U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

FEDERAL ENERGY MANAGEMENT PROGRAM

FEMP Core Courses

- ***No cost***, **no travel, access 24/7**
- ***Online***, **open-access courses**
- ***Instructors*** **with Federal sector experience**
- ***In-depth*** **courses completed at your pace**

REGISTER NOW!

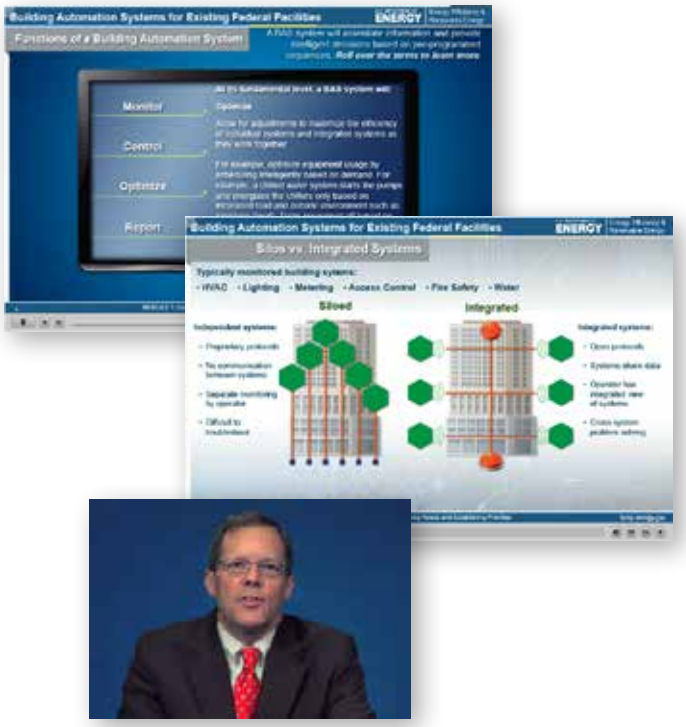
Building Automation Systems for Existing Federal Facilities

3.0 HRS
.4 FEMP CEUs

Learners will explore how to use Building Automation Systems to integrate existing HVAC, lighting, and other systems using normalized data and open communications protocols.

By completing this course you will have a demonstrated knowledge of:

- Applying GSA Smart Building Standards for open, converged, and normalized building automation;
- Integrating existing systems through open communication protocols;
- Making decisions on critical BAS functionality as it applies to: efficiency/cost cutting, indoor environmental quality, operations and maintenance, and safety and security;
- Identifying results-oriented objectives in development of an RFP;
- Developing a design plan including sequences of operations, control strategies, schematics, and points lists;
- Federal and industry standards and guidance related to BAS;
- Developing RFPs for BAS design and installation;
- Considering financing mechanisms for the BAS; and
- Maximizing the installed BAS to improve overall efficiency.



Instructor: Brad Gustafson
Program Manager of Customer Services
Federal Energy Management Program

Check out other FEMP Core Courses at

femp.energy.gov/training

FEMP Core Courses are designed for Federal energy and facility managers, but are open to all individuals at *femp.energy.gov/training*.
Hosted in partnership with the National Institute of Building Sciences Whole Building Design Guide at *http://www.wbdg.org/education/femp_ce.php*.

Requires Google Chrome, Firefox 4.0+, Internet Explorer 7.0+ or Safari, and the Adobe Flash 9+ plugin.
After completing a course evaluation and multiple-choice assessment, participants will receive a certificate of completion and FEMP Continuing Education Units. For more information contact Leslie.Nicholls@EE.DOE.Gov.

WBDG WHOLE BUILDING DESIGN GUIDE *a program of the* **National Institute of Building**

FEMP Federal Energy Management Program