINABLE LANDSCAPES: MAINTENANCE, CONSERVATION, RESTORE | |
| HORT 350/FES 350 | URBAN FORESTRY | |
| HORT 351 | FLORICULTURE AND GREENHOUSE SYSTEMS | |
| HORT 358 | LANDSCAPE CONSTRUCTION TECHNIQUES | |
| HORT 360 | IRRIGATION AND DRAINAGE | |
| HORT 361 | PLANT NURSERY SYSTEMS | |
| HORT 485 | ADVANCED PERMACULTURE DESIGN TOOLS FOR CLIMATE RESILIENCE | |
| Horticultural and Social Sciences | | |
| HORT 270 | INTRODUCTION TO THERAPEUTIC HORTICULTURE | 2 |
| HORT 271 | TECHNIQUES AND ADAPTIVE STRATEGIES IN THERAPEUTIC HORTICULTURE | 2 |
| HORT 272 | BASIC THERAPEUTIC SKILLS I | 2 |
| HORT 273 | BASIC THERAPEUTIC SKILLS II | 2 |
| HORT 274 | THERAPEUTIC HORTICULTURAL PROGRAMS FOR OLDER ADULTS/CHILDREN | 2 |
| HORT 275 | THERAPEUTIC GARDEN DESIGN, MAINTENANCE AND PROGRAMMING | 2 |
| PSY 201 | *GENERAL PSYCHOLOGY | 3 |
| PSY 202 | *GENERAL PSYCHOLOGY | 3 |
| SOC 204 | *INTRODUCTION TO SOCIOLOGY | 3 |
| PSY 350 | HUMAN LIFESPAN DEVELOPMENT | 4 |
| PSY 381 | ABNORMAL PSYCHOLOGY | 4 |
| Select two additional courses from the following: | | 7-8 |
| HDFS 311 | INFANT AND CHILD DEVELOPMENT | |
| HDFS 313 | ADOLESCENT DEVELOPMENT | |
| HDFS 314 | ADULT DEVELOPMENT AND AGING | |
| PSY 330 | BRAIN AND BEHAVIOR | |
| PSY 432 | PHYSIOLOGICAL PSYCHOLOGY | |
| PSY 433 | PSYCHOPHARMACOLOGY | |
| PSY 485 | BEHAVIOR MODIFICATION | |
| PSY 498 | HEALTH PSYCHOLOGY | |
| SOC 350 | HEALTH, ILLNESS AND SOCIETY | |
| SOC 432 | SOCIOLOGY OF AGING | |
| SOC 439 | WELFARE AND SOCIAL SERVICES | |
| SOC 440 | JUVENILE DELINQUENCY | |
| SOC 442 | SOCIOLOGY OF DRUG USE AND ABUSE | |
| Ecology and Sustainability Ecosystems Courses | | |
| Meets Synthesis requirements. Each course must be from a different department. | | |
| <i>Contemporary Global Issues</i> | | |
| Select one of the following: | | 3-4 |
| AEC 351 | *NATURAL RESOURCE ECONOMICS AND POLICY | |

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| AEC 352/ ECON 352 | *ENVIRONMENTAL ECONOMICS AND POLICY |
| BI 301 | *HUMAN IMPACTS ON ECOSYSTEMS |
| CROP 330 | *WORLD FOOD CROPS |
| FES 365 | *ISSUES IN NATURAL RESOURCES CONSERVATION |
| FW 325 | *GLOBAL CRISES IN RESOURCE ECOLOGY |
| GEOG 300 | *SUSTAINABILITY FOR THE COMMON GOOD |
| GEOG 330 | *GEOGRAPHY OF INTERNATIONAL DEVELOPMENT AND GLOBALIZATION |
| HORT 331/ ENT 331 | *POLLINATORS IN PERIL |
| SUS 350 | *SUSTAINABLE COMMUNITIES |
| WSE 470 | *FORESTS, WOOD, AND CIVILIZATION |
| Z 349 | *BIODIVERSITY: CAUSES, CONSEQUENCES, AND CONSERVATION |
| <i>Science, Technology and Society</i> | |
| Select one of the following: | 3-4 |
| AGRI 411 | *INTRODUCTION TO FOOD SYSTEMS: LOCAL TO GLOBAL |
| ANS 315 | *CONTENTIOUS SOCIAL ISSUES IN ANIMAL AGRICULTURE |
| BI 348 | *HUMAN ECOLOGY |
| BOT 324 | *FUNGI IN SOCIETY |
| CH 374 | *TECHNOLOGY, ENERGY, AND RISK |
| ENGR 350 | *SUSTAINABLE ENGINEERING |
| ENGR 363 | *ENERGY MATTERS |
| ENSC 479 | *ENVIRONMENTAL CASE STUDIES |
| FES 435/TOX 435 | *GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK |
| FES 477/NR 477 | *AGROFORESTRY |
| FES 485 | *CONSENSUS AND NATURAL RESOURCES |
| FST 421 | *FOOD LAW |
| FW 470 | *ECOLOGY AND HISTORY: LANDSCAPES OF THE COLUMBIA BASIN |
| GEOG 300 | *SUSTAINABILITY FOR THE COMMON GOOD |
| GEOG 340 | *INTRODUCTION TO WATER SCIENCE AND POLICY |
| HEST 310 | *INTRO TO COMMUNITY ENGAGEMENT AND COMMUNITY-BASED DESIGN |
| HORT 330/ ENT 300 | *PLAGUES, PESTS, AND POLITICS |
| HST 481 | *ENVIRONMENTAL HISTORY OF THE UNITED STATES |
| HSTS 421 | *TECHNOLOGY AND CHANGE |
| NUTR 312 | *ISSUES IN NUTRITION AND HEALTH |
| PH 313 | *ENERGY ALTERNATIVES |
| PHL 325 | *SCIENTIFIC REASONING |
| PS 476 | *SCIENCE AND POLITICS |
| SOIL 395 | *WORLD SOIL RESOURCES |
| SUS 304 | *SUSTAINABILITY ASSESSMENT |

Total Hours 65-72

* Baccalaureate Core Course (BCC)

^ Writing Intensive Course (WIC)

Option Code: 632

| Course | Title | Hours |
|------------------------|--|-------------|
| First Year | | |
| Fall | | |
| CH 121 | GENERAL CHEMISTRY | 5 |
| HORT 112 | INTRODUCTION TO HORTICULTURAL SYSTEMS, PRACTICES AND CAREERS | 2 |
| WR 121 | *ENGLISH COMPOSITION | 3 |
| Math Course | | 4 |
| | | Hours 14 |
| Winter | | |
| CH 122 | *GENERAL CHEMISTRY | 5 |
| COMM 211 | *COMMUNICATING ONLINE | 3 |
| SOIL 205 & SOIL 206 | SOIL SCIENCE and *SOIL SCIENCE LABORATORY FOR SOIL 205 | 4 |
| Perspectives Course | | 3-4 |
| | | Hours 15-16 |
| Spring | | |
| CH 123 | *GENERAL CHEMISTRY | 5 |
| HHS 231 | *LIFETIME FITNESS FOR HEALTH | 2 |
| HHS 241 | *LIFETIME FITNESS | 1 |
| PSY 201 | *GENERAL PSYCHOLOGY | 3 |
| Electives | | 2 |
| Writing II Course | | 3 |
| | | Hours 16 |
| Second Year | | |
| Fall | | |
| BI 211 | *PRINCIPLES OF BIOLOGY | 4 |
| PSY 202 | *GENERAL PSYCHOLOGY | 3 |
| Electives | | 0-3 |
| Perspectives Course | | 3-4 |
| Plant Materials Course | | 2-4 |
| | | Hours 12-18 |
| Winter | | |
| BI 212 | *PRINCIPLES OF BIOLOGY | 4 |

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| HORT 270 | INTRODUCTION TO THERAPEUTIC HORTICULTURE | 2 |
| HORT 316 | PLANT NUTRITION | 4 |
| HORT 318 | *APPLIED ECOLOGY OF MANAGED ECOSYSTEMS | 3 |
| Electives | | 2 |
| Hours | | 15 |

Spring

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| BI 213 | *PRINCIPLES OF BIOLOGY | 4 |
| HORT 271 | TECHNIQUES AND ADAPTIVE STRATEGIES IN THERAPEUTIC HORTICULTURE | 2 |
| PSY 350 | HUMAN LIFESPAN DEVELOPMENT | 4 |
| Electives | | 1-3 |
| Plant Materials Course | | 2-4 |
| Hours | | 13-17 |

Third Year

Fall

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| HORT 274 | THERAPEUTIC HORTICULTURE PROGRAMS FOR OLDER ADULTS/ CHILDREN | 2 |
| HORT 301 | GROWTH AND DEVELOPMENT OF HORTICULTURAL CROPS | 3 |
| HORT 380 | SUSTAINABLE LANDSCAPE DESIGN | 3 |
| Electives | | 3-4 |
| Perspectives Course | | 3-4 |
| Hours | | 14-16 |

Winter

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|-----------|---|----|
| BOT 331 | PLANT PHYSIOLOGY | 4 |
| HORT 273 | BASIC THERAPEUTIC SKILLS II | 2 |
| HORT 311 | PLANT PROPAGATION | 4 |
| HORT 412 | CAREER EXPLORATION: INTERNSHIPS AND RESEARCH PROJECTS | 1 |
| Electives | | 4 |
| Hours | | 15 |

Spring

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| ENT 311 | INTRODUCTION TO INSECT PEST MANAGEMENT | 4 |
| HORT 275 | THERAPEUTIC GARDEN DESIGN, MAINTENANCE AND PROGRAMMING | 2 |
| PSY 381 | ABNORMAL PSYCHOLOGY | 4 |
| Electives | | 1-2 |
| Social Science Course | | 3-4 |
| Hours | | 14-16 |

Fourth Year

Fall

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| BOT 350 | INTRODUCTION TO PLANT PATHOLOGY | 4 |
| CROP 440 | WEED MANAGEMENT | 4 |
| Perspectives Course | | 3-4 |
| Synthesis Course | | 3-4 |
| Hours | | 14-16 |

Winter

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| HORT 411 | HORTICULTURE BOOK CLUB | 1 |
| Electives | | 2-5 |
| HORT Science and Technology Elective | | 3-4 |
| Social Science Elective | | 3-4 |
| Synthesis Course | | 3-4 |
| Hours | | 12-18 |

Spring

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| HORT 407 | SEMINAR | 1 |
| HORT 410 | INTERNSHIP | 6 |
| HORT 481 | HORTICULTURE PRODUCTION CASE STUDIES | 4 |
| HORT Science and Technology Elective | | 4 |
| Hours | | 15 |
| Total Hours | | 169-192 |