

## **Course Titles that Support the AHTA Core Curriculum Topic Areas**

**Course descriptions and titles that fulfill the required core curriculum courses plus one elective in Plant Science:**

- Introduction to Horticulture: Course content includes an introduction to horticultural crops, understanding of environmental factors involved in production of horticultural crops, an overview of plant science, horticultural practices, and careers in horticulture.

Examples of courses in this area:

- Introduction to Horticulture
- Horticulture Science
- General Horticulture

- Plant Propagation: Course content includes an overview of the techniques, materials, and conditions necessary for plant propagation of the vegetative and sexual reproduction of herbaceous, woody, greenhouse, and interior foliage plants.

Examples of courses in this area:

- Plant Propagation
- Plant Propagation Methods
- Principles of Plant Growth, Plant Propagation, and Development

- Pest and Disease Plant Management: Course content includes an overview of the identification, diagnosis, and treatment of common pests and disease of horticultural crops, how to analyze symptoms, a discussion of treatment options, and cultural and preventive practices.

Examples of courses in this area:

- Integrated Pest Management
- Pest Management Principles and Practices
- Pest and Disease Plant Management

## **Electives:**

- General Plant Pathology: Course content includes an introduction to organisms and environmental conditions that cause plant disease, the methods and interactions between plants and the disease causing agent, and the role of plant disease in plant production.

Examples of courses in this area:

- General Plant Pathology
- Introduction to Plant Pathology
- Plant Pathology

- Greenhouse or Nursery Production/Management: Course content includes the management and production of foliage and floral crops in the field or greenhouse, environmental controls, cultural production, and an overview of different crops grown in the greenhouse.

Examples of courses in this area:

- Greenhouse Management
- Nursery and Greenhouse Management
- Nursery and Greenhouse Operations

- Landscape Design: Course content includes an introduction to landscape design elements, site analysis, practical solutions to landscape problems, and may include the construction of landscape structures, turf management, and irrigation systems.

Examples of courses in this area:

- Introduction to Landscape Design
- Landscape Design Techniques
- Landscape Construction and Design

- Plant Materials: Course content includes an overview of trees, shrubs, and groundcovers used in the landscape, identification of materials through form, color, texture, and habitat, and the uses for plant materials in the landscape design.

Examples of courses in this area:

- Landscape Plant Materials
- Herbaceous Plant Materials
- Plant Materials

- Soils: Course content includes an introduction to soil characteristics and their relationship to plant growth, the biological, chemical, and physical processes which occur in soil, soil management, and conservation of soils as natural bodies in the environment.

Examples of courses in this area:

- Soil Science
- Fundamentals of Soil Science
- Principles of Soil Science

### **Course titles that fulfill the required core curriculum courses plus one elective in Human Science:**

- General psychology: Course content includes an introduction to the traditional theories of psychology, the biological bases of behavior, development, learning, personality, cognition, perception, motivation, behavior disorders, and social psychology.

Examples of courses in this area:

- Introductory Psychology
- General Psychology
- The Science of Psychology

- Abnormal psychology: Course content includes the study of human behavioral disorders, the history, theories, etiology, assessment, diagnosis, treatment, and system of classification of psychological disorders.

Examples of courses in this area:

- Abnormal Psychology
- Abnormal Behavior
- Introduction to Abnormal Psychology

- Human lifespan development: Course content includes an overview of the major developmental theories in relationship to the social, emotional, cognitive and physical development of an individual from birth to end of life.

Examples of courses in this area:

- Human Growth and Development
- Human Development Across the Lifespan
- Human Life Span Development

### **Electives:**

- Counseling Theories: Course content includes an overview of the major theories in the field of counseling from theoretical, personal, functional and philosophical perspectives, and provides an introduction to basic counseling techniques.

Examples of courses in this area:

- Foundations of Mental Health Counseling
- Counseling Theories and Practice
- Introduction to Counseling Theories

- Aspects of Disabilities and Illnesses: Course content includes an introduction to the historical context of disability and society, to the psychological and social aspects of various types of physical, mental and social disabilities, and may cover aspects of universal design.

Examples of courses in this area:

- Psycho-Social Aspects of Disability
- Adults with Disabilities
- Medical Aspects of Disability

- Group Dynamics: Course content includes an overview of the dynamics and major approaches to group counseling, leadership styles and leading groups effectively, group membership, and the different types of groups.

Examples of courses in this area:

- Introduction to Group Dynamics
- Group Dynamics
- Group Counseling Theories and Procedures

- **Principles of Therapy:** Course content provides an introduction to effective communication skills, core counseling techniques, the theory of counseling interventions, and may include role playing, videotaping, and situational interviewing.

Examples of courses in this area:

- Interviewing and Counseling Skills
- Counseling Techniques
- Introduction to Counseling Theory and Practice

- **Human Anatomy/Physiology:** Course content includes the organization of the human body, how the body functions, anatomical terminology, the body's organs and systems, and may include an overview of human disease.

Examples of courses in this area:

- Anatomy and Physiology
- Human Anatomy
- Introduction to Anatomy & Physiology

- **Adult Development and Aging:** Course content includes an overview of theory in relationship to adult development and aging, the stages of adulthood through aging and end of life, and may include an overview of disease related to aging.

Examples of courses in this area:

- Psychosocial Aspects of Aging
- Psychology of Aging
- The Psychology of Adulthood and Aging