

DISCOVER STEM CAREERS IN THE LANDSCAPE INDUSTRY

Did you know there are many STEM-focused career pathways in the lawn and landscape industry? Whether you have a passion for science, technology, engineering or math, you can do what you love – and pursue a rewarding, lifelong STEM career as a landscape professional.

Science is one of the most important aspects of the lawn and landscape industry. Understanding the trees, plants, shrubs and soil that surround people and properties requires a knowledge of science from landscape professionals.

LAWN CARE TECHNICIAN HORTICULTURIST

Diagnoses and treats problems in lawns through inspection and analysis

Cultivates and tends to plants in educational, research, corporate and commercial settings

SCIENCE



TECHNOLOGY



While some work by landscape professionals is done by hand, technology plays a critical role in landscape design, installation and management. Landscape professionals utilize cutting-edge tools, equipment and computer software regularly in their work.

LANDSCAPE MANAGER IRRIGATION AUDITOR

Utilizes cutting-edge technology, like robotic mowers or drones, to help landscapes flourish

Works with programmable smart irrigation systems to conserve water

Landscape professionals combine science, technology and art to design, develop and build landscapes. Landscape designers and architects bring outdoor spaces to life for families, businesses and communities, keeping form and function in mind.

ARCHITECT GREEN ROOF DESIGNER

Plans and designs attractive and functional landscapes using computer-aided programs

Determines slope of roof and loading capacity to design and install green roofs

ENGINEERING



Many landscape industry career pathways require strong mathematical skills. Landscape professionals are responsible for calculating material costs of the job and creating estimates for labor and equipment. Those who work in the field must be able to follow plan measurements to ensure projects run smoothly.

ESTIMATOR ACCOUNTANT

Calculates final material and job costs to present to the client

Tracks and communicates the financial position of the business

MATH

