

LightSpeed Technologies, in connection with SkillsUSA, to provide Free On-Line Courses to Top winners of SkillsUSA Robotics and Automation Competitions

The Top 3 Teams of the Robotics & Automation Technology Competition will be given the opportunity to “connect” to the most up-to-date industry approved and endorsed Automation & Robotics *e-courses on line*. Students interested in a career in Automation & Robotics Technology will be provided the foundation skills for Industrial Automation & Robotics in the workplace.



As an added bonus for the high school student who wishes to pursue a college education or for the college student currently enrolled in classes, may also be eligible to receive academic credit as well. All of the LightSpeed

Manufacturing and Engineering e-courses have been approved and recommended for academic credit by the American Council on Education (ACE). For each e-course you successfully complete, you may be eligible to receive up to 1 academic credit through ACE participating colleges.



❖ Industrial Robotics

The Industrial Robotics course explains advantages and disadvantages of using robots along with a description of the classification systems used with robots. Robotic components such as actuators, tooling and control systems are examined. Robot programming, operations and interfacing are also discussed. The course ends with an explanation of the ANSI robotics safety standard, the components and control systems used in manufacturing automation.

❖ Fundamentals of Automation

The Fundamentals of Automation course explains the differences between fixed and flexible automation as well as examining the components and control systems used in manufacturing automation. Robotics and robot process applications are covered in detail.



SkillsUSA will provide LightSpeed with all National Medal winners' names and contact information. LightSpeed will contact students via e-mail so they may begin their on-line courses.

Students may have access to these courses 24/7 and work at their own pace at any location for up to 6 months. All courses must be completed by January 1.

To inquire on how you may receive academic credit through your selected college, please call ACE toll free at 1-866-205-6267, or e-mail Connie Gallagher/ E-Learning Manager at LightSpeed Technologies, @ cgallagher@lightspeedu.com with any questions you might have regarding this LightSpeed Scholarship offering.

LightSpeed Technologies, Inc. 10024 Office Center Ave., Suite 125, St. Louis, Mo 63128
PH: 314-843-9555 * Fax: 314-842-7661
www.lightspeed-tech.com