

Abstract Submitted
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Energy Experiments for STEM Students JOHN FANCHI, TCU —
Texas Christian University (TCU) is developing an undergraduate program that prepares students to become engineers with an emphasis in energy systems. One of the courses in the program is a technical overview of traditional energy (coal, oil and gas), nuclear energy, and renewable energy that requires as a pre-requisite two semesters of calculus-based physics. Energy experiments are being developed that will facilitate student involvement and provide hands-on learning opportunities. Students participating in the course will improve their understanding of energy systems; be introduced to outstanding scientific and engineering problems; learn about the role of energy in a global and societal context; and evaluate contemporary issues associated with energy. This talk will present the status of experiments being developed for the technical energy survey course.

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