

Powering Future Engines

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As part of CMU's summer academy for minority students (SAMS) the MRSEC supported a 30 hour, hands-on course entitled, Powering Future Engines. SAMS is a six-week residential program designed for African American, Hispanic and Native American high school juniors and seniors who are considering careers in engineering, science and other math-based disciplines. Traditional classroom instruction, along with creative "hands-on" projects allow students to apply concepts and principles. In the Powering Future Engines course, the students built and tested their own working solid oxide fuel cells and learned about energy conversion and applications of fuel cells in hydrogen powered vehicles.