

## **LMU Extension Courses: Science, Sustainability + Green Initiatives**

For more information on each course visit: <https://academics.lmu.edu/extension/programs/>

### **1) BUILDING ANALYST QUICK START**

The Building Analyst Quick Start online program was developed and written in partnership with nationally recognized building science experts. You'll learn about the principles of green buildings—from insulation to indoor air quality—as well as how to perform comprehensive building assessments.

### **2) GREEN SUPPLY CHAIN PROFESSIONAL**

The Certified Green Supply Chain Professional Online Training Program will give you the specialized knowledge to enable a company to achieve its environmental sustainability goals through global sourcing, materials management, procurement and buying, transportation and logistics, and new product development.

### **3) HOME INSPECTION**

The Home Inspection Online Training Program covers the principal components of home inspection procedures and processes. You'll learn how to create a home inspection report that will detail the home's condition, including the heating and cooling systems, the plumbing and electrical systems, the roof and siding, and the framing and foundation.

### **4) INDOOR AIR QUALITY MANAGEMENT**

Are you a facility manager, building engineer, or health and safety officer who wants to improve the indoor air quality of your building? Are you properly prepared to handle air quality complaints? Common mistakes can turn a small grievance into a wildfire of speculation and accusation.

In this Certified Indoor Air Quality Manager Online Training and Certification Program, you'll learn how to diagnose, resolve, and prevent indoor air quality (IAQ) complaints. You'll also establish a comprehensive IAQ plan specific to your buildings.

### **5) INDOOR ENVIRONMENTALIST**

Would you like to become a Certified Indoor Environmentalist (CIE)? This designation demonstrates that you understand how to create healthy homes and buildings by preventing, diagnosing, and resolving indoor environmental problems. This online program prepares you to pass the CIE examination through a series of video lectures on exam topics such as contaminants, health effects, building science, HVAC, equipment, assessments, mold

remediation, and industry standards and guidelines. The course also covers practice questions in detail and provides a practice examination to ensure you succeed at becoming a Certified Indoor Environmentalist.

## 6) PRINCIPLES OF GREEN BUILDINGS

The Principles of Green Buildings Online Training Program is designed to teach you the principles you must know in order to make buildings perform more efficiently. The program was developed and written in partnership with nationally recognized building science experts from Advanced Energy of North Carolina. The Principles of Green Buildings Online Training Program will also help prepare you for industry credentials for green building. Materials are included. This online certificate program is offered in partnership with major colleges, universities, and other accredited education providers.

## 7) SENIOR CERTIFIED SUSTAINABILITY PROFESSIONAL

The Senior Certified Sustainability Professional Online Training Program will prepare you for an exciting career as a leader in the green-collar economy. As a certified sustainability professional, you'll be responsible for setting the course and coordinating an enterprise's sustainability strategy. Millions of new jobs in this rapidly growing sector will be available to people who set themselves apart from the crowd by earning the professional credentials and skills they need to lead sustainable business practices.

## 8) SOLAR POWER PROFESSIONAL

In this online program, you'll learn the fundamentals of photovoltaic "PV" solar powered energy systems, gaining the knowledge you'll need for an entry level position with a dealer, installer, or other photovoltaic industry company.

## 9) WIND ENERGY PROFESSIONAL

Wind energy companies are growing exponentially to meet America's demand for clean, renewable, domestic energy. This entry-level Wind Energy Professional Online Training Program prepares you for a career in the wind energy industry. This online certificate program is offered in partnership with major colleges, universities, and other accredited education providers.