

## Landscape Gardener (LGA) Apprenticeship Curriculum Mapping

### Program Curriculum

A collection of 15 CTS courses has been developed to align with the current Landscape Gardener Apprenticeship Course Outline. These courses, when combined, cover the First Period technical training content.

Alberta Apprenticeship Training Profile First Period	CTS Course Alignment to Apprenticeship First Period Topics	Assessment
Topic	CTS Course Number and Name	
<b>SECTION ONE – STANDARD WORKPLACE SAFETY, MATERIALS AND TOOLS</b>		
Apprenticeship Orientation	LGA3900: Apprenticeship Safety	
Workplace Health and Safety		
WHMIS		
Fire Safety		
Safe Work Practices		
Handling Hazardous Products		
<b>SECTION TWO – TOOLS, MACHINERY AND HYDRAULICS</b>		
Commercial Vehicles	LGA3405: Landscape Equipment	
Machinery Maintenance		
Engines		
Hydraulic Systems		
Tools		
<b>SECTION THREE – SOILS</b>		
Soil Formation	LGA3410: Soils 1	
Soil Components		
Soil Physical Properties		
Soil Chemical Factors		
Water Quality	LGA3415: Soils 2	
Soil Biological Properties		
Soil Sampling and Fertility		
<b>SECTION FOUR – PLANT IDENTIFICATION, USE AND MAINTENANCE</b>		
Plant Taxonomy	LGA3420: Plant Identification LGA3425: Plant Taxonomy	
Plant Use in the Landscape	LGA3430: Plants and Landscape	

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<b>SECTION FIVE – BOTANY</b>		
Cells and Tissues	LGA3435: Botany 1	
Stems		
Leaves		
Roots	LGA3440: Botany 2	
Flowers		
Fruit		
Plant Life Cycles		
<b>SECTION SIX – GREENHOUSE PRODUCTION AND ENVIRONMENT</b>		
Containers and Growing Media	LGA3445: Greenhouse Environment	
Greenhouse Environment		
Propagation		
Transplanting and Potting	LGA3450: Greenhouse Production	
Hardening Off		
Plant Health Problems		
Plant Handling	LGA3455: Greenhouse System	
Greenhouse Structures		
Environmental Control Systems		
<b>SECTION SEVEN – LANDSCAPE CONSTRUCTION AND MAINTENANCE FUNDAMENTALS</b>		
Site Preparation	LGA3460: Site Preparation	
Turf Selection and Installation	LGA3465: Turf	
Woody Plant Selection	LGA3470: Woody Plants	
Woody Plant Installation		
Pruning Fundamentals		
<b>CTS COURSES THAT ALLOW STUDENTS ADDITIONAL PRACTICAL TIME</b>		
	LGA3475: LGA Practicum A	
	LGA3480: LGA Practicum B	
	LGA3485: LGA Practicum C	
	LGA3490: LGA Practicum D	