CEAS STEM Leadership Highlighted Once Again
By: Ashley Duvelius

The University of Cincinnati College of Engineering and Applied Science is being recognized once again for its leadership in promoting STEM education through its groundbreaking education programs.

The University of Cincinnati College of Engineering and Applied Science is being recognized for its leadership in promoting the growth and quality of STEM (Science, Technology, Engineering and Mathematics) education.

In an article released by US News & World Report titled “Two-for-One Deal: Earning College Credit for STEM in High School,” UC CEAS and Eugene Rutz (PhD and CEAS academic director) are cited for our novel dual enrollment program which allows local high school students to earn college engineering credit hours as it’s incorporated in their everyday classroom instruction using a flipped classroom model.

The dual enrollment program, which started in 2007 with four high schools, now includes 18 schools and over 500 students. Due to its major success of revolutionizing the engineering pedagogy, the UC program was named the winner in the Video in Education Scholarship category of the Sonic Foundry 2013 Rich Media Impact Awards.

Professor Rutz’ achievements are complimented by the groundbreaking work of his colleague, Anant Kukreti (PhD and CEAS Director of Engineering Outreach), who spearheaded and continues to lead the Cincinnati Engineering Enhanced Mathematics and Science Program (CEEMS) program. Kukreti and his multidisciplinary team spanning three colleges (CEAS, CECH, and A&S) collaborate to address and meet the growing demand for engineering-educated teachers with a goal of equipping teachers with the skills needed to provide students with opportunities to reach and surpass Ohio New Learning Standards for Science, Common Core Math Standards and the Next Generation Science Standards in addition to providing students with a universal skill set.

Thanks to the ongoing efforts of UC CEAS, Professor Rutz and Professor Kukreti, STEM education will continue to flourish in the 21st century.

Select for the US News & World Report article, “Two-for-One Deal: Earning College Credit for STEM in High School”
For more information on the CEAS Dual Enrollment Program, please visit:


http://ceas.uc.edu/news-1314/uc-brings-college-into-area-high-schools.html

For more information on the CEEMS Program, please visit:

http://ceas.uc.edu/special_programs/ceems/CEEMS_Home.html

http://ceas.uc.edu/news-1314/uc-engineering-stem-education-for-the-21st-century-.html