

ATC 20 Post Earthquake Safety Evaluation of Buildings



November 19, 2010
Fayetteville, Arkansas



Sponsored by
**Arkansas Department of Emergency
Management**

Instructed by
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Arkansas Electric Cooperative Corp.

About ATC 20

When earthquake disaster strikes a community, there is an immediate need for damage inspections throughout the affected areas. People need to be kept from using unsafe buildings, and safe shelter must be provided for those left homeless. It is essential that qualified building inspectors quickly identify structures that are safe for re-entry and those that must be avoided. Regular building inspection officials may become overloaded instantly and require additional help.

Under such emergency conditions, qualified volunteer inspectors, including architects, engineers, and building inspectors are needed from unaffected regions and certain other qualified design and construction professionals can provide help with the post earthquake safety evaluations. These volunteers will typically be activated through a pre-existing agreement with state and local emergency management officials.

Attendees of this course will receive inspector qualification training, experience to become a team member for inspecting earthquake damaged buildings, and a field manual to guide their future work. A panel of earthquake and structural experts and building officials has approved all training materials used in this course. During the course, procedures and documents are presented which promote uniformity in the rating of building damages so that different individuals examining the same building will arrive at the same conclusion about its relative safety.

Who Should Attend

Architects, professional engineers, building inspectors or skilled construction industry personnel with at least 5 years of verifiable general building design, construction, or inspection experience that are willing to volunteer as building inspectors after a disaster.

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**Central U.S.
Earthquake Consortium**



**Arkansas Electric
Cooperative Corp.**



Arkansas Section

Course Outline

This course will be instructed in a classroom style setting, although student interaction is welcomed and encouraged. Some of the topics that will be covered in the course are -

Earthquake 101 Review
Structural Basics
Steel Frame Structures
Concrete Structures
Wood Frame Structures
Masonry Structures
Non-Structural Hazards
Evaluation of Structures
Hazardous Materials & Field Safety
Discussion / Questions

Certificates of completion will be offered at the end of the course. Professional Development Hours will be offered to participants who are interested.

REGISTRATION FEES

There is no charge for this workshop. Materials are provided and include the ATC20-1 Field Manual for Inspectors.

Registration Information

Please pre-register for this course. Participant space is limited, and openings are on a first come, first serve basis. Please complete the online registration by November 9, 2010. <http://www.register.cusec.org>.

COURSE LOCATION

University of Arkansas
Engineering Research Center
700 Research Center Blvd.
Fayetteville, AR 72701
Phone: (479) 575-6407

COURSE INFORMATION

Course will begin at 8:00 a.m. and end at 4:00 p.m. Lunch is being provided free of charge to course participants. If you need directions to the course location, please call the number listed above.

SUGGESTED LOCAL HOTEL

Hampton Inn Fayetteville
915 Krupa Drive
Fayetteville, AR 72704
Phone: (479) 587-8300
Fax: (479) 587-8301
Please call ahead for rates & availability

FOR MORE INFORMATION

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