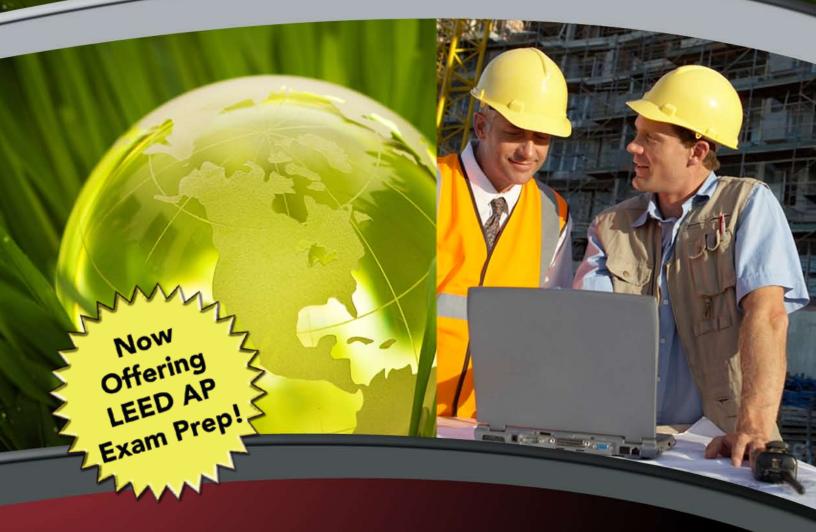
2010 Course Catalog

SIMPLE * CONVENIENT * RELEVANT

Easily meet your continuing education requirements while keeping up on the latest industry topics with the leader in online education for the A/E/C industry.





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What Is Included in the Exam Prep?

Our comprehensive exam preparation materials include the following for each exam:

- Downloadable Study Guide (PDF)
- Practice Exam Simulator
 & Online Terms Quiz
- Flashcards (electronic and printable)
- Helpful Study Resources

RedVector is a Registered Education Provider with the AIA and USGBC.



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Two Urban Centre 4890 West Kennedy Boulevard Suite 740 Tampa, Florida 33609 U.S.A. Toll Free: 800.471.5174

LEED AP Exam Prep

Plus the University of Tennessee Certificate in Sustainable Design and Green Buildings

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With more than 2,400 hours of online education developed and available, we are the trusted education leader in the design and construction industry – so let us help you study for one of the most important exams of your career, the LEED AP Exam. We offer 16 different options for studying and testing your LEED and sustainable design knowledge – including our exclusive University of Tennessee Certificate in Sustainable Design and Green Buildings. Plus, easily meet your Green Associate education requirement with one of our customized Green Associate Qualification Course Bundles!

New from RedVector LEED AP Prep Courses



Exam Prep Options Made Easy

We have made it simple to identify the education that is right for you by organizing your options by exam:

- Green Associate
- Building Design and Construction
- Interior Design and Construction
- Building Operations and Maintenance
- New Homes

University of Tennessee Certificate in Sustainable Design and Green Buildings + Exam Prep of Your Choice

These bundles come with our best-selling Certificate Program designed by the University of Tennessee College of Architecture and Design. The Level 1 Certificate is a 10-course series for 25 hours. It provides you significant knowledge of sustainable design and green building techniques while reviewing topics measured in the LEED AP Exam. Every course is delivered in a highly engaging and interactive online educational format. Included in the package are exam prep resources, giving you a winning combination that covers all angles!

LEED Green Associate Qualification Certificate

This all-inclusive certificate and test prep bundle provides you with everything you need to qualify and begin preparation for the LEED Green Associate Exam. Included in this bundle is a 10-hour interactive online training course that is specifically designed for professionals looking to learn about green building principles. Upon the successful completion of this course you will receive a certificate that meets the Green Building Certification Institute's education program requirement for the LEED Green Associate Exam.

About RedVector

Our committed team of creative professionals is dedicated to the belief that knowledge is the most powerful tool available for helping people enrich their lives, meet their goals, and achieve greater success.

Our course library boasts more than 1,100 essential and interactive

offerings that cover continuing education requirements and corporate training. We are expanding quickly in volume and scope by integrating new industries and teaching technologies. All of our courses are developed to meet state board and professional organization requirements. They are authored by

more than 100 exclusive subject matter experts. So far, more than 130,000 architects, engineers and contractors have chosen to bolster their knowledge and meet their continuing education requirements by taking RedVector courses.

RedVector's course designers are committed to providing the best resources and presentations. Our client services department employs a staff of full-time educational advisors to help clients meet online educational needs. The enterprise division works with corporate entities to develop customized in-house offerings.

RedVector's clientele includes individual licensees as well as large corporations. Strategic relationships with professional organizations such as the National Society of Professional Engineers (NSPE), the American Society of Civil Engineers (ASCE), the American Institute of Architects (AIA), American Society of Interior Designers (ASID), the International

www.redvector.com

Interior Design Association (IIDA), the American Institute of Constructors (AIC), and others have helped clinch RedVector's reputation as the undisputed primary choice for topquality career education.

RedVector's enthusiasm and uncompromising integrity has been

widely acknowledged in hundreds of trade magazines, newspapers and industry journals. The company was declared one of TampaBay's Best Places to Work 2006 by the *Tampa Bay Business Journal*.

RedVector's obligation to our clients does not stop with our impressive course library and course features. We

provide full continuing education services which, at the forefront, include timely reporting to state licensing boards and professional organizations (where required). We work with almost 200 licensing and certification bodies and report completed course hours to 25 boards on a regular basis. RedVector sets the standard for excellence and innovation in online education for the engineering, architectural, interior design, construction, land surveying, building inspection and landscape architecture industries.

In addition, RedVector's dedicated research staff tracks and maintains information on the licensing and certification rules and requirements for all of our licensed professions, making us experts on license renewal and continuing education issues. Our educational advisors are all trained to be able to help our clients pick out the right courses for their renewal every time, and provide support when questions arise.

Founded in October 1999, RedVector. com has grown from a modest idea for filling a growing need to a multinational venture that attracts over a million unique visitors annually from 50 states and 22 countries. RedVector is focused on providing the best client experience possible and has developed its continuing education services to support this core driver. Call toll-free today to experience RedVector for yourself – 1-800-457-3586.







Green Building and Sustainable Design **Courses**

Alternative Construction

Adobe and Cob Bamboo Earthen Finishes Light Clay & Straw-Bale Natural Building, Codes & Regulations Natural Conditioning Rammed & Modular Earth Structural Properties

Daylighting

Fundamentals

Occupant Productivity, Glazing
Properties, & Electric Lighting
Design Tools
Daylighting in Design

Designing for Sun, Wind, & Light

Analysis Techniques
Strategies for Building Groups
Strategies for Building Parts
Strategies for Buildings
Strategies for Supplementing Passive
Systems
,

Green Building Materials

Introduction Product Selection & Specification

Green Design

Introduction to Indoor Environmental Air Quality
Introduction to Integral Sustainable Design Theory
Introduction to Sustainability and Measurement Systems
Introduction to Sustainable Design Materials and Resources
Introduction to Sustainable Sites
Introduction to Sustainable Water Systems I
-

Green Infrastructure

Introduction to High Performance Guidelines Best Practices for Site Assessment Best Practices for Pavement Best Practices for Utilities Best Practices for Stormwater

Management Best Practices for Landscape

Regenerative Landscape Design

Solar Heating & IAQ Sustainability Water

.....

..... **Stormwater**

Stormwater Harvesting: A Green Concept
Stormwater Management: An
Introduction
Stormwater Management: Low Impact
Development (LID)

Sustainable Design

<u>A Primer</u>
An Integrated Process
Masonry
Materials
Brick Masonry
Energy

Clean Energy: Recycled Energy Technologies Renewable Energy Generation Renewable Sources of Energy: Wind Power Solar Electric Generation: Technologies

Additional Green Building

8 additional courses in Green Building & Sustainable Design, including:

- Greening of Healthcare Materials
- Historic Preservation: Energy » Conservation
- Residential Green Building (2 courses)

Professional **Development**

Leadership Challenge

What Leaders Do Model the Way Inspire a Shared Vision Challenge the Process Enable Others to Act Encourage the Heart

Management Skills

A Manager's Guide to Performance Appraisals Stress & Change Management for Design and Construction Professionals The Art & Science of Delegation Coaching for Better Performance Role of the New Supervisor Rewards, Recognition & Motivation Leadership for Managers & Supervisors How To Handle Customer Conflict Employee Satisfaction Understanding the Hispanic Construction Worker Team Building Series (5 courses)



Motivating and Mentoring - A Profit Center Motivating Employees: Getting the Most from Your Team Managing Generation X..... Performance Indicators for Managing

Maintenance

Personnel Administration

Personnel: EEO, Sexual Harassment, & Other Issues Sexual Harassment: Respecting the

Individual

Understanding Organizational Change (3 courses)

Ethics

Ethical Decision Making for Engineers (4 courses)



Shelters



Ethics for Florida Building Inspectors
Ethics for Land Surveyors: Decision-
Making in Everyday Practice
Ethics for Professional Architects (3
<u>courses)</u>
Ethics for Surveyors and Mappers

The Ultimate Project Manager

The Changing PM Role

Managing Your Time Managing Project Studies & Reports Managing Design &

Managing Design a		
Construction Phases	A20.	
Managing Quality		
Managing Risk		
Financial Management		
Project Management	1	
Technology		
Controlling Project	ATOMEN.	
Budgets & Schedules		
Project Close-Out		
Managing the Proposal		
The Agreement		
The Project Management	Plan	
The Project Schedule		
The Project Budget		
Managing The Project Te	am	
Managing The Client		
The Project Start-Up		
Additional Project		

Management

A/E's, Owners, & Contractors: Managing Projects to Success
CPM Scheduling (4 courses)
Developing & Managing a Project Budget
Productive Project Meeting
Methodology for Architects and Engineers
Project Decision Making with Case Studies
Project Management Basics
Project Management for Florida Contractors
Project Management Trends
Project Management: Professional Techniques
Project Risk Management

Project Team Management **Financial Management**

Negotiating Contracts
Pricing for Profits, Generating Cash and Getting Paid
Accounting & Cash
Strategic Planning & Budgeting
Financial Controls, Monitoring &
Project Budgeting
Controlling Labor Costs
Financial Management

Accounting for Basic Financials for

Time Management

7 Steps to Mastering Time
Tactical Time Management: An
Advanced Course
ABCs of Managing Time & Effort: The
80/20 Way
ABCs of Goals
Time Management for Designers
Communications
Quick Writing Tips

Effective Communication Basic Report Writing Effective Public Effective Writing Skills for Business and Industry Business Communications: Effective Email **Business Communications: Effective** Meetings **Business Communications: Effective** Professional Presentations Business Communications: Letters Communicating with International Contractors



Business Writing (3 courses) Presentation Skills (2 courses) Technical Specifications Writing
AIA's Essentials of Cost
Management
Building Economics
Cost Management Methodology
Cost-Estimating Methodology
Cost-Estimating Tools
Mathematics
Algebra for Engineers (2 courses)
Algebra for Engineers & Others (2 courses)
Cost Estimating: Fundamentals
Data Quality Assessment
Statistical Analysis
Statistical Analysis of Random Errors
Data Validation
Finance & Accounting for the Non-
Financial Manager
Basic Construction Math
EXCEL for Engineers and Scientists:
Calculations

Excel: Proposal Preparation & Analysis or Engineers and Architects

Business Ownership & Consulting

Pricing as a Professional Launching a Successful Start-

Up Business: Entrepreneurial Basics Professional Liability (2 courses) Running Your Own **Consulting Business:** Getting Started Running Your Own **Consulting Business:** Revenue & Profit

From Project Manager to Principal (4
<u>courses)</u>
Ownership Transition: Designing &
Starting the Program
Ownership Transition: Determining
Options & Candidate Selection
Ownership Transition: Firm Value
Managing a Buyout Program





Change Orders Purchasing Land Surveyors

ABCs of Time, Goals & Purpose: The Big

Picture	F
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nced Course	E
of Managing Time & Effort: The	<u>(</u>
Way	E
of Goals	<u>f</u>
Management for Designers	E
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Quick Writing Lips Relations



Marketing Your Consulting Services (2 courses) Winning Proposals (4 courses) Business Reality Check: Pitfalls on the Path to Prosperity Liability & Risk	
Court Decisions – Case Studies (12 courses) Professional Standard of Care - Proof & Defense Understanding Workers' Compensation for Employees Understanding Workers' Compensation for Employers	
Giving a Deposition Tort Liability & Risk Management - Bicycle and Pedestrian Design Risk Management for the Design Professional (3 courses) Additional Insurance, Liability	

& Risk

29 additional courses in insurance, liability & Risk Management

Construction Management

Construction Arbitration (4 courses)
Construction Liens & Bonds
Construction Mediation: (3 courses)
Construction Paperwork
Understanding Construction Claims

Additional Professional Development

Over 35 additional Professional Development courses, including:

- Basic Blueprint
 Reading &
 Related Math
- Partnering
 for Design &
 Construction Projects
- » Patent Protection Basics
- » Quality Management
- » Reliability Engineering Fundamentals
- » Safety: Developing an Employee Safety Orientation Program
- » Stress & Change Management for Design and Construction Professionals

Safety

OSHA Standards

OSHA Safety: Drilling OSHA Safety: Introduction to Powered Industrial Trucks	
OSHA Safety: Stairways and Ladders	
OSHA Standards on Steel Erection	
OSHA Concrete and Masonry	
Construction	
OSHA Cranes, Derricks, Hoists,	
Elevators & Conveyors	
OSHA Demolition	
OSHA Electrical	
Regulations	
OSHA Fatal Accidents	
& Prevention	
OSHA Fire Protection	
& Prevention	
OSHA Pressure Vessel	
Chemical Cracking	
OSHA Recordkeeping:	
General Recording Criteria	
OSHA Safety: Hazard Communication	
OSHA Safety: Lead	
OSHA Safety: MDA	
OSHA Safety: Medical Services	
OSHA Safety: Spray Booths	
OSHA Signs, Signals & Barricades	
OSHA Tools - Hand and Power	
OSHA Underground Construction	
OSHA Welding and	

Toxic Mold

The Genesis of Toxic Mold Toxic Mold Detection, Prevention, & Remediation Toxic Mold: Managing the Legal & Insurance Risks Toxic Mold: Regulations & Liability Issues Mold Remediation in Schools & Commercial Buildings

Fire Safety

Fire Part 1 - Workplace Fire Hazards &



Preventing Fires Fire Part 2 - Fire Protection Equipment & Techniques Fire Safety Design: Egress & Extinguishing Systems Fire! Designing Means of Escape Fire Prevention Basics

and Design

Construction Safety

Back Safety: Protection and Treatment Basics
NDA Drilling Safety Guide (2 courses)
Electrical Part 1 - Fundamentals,
Materials & Equipment Grounding
Electrical Part 2 - Hazardous Location,
Clearances & Safety Practice
Machine Operation
Material-Handling
Trades
Welding (2 courses)
Working with Chemicals
Storm Safe Homes: Building a Safe
Room
Personal Protective Equipment (*S)
Developing an Employee Safety
Orientation Program
Arc Flash Hazard Analysis - The Basics
Asbestos Management
Asbestos: What Is It and Who Should
Remove It?
Emergency Management Guide
Hazardous Waste: The Basics
Hazardous Waste: Treatment



	By & Caught Between
	Accidents
Personal Prote	ctive Equipment
Scaffolds	
	er Hoists
Power Tools	
Materials Hanc	lling & Storage
Demolition	
	nmunication

Cutting

Program

Introduction to OSHA

Electrical Safety

Fall Protection, Struck-

OSHA 10 Hour Card

Medical Waste Stream: Identification and Handling

Preventing and Investigating Accidents

Radon & New Homes Radon Measurements Safety - An Introduction Site Safety Risk and Liability Underground Natural Gas Storage: Basics

Construction

Concrete

Evaluation and Causes of Damage
Concrete Additives: Water-Repellency
& Efflorescence Control in Masonry
Concrete Evaluation & Repair
Concrete Fundamentals: An
Introduction
Self-Consolidating (SCC)
Prestressed Concrete - An
Introduction
CSDA's Basics of Concrete, Diamonds
& Diamond Tools

Masonry Design

Cementious Masonry Units
Clay and Ceramic Products
Foundation and Retaining Walls
Installation and Workmanship
Natural Stone
Structural Masonry

National Drilling Association

NDA Groundwater Knowledge -Certification NDA Monitor Well Construction -Certification

Roofing

Roofing Materials - Asphalt Shingles
Roofing Materials - Concrete Tiles
Roofing Materials - Flexible
Membranes
Runoff Analysis using the USGS
Method - Tennessee
Roofing - Flexible Membrane Wind
Load Design

Plumbing

Plumbing: Dental Offices & Working Drawings



Plumbing: Lead Work, Silver Brazing & Soft Soldering Plumbing: Lift Stations, Pipes, Vents, Drain Lines & Septic Systems Plumbing: Tips, Tricks and Tools PVC Pipe - Which type should I use?

Wood Design

Beam Design Behavior of Structures Under Loads & Forces Design Loads (3 courses) Properties of Wood & Lumber Grade Structural Glued Laminated Timber National Electrical Code 2005 NEC Changes (19 courses)

2005 NEC Changes (19 courses) 2008 NEC Changes (20 courses)

Florida-Specific

FL Building Code 2004 (3 courses) FL Statutes Ch. 489 (3 courses) Florida Building Code 2007 (4

courses)

Florida Engineers' Laws and Rules

[V.08] Florida Workers' Compensation Law Florida: Building Inspector's Laws & Rules Florida: MTS for Surveyors [V.07]

Risk Free Guarantee



Don't worry. If you don't like a RedVector course, we'll refund it or get you a new one.

Management & Soft Skills

Please see the section titled Professional Development for these courses.

Additional Construction

Over 30 additional Construction courses, including:

- » Deck Building (2 courses)
- » Heavy Construction Equipment Basics (2 courses)
- » Insulated Concrete Forms: Today's Building Blocks
- » Insurance for Construction Defects
- » Interior Codes (9 courses)» Mechanical Design: Heating,
- Wechanical Design: Heating,
 Ventilating, and Air-Conditioning
 Plumbing: Tips, Tricks and Tools
- » Plumbing: Tips, Tricks and
 » Professional Painting
- Residential Construction for Coastal Areas
- » Swimming Pools (3 courses):
- Wind Mitigation Methodology: Retrofits for Existing Homes
- Window Installation (3 courses)

Architecture & Design

Historic Preservation

Accessibility

An Introduction

Concrete and Terra-Cotta

Exterior Additions and Substitutions



Rehabilitating Interiors Roofing for Historic Buildings

Green Building & Sustainable Design

Please see the section titled Green Building for these courses.

Computer-Aided Design

Beginning CAD R2005 (9 courses) Beginning CAD R2006 (9 courses) Beginning CAD R2007 (8 courses) Beginning CAD R2008 (8 courses) Building for Colleges &

Universities

Academic Buildings
Athletic / Recreation Facilities
Campus Planning
Housing
Libraries and Learning Centers
D the first Constant in the second

Building for Senior Living

Acoustics & Lighting		
Alzheimer's & Congregat	e Care	
Continuing Care & Active	e Adult	
Communities		
Geriatric Med & Adult Day Care		
Long-Term Care &		
Assisted Living	and a state	
Structural, Mechanical,	Instation	
Plumbing & Fire	Terrer Terret Color Spine	

Plumbing & Fire **Building Pathology**

	termine were read	
An Introduction	The Second Second	
Columns and Walls	Contract and the second	
Foundations	Allowith Mathematic	
Freeze-Thaw Cycling		
Materials Pathology		
Members and Connections		
Parapets & Decks		
Rising Damp & Salt Decay		
Roofs		
Site Drainage Problems		
Thermal Movement, Corrosion, & the		
Ozone		
Walls and Thermodynamics		
Space Planning		

Space Planning

Barrier Free Design
Design Fundamentals
Design Methodology
Furniture and Furnishings
History and Overview
Security Issues
Timber Bridge Design
Understanding Foundation Flood
Vents: Liability
Brick Masonry

Brick Masonry

Moisture Control in Brick Masonry
Movement Joints in Brick Masonry
Manufacturing and Specifying of Clay
Brick Masonry
Flashing for Brick

Feng Shui

Elements, Relationships, and Cycles of Time
Life Map
The Basics
Instanten Linkstone

Interior Lighting

Perception & Psychology
Brightness & Color
Daylight
Incandescent & Discharge Lamps

..... Light Control & Photometrics Electricity



Luminaires Design American National Standard Practice for Office Lighting Lighting Calculations Lighting Fixtures and Energy Efficiency Essential Lighting:

The Language, Metrics & Process of Lighting Design

Indoor Air Quality

Humid Climate Issues HVAC Systems & Common Measurements

Introduction, Diagnosing & Mitigating

Building Systems for Designers

Heating and Cooling Systems Security and Communication Systems The Big Picture Thermal Comfort Water and Wastes

Additional Architecture & Design

Over 35 additional Architecture and Design courses, including

- A Wetland Primer (2 courses) Basic Civil Engineering (2 »
- courses)
- Coastal Engineering (3 courses) »
- Fair Housing Accessibility »
- Homeland Security (3 courses)

- Noise Mitigation Through Design
- Psychology of Color »
- Responsible Outdoor Lighting »
- Signage for Architects, Interior Designers and Landscape Architects
- Site Planning and Design

Roads & Parking Lots

Asphalt & Pavement

Introduction to Superpave and Materials Selection
Superpave Mixture Volumetrics
SuperPave: Aggregates & Mixtures
SuperPave: Binders
SuperPave: Introduction
SuperPave: Mix Design
Concrete Pavement Rehabilitation -
Diamond Grinding
Concrete Pavement Rehabilitation -
Full Depth Repair
Concrete Pavement Rehabilitation -
Partial Depth Repair
Concrete Pavement: Glass Fiber
Reinforced Polymers
Airport Pavements (3 courses)
Poodway Design

Roadway Design

Better Roadway Design - Curbs & Pedestrian Control Devices



Better Roadway Design - Curvature & Passing Zones Better Roadway Design - Intersection Signalization Better Roadway Design - Intersection Signing Better Roadway

Design - Intersections Better Roadway Design - Lane Assignment, Signals & Lighting Preparing Infrastructure Plans for Roadways Highway Rumble Strips Highway Engineering Series (9 courses)



Parking Lot Design

Storm Drain Design

Lighting
Parking Demand
Parking Geometrics
Surface Lot Functional Design
Traffic Impact & Site Access
Design of Detention Ponds for Parking
Lots
Additional Readman Courses

Additional Roadway Courses

10 additional Roadway courses, including:

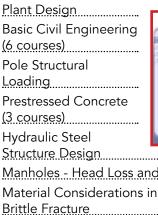
- Basic Civil Engineering Asphalt »
- Traffic Calming »
- Bridge Inspection and » Maintenance

Engineering

Civil Engineering

Pumping Stations Series (6 courses) Open Channel Hydraulics (4 courses) Subsurface Utility Engineering (2 <u>courses)</u>

Advanced Wastewater Treatment



Structure Design
Manholes - Head Loss and Sizing
Material Considerations in Steel -
Brittle Fracture
Excavation Safety and Shoring/OSHA
Driven Piles: (5 courses)
Earthquakes: The Basics
Retaining Wall Design (2 courses)

Risk Free Guarantee



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Additional Civil Engineering

Over 30 additional courses for Civil Engineering, including:

- Geotechnology: Cartography, Mapping and Map Serving
- Use of Steel in Design & Construction
- Basic Wind Loads I: ASCE 7-05 Revealed
- Computer Analysis of Structures »
- Concrete Evaluation & Repair »
- Construction Administration: MEP »
- Micropiles (3 » courses)
- Structural Analysis (3 courses)
- Performing MEP Commercial **Building Surveys**
- Tidal Hydraulics »
- Trenchless Methods: An Introduction
- Septic System Design
- Sludge Waste Incineration
- Solid Waste Disposal: On-Site Incinerators For Solid Waste

Environmental Engineering



Hurricane Damage: Wind vs. Water Determination Channel Restoration (3 courses) Common Indoor Air Quality (IAQ) Measurements Diagnosing and Mitigating IAQ Problems (3 courses)

Water Management

Drinking Water Treatment: Arsenic Removal



Onsite Wastewater Treatment -Disinfection Water Supply Systems in Buildings: The Basics Treatment System Selection EPA Onsite Wastewater Treatment (2 courses)

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Membrane Filtration (4 courses)
Onsite Wastewater Treatment (9
<u>courses)</u>
Basics of Industrial Wastewater
Treatment
Storm Water Treatment Using
StormFilter Sewage Lift Station Design
Storm Drain Inlets (4 courses)
Additional Environmental and
Water Management

Over 35 additional Environmental and Water Management courses, including:

- Runoff Analysis using the SCS » Method (2 courses) Runoff Analysis using the USGS » Method (4 state specific courses) Coastal Engineering: Tsunami » Basic Erosion & Sediment Control »
 - Drinking Water (3 courses) »
 - Managing Water Use in »
 - **Businesses and Homes**
 - Methods
 - Advanced Stormwater Treatment (2 courses)
 - Basics of Water Resources (2 ~ courses)
 - Constructed Wetlands Free Water Surface Wetlands

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Chemical Engineering

Cooling Towers
Basics of Industrial Heat Transfer
Making Decisions with Insulation
Pinch Technology
Pyrophoric Iron Fires
Statistical Process Control
Petroleuro Englis e quin a

Petroleum Engineering

Biomass Oil Analysis:	
Research Needs and	Lund Parts
Recommendations	
Liquid Process Piping	
- General Piping	traine and the
Design	- NEWS
Liquid Process Piping - Introduction and	Part restore The Liquid Process
Design Strategy	nn17
Gulf of Mexico OCS	
Oil and Gas Pipelines	
Liquefied Natural Gas - T	
Market	
MMS Case Studies - Offs	hore Oil &
Gas Safety Alerts	
Oil and Gas Drilling Tech	
Oil and Gas Well Pluggin	g in Texas
Texas Administrative Coc	le (TAC) -
Underground Injection Co	ontrol
US Code - Oil Pollution L	iability &
Compensation	-
Waste Minimization in the	e Oil Field
FEMA-Related	
FEMA Letters of Map Am	endment/
Revision	
Introduction to FEMA Flo	
Flood Studies	
Guide to Development ir	n FEMA's
Regulatory Floodway	
Guide to the FEMA Eleva	ation
Certificate	
Electrical Engineerin	a and
Analysis	0
Electrical Phase Converte	arc
Desis Electricity (2 serves	

Basic Electricity (2 courses)
Battery Applications
Capacitor Applications
Circuit Analysis (AC) (9 courses)
Circuit Analysis (DC) (12 courses)

Electric Motors (4 courses)
Electric Power (2 courses)
Electrical Characteristics of
Conductors
Electrical Conductor Sizing
Air Compressors
Electric Power Course series (3
<u>courses)</u>
Electrical Equipment: Specifying the

3-Phase Substation Transformer Economic Conductor Selection Electric System Reliability Indices **Overcurrent Protection** (2 courses) Overview of Electric Power Systems

Printed Circuit Board Basics Transformers (3 courses) Understanding Electric Rates

Additional Electrical **Engineering and Analysis**

Over 20 additional courses in Electrical Engineering and Analysis, including:

- Steam Turbines »
- Combustion Analysis
- Compressed Air Systems (2 » courses)
- Electrical Tools (2 courses)
- Introduction to Electronic **Component Packages**
- Medium Voltage Underground » Cables
- NEC Motor Circuits/Calculations » (2005)
- Computerized Maintenance Management Systems
- **Energy Conversion Analysis**
- Gas Turbine Performance » Enhancements
- Power Cycles Analysis »
- Preventive Maintenance
- **Electric and Magnetic Fields**

Additional Engineering

Over 30 additional courses for Engineers, including:

- Hot-Dip Galvanizing (3 courses)
 - Advanced Industrial Wastewater Treatment



- Material Science: Properties of » Metals
- **Energy Conversion Systems**
- Hurricane Mitigation: Design and Construction Lessons
- In Situ Remediation Technologies for Contaminated Soils
- Fuel Cell Power Systems
- Mechanical Characteristics of Conductors
- Sizing Electric Utility Service Entrance Equipment
- Voltage Regulator Application
- Mechanical Science: Heat Exchangers
- Plasma (Ion) Nitriding Level One

Full Course Listing

The courses listed here are representative of our full course catalog featuring approximately 1,100 courses.

The full, searchable catalog is available at www.RedVector.com.

You can request a file of our full course list by contacting us at 1-800-457-3586.

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Corporate Headquarters Two Urban Centre 4890 W. Kennedy Blvd. Suite 740 Tampa, FL 33609 1-800-457-3586



Risk Free Guarantee

Don't worry. If you don't like a RedVector course, we'll refund it or get you a new one.









More Information

Phone 800-471-5174 Internet green.building.RedVector.com Email Karen.Willis@RedVector.com

About the University of Tennessee College of Architecture and Design

Consistently ranked as one of the Best Southeastern Colleges by Princeton Review, the University of Tennessee College of Architecture and Design also was ranked the #2 program in Southern Universities by Design Intelligence. Certified by the National Architecture Accreditation Board, the faculty have received numerous national design awards and they currently serve on a wide variety of national boards and professional organizations.

Exclusively through RedVector, the University of Tennessee College of Architecture and Design offers the Online Certificate in Sustainable Design and Green Buildings.

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University of Tennessee College of Architecture and Design Online Certificate in Sustainable Design and Green Buildings

Acquire the Sustainable Design and Green Building Skills to Lead in Today's Environment!

Sustainable design is one of the world's most in-demand skill sets and one of the fastest growing professional disciplines. "Going green" is good for the environment and opens up a world of new design opportunities. In today's competitive job market, professionals like you are actively pursing continuing education and professional certification to put their careers on the right track, and businesses need these credentials to stand out from the competition and even to qualify for many projects.

The University of Tennessee offers a certificate to put you on the fast track to success. In a unique, online educational environment, you can earn the University of Tennessee Certificate in Sustainable Design and Green Buildings and gain the skills and credentials you need to implement sustainable design techniques in your projects.

THE UNIVERSITY of TENNESSEE LT CERTIFICATE OF COMPLETION	
has successfully completed the following contificate program.	
New min Generation	Gertificate Completion Date
Vettoria Dantella, vP of Contact Development Real Palacian com No. Registrer Provide # 2015 PJ. 09771 Approved Provide # 0010271 19772 Approved Provide # 020 URDEC Registreral Provide # 020 URDEC Registreral Provide # 020	C RedVector
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- Certificate issued by the University of Tennessee
- AIA & USGBC Registered Provider
- Industry-leading authors
- Theoretical & practical knowledge in sustainable design
- Help to prepare for the LEED AP Exam
- 100% Online

Enhance Your Career with a Certificate in Sustainable Design and Green Buildings

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Featured Author

Richard Kelso Professor

- P.E., NCEE, Ph.D.
- 32 years on faculty of the College
- 26 years managing a consulting engineering practice
- ASHRAE Board of Directors

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- AIA Education Honor Award: 1995
- Fulbright Fellowship: 2000
- AIA/Tides Foundation award: 2005
 14 years teaching at university
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