

THADDEUS STEVENS COLLEGE OF TECHNOLOGY
WORKFORCE DEVELOPMENT & CONTINUING EDUCATION



BUILDING ENERGY TECHNOLOGY PROGRAM
Winter Schedule 2010

❖ **BET 210: Residential Building Energy and Environmental Systems:**
Monday; January 11, 2010, 6pm – 9pm

This three (3) credit course details energy systems and energy efficiency technologies utilized in single and multi-family residential building types. It covers systems design and installation in both new construction and retrofit projects. It introduces field auditing techniques, environmental impacts (indoor air quality, asbestos, lead, voc's, radon, waste disposal issues, etc.), worker health & safety considerations, ENERGY STAR certification, building commissioning procedures, and local regulatory requirements. An off-site visit to a residential "green" building/construction site will be scheduled as part of this course. Writing assignments, as appropriate for the discipline, are part of the course.

❖ **BET 220: Commercial, Industrial Building Energy and Environmental Systems**
Wednesday; January 13, 2010, 6pm – 9pm

This three (3) credit course covers the types of energy systems and energy efficiency technologies in use in commercial, industrial, and high-rise buildings. It includes design, installation, testing, assessment, and operation of technologies in these structures, and details the integration of system control components. It also encompasses a synopsis of environmental, health & safety for construction and post-construction activities, ENERGY STAR and LEED certification, other pertinent programs and regulatory aspects. An off-site visit to an institutional "green" building/construction site will be scheduled as part of this course. Writing assignments, as appropriate for the discipline, are part of the course.

For information or to register please call WDCE at 717-391-3543 or visit our website at www.stevenscollege.edu/workforcedevelopment