

Architecture, Engineering & Construction (AEC) Complete Course Library

Vector Solutions sets the standard for accredited online training and continuing education courses for the AEC industry. Vector offers online AEC courses to keep continuing education licenses & certifications up-to-date, to onboard new employees, help employees develop job skills, fulfill compliance-training requirements, and create a safer, healthier workplace.



Training Topics

- Communication Skills
- Architecture & Design
- Civil Engineering
- Codes & Standards
- Construction & Trades
- Electrical Engineering
- Green/Sustainable/LEED
- Health, Safety & Environment
- Home & Building Inspection
- Interior Design
- IT & Cybersecurity
- Land Surveying
- Landscape Architecture
- Mechanical Engineering
- Petroleum Engineering
- Professional Development
- Project Management

[Learn more here](#)

Credentials, Licenses & Accrediting Bodies Include but are not Limited to:

- American Institute of Architects (AIA)
- Board of Professional Engineers
- Construction Management Association of America - Certified Construction Manager (CCM)
- Green Building Certification Institute – GBCI – LEED Accredited Professional (AP O+M); LEED Green Associate (GA)
- Interior Design Continuing Education Council (IDCEC)
- International Code Council
- Landscape Architecture Continuing Education System (LA CES)
- National Association of State Contractor Licensing Agencies (NASCLA)
- Professional Engineer (PE) – Electrical, Mechanical, Fire, Plumbing & Civil
- Project Management Institute (PMI) – Project Management Professional (PMP®); Agile Certified Professionals (PMI-ACP®)

[Learn more here](#)

Why Vector Solutions?

Our online courses include live, instructor-led webinars for continuing education as well as online multimedia eLearning courses in SCORM format that feature 3D animations. Additional course features include:



Multi-language Translations

Our courses are translated into 40+ different languages



Train on Any Device

With our mobile optimized content that adapts to the layout of your learners' devices



View Courses Anywhere

With variable bitrate technology automatically adjusts video quality to limit buffering



Access What You Need When You Need It

With interactive transcript, making it easy to search and advance to selected topics



(AEC) Complete Course Library Popular Topics & Courses

Architecture

- Accessibility/ADA
- Bath Planning
- Building Systems for Designers
- Codes & Standards
- Cost Management
- Design-Build
- Energy Efficiency
- Historic Preservation
- Interior Lighting
- Space Planning
- Sustainable Design

Civil Engineering

Construction, Structural, Environmental, Geotechnical, Transportation, Water Resources

- Codes & Standards
- Concrete, Wood, Steel
- Design Build
- Energy Efficiency
- Engineering Ethics
- Environmental
- Geotechnology
- Highways, Streets, Traffic, Parking
- Hurricane Mitigation, Wind Design
- Land Development
- Liquefied Natural Gas
- Sediments, Erosion, Drainage
- Seismic
- Stormwater, Wetlands
- Structural Design
- Wastewater, Hazardous Waste

Codes & Standards

- American Society of Civil Engineers - ASCE
- American Concrete Institute - ACI
- American Society of Heating, Refrigerating, and Air-Conditioning Engineers -ASHRAE
- Americans with Disabilities Act - ADA

- Florida Advanced Building Code
- International Building Code - IBC
- International Fuel Gas Code
- International Mechanical Code – IMC
- International Plumbing Code - IPC
- National Electrical Code - NEC

Construction & Trades

Commercial/Residential Building, Electrical, Plumbing, HVAC

- Arbitration, Mediation, Claims
- Arc Flash, NFPA 70E
- Building Systems
- Codes & Standards
- Concrete
- Design Build
- Documentation
- Energy Efficiency
- Green Building
- HVAC/Refrigeration
- Indoor Air Quality
- Mold Remediation
- NEC
- Roofing Systems
- Wind Mitigation

Electrical Engineering

- Engineering Ethics
- Alternative Energy
- Arc Flash, NFPA 70E
- Codes & Standards
- Data Centers
- Electric Motors
- Energy Efficiency
- Lighting
- Microgrids
- NEC
- Power Generation & Distribution
- Solar/Photovoltaics
- Transformers

Green/Sustainable/LEED

- Alternative/Renewable Energy
- Codes & Standards
- Energy Efficiency
- Fitwel
- Flooding, Water Pollution
- Green Design/Building
- Green Globes
- ISI Envision Rating System
- LEED v5: Key Changes and Implications
- LEED v5: Green Building Materials and Resources
- LEED v5 Certification Process
- LEED v5 for Building Design and Construction (BD+C) Advanced Strategies
- LEED v4 Interior Design & Construction - ID&C
- Sustainable Trends

Health, Safety & Environment

- CPR/First Aid
- Bloodborne Pathogens
- Confined Space
- Crane/Forklift Safety
- Driving Safety
- Electrical Safety, Arc Flash, NFPA 70E
- Ergonomics/Back Safety
- Fall Protection
- Fire/Emergency
- Hazardous Materials/Communication
- HAZWOPER 8-Hour Refresher**
- Ladders/Scaffolds
- Microlearning**
- Mold, Lead, Asbestos
- Office Safety
- OSHA 10-Hour Construction **
- Personal Protective Equipment
- Respiratory Protection
- Safety Case Studies**

**Microlearning, Safety Case Studies, OSHA 10-hour General Industry, OSHA 30-hour Construction, HAZWOPER 24-hour and HAZWOPER 40-hour available for an additional fee.

(AEC) Complete Course Library Popular Topics & Courses (Cont.)

Home & Building Inspection

- Accessibility/ADA
- Codes & Standards
- Florida Advanced Building Code
- Report Writing

Interior Design

- Accessibility/ADA
- Building Systems for Designers
- Codes & Standards
- Drawing Shortcuts
- Furniture Design
- Green Design
- Interior Lighting
- Space Planning

IT & Cybersecurity

- Client Support
- Cloud
- Cybersecurity
- Network
- Server

Land Surveying

- Boundary Disputes
- Court Decisions
- Easements
- Ethics for Land Surveyors
- Metes & Bounds

Landscape Architecture

- Accessibility/ADA
- Codes & Standards

- Green Landscape Design
- Irrigation
- Parking Lot Design
- Regenerative Landscape Design
- Road Alignment
- Site Engineering
- Soils
- Stormwater Management

Mechanical Engineering

- ASHRAE
- Codes & Standards
- Electric Motors
- Energy Conversion
- Engineering Ethics
- Fuel & Combustion Systems
- HVAC
- Indoor Air Quality
- Mechanical Science
- Pipes & Pumps
- Refrigeration

Petroleum Engineering

- Engineering Ethics
- Fuel & Combustion Systems
- Liquefied Natural Gas
- Liquid Process Piping
- Natural Gas
- Petroleum Exploration, Recovery, and Transportation
- Petroleum Instrumentation and Measurement

Professional Development

- Communication, Presentations
- Advanced Project Management Series
- AEC Success Series
- Customer Service
- Cyber Security
- Financial Management
- Health & Wellness
- HR Compliance – Sexual Harassment Prevention, FMLA, Discipline, Hiring, Termination, etc.
- Leadership, Coaching
- Management
- Process Improvement
- Quality Control
- Sales, Business Development
- Violence in the Workplace
- Word, Excel, PowerPoint, Outlook

Project Management

- Budgets
- Communication/Leadership
- Contracts
- CPM Scheduling
- Delivery Systems, Design Build
- Documentation/Reports
- Microsoft Project
- Planning/Scheduling
- Quality Control
- Risk Management
- Time Management

Work with an *award-winning eLearning provider* that offers breadth of industry-specific and skills-specific eLearning courses within one library.



Brandon Hall Excellence
in Learning - 2022



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