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## Miami University

Mechanical engineering seniors win national competition in Indianapolis this past spring, three Miami mechanical engineering technology students won a national design and performance competition, sponsored by Institute of Affordable Transportation, for a basic utility vehicle (BUV). Their three-wheeled vehicle was in competition with other BUVs from the University of Cincinnati, University of Dayton, Indiana-Purdue Indianapolis, Marquette University, Northern Illinois University, University of Missouri, Tri-State University, Sinclair Community College, Milwaukee School of Engineering and others. It took more than 3,000 hours of collective effort over the course of the 2004-2005 school year by senior student designers and builders Jim Bachmann, Vince Breidenbach, and Sean Reed. The Institute of Affordable Transportation sponsors this event in an effort to develop a simple, low-cost utility vehicle that can benefit low-income people in rural areas of developing countries. The complex specifications for the BUV included design, durability, speed, agility, cost, payload, safety and assembly time.



Miami University's winning BUV team includes seniors Vince Breidenbach, Sean Reed, and Jim Bachmann with Gary Drigel, their professor.