

Undergraduates STEM Education: Students Leading the Way

Undergraduate STEM education should be a seamless group of disciplines to enable students develop an understanding of STEM in the context of the world around them, and become leaders in addressing problems that affect society. It is time to change the culture of STEM education from a set of isolated disciplines used for recruitment for higher studies and STEM workforce into an opportunity for developing STEM leadership potential in students essential to address the complex role of STEM in society. STEM from freshman to senior levels should undergo systemic reform integrating competencies necessary to address issues ranging from social justice to environmental pollution without compromising the rigor of discovery, design and innovation.