HORT 1000: Applied Horticulture and Plant Production

Graduates of this program obtain a Professional Development Certificate in *Applied Horticulture and Plant Production* from Carleton University. The program is offered to adults with high school equivalency and provides theoretical knowledge and practical skills in enriching and marketable areas that include plant husbandry, propagation of horticultural crops, greenhouse operations and managing nursery production facilities. The program will take place in the Carleton University greenhouse facilities from February to April (120 hours total over 10 weeks), and comprises 3 modules:

1) Plant Science – Mondays, 9 AM – 1:15 PM. Covers theory and practice of horticulture and plant production, including topics in plant anatomy, physiology, growth, reproduction, environmental responses, nutrition, and propagation.

2) Plant Propagation – Tuesdays, 9 AM – 1:15 PM. Develops knowledge and practical skills in horticultural crop production using both sexual and asexual propagation methods. Topics include seed propagation, cuttings, division, grafting, budding, and nursery production techniques.

3) Greenhouse Operations and Nursery Production – Wednesdays, 9 AM – 1:15 PM. Covers the theory and practice of greenhouse operation and managing nursery production facilities. Topics include greenhouse systems, crop production, environmental management, irrigation, fertility, pest management, and nursery operations.

For more information, please visit the Biology Department website at Carleton University https://carleton.ca/biology/

Cost: $2,000 +HST

Monday – Wednesday, from 9 AM – 1:15 PM*, February 8, 2027 – April 14, 2027

*All the displayed times are in the America/Toronto EST -05:00 time zone