



June 2015

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## **About Stark State College**

Stark State is the sixth largest of Ohio's 23 public two-year colleges in the University System of Ohio. Offered are more than 230 associates degrees in business and entrepreneurial studies; education and human services; engineering, industrial and emerging technologies; health sciences; information technologies; liberal arts; math; and sciences. The college has 15,000+ students of which 520 are directly involved in energy savings, environmental studies and directly in HVACR courses. The college is on-campus with over 250 acres of facilities including advanced labs. Stark State College is located in Canton, Ohio.

### **PARTNERS IN ECONOMIC GROWTH AND DEVELOPMENT**

Well-respected in the community, Stark State College plays a vital role in the economic growth and development of the region through its strong tradition of providing educational and training services to employers and residents. The college also sponsors numerous business outreach programs.

SSC's community and business partnerships also are vital to the area. An on-campus partnership with LG Fuel Cell Systems, Inc. positions Stark State as a leader in supporting fuel cell research, development and commercialization, while our partnership with The Timken Co. in a wind energy technology center gives our students applied research and training opportunities. The new Oil & Gas Services Center (Fracking Center) is a leading edge facility. These collaborations also fuel economic development, creating new industries and jobs.

SSC is a leader in new sustainably progressive buildings to accommodate Stark State's rapid growth. The new LEED-certified Business and Entrepreneurial Studies building is 47,700-square-foot facility. The modern W.R. Timken Center on Technology houses the information technology and engineering technology programs.

In 2010, the U.S. Department of Education named Stark State College the fastest growing, public two-year college in the nation, with enrollment of 10,000 students or higher. Each year, about 85% of Stark State's graduates are employed upon graduation, the majority in their field.

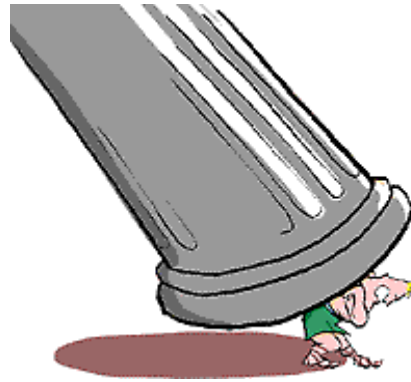
For more information please go to [www.starkstate.edu](http://www.starkstate.edu)

## Pillar I.



- Perform Commercial Refrigeration Surveys by SSC Students led by the Advanced Refrigeration Faculty to identify energy saving and environmentally sustainable opportunities at grocery, convenience stores and food services facilities.
- To assist those companies in applying for Utility Company Rebates for improvement projects identified.
- Specialized software is used to make energy evaluations.

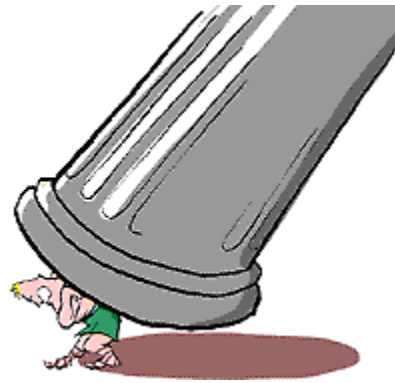
## Pillar II.



- Heartbreak Store Surveys are conducted by SSC Advanced Engineering Staff and Industry savvy Advisors with extensive field and controls experience. The Hbk Stores exist in every chain and have long been a burden to service contractors and in-house maintenance teams. Investments in metering and surveying tools and an extensive equipment performance data base make these surveys highly effective.

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## Pillar III.



- Teach our SSC HVACR and Environmental Studies Students: *Advanced Refrigeration* with an emphasis on *CO<sub>2</sub> Refrigeration*.

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## Pillar IV.



- Instruct Engineers, Store Design Specialists, Architects, Refrigeration Contractors, Maintenance Managers, Maintenance Technicians and Store Managers on the advantages of CO<sub>2</sub> as a refrigerant and the function of CO<sub>2</sub> Systems and Controls.
- Conduct Training on-campus or at company locations.

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## Process.



- Serve as a resource center on all matters that effect businesses involved in commercial refrigeration.
- Stay current on and serve as an interpreter on DOD, EPA and FDA edicts that affect commercial refrigeration.
- Strive to maintain a leadership role in evolving commercial refrigeration technology.
- Maintain a state-of-the-art CO<sub>2</sub> Refrigeration Curriculum that is neutral to any equipment or controls manufacturer.
- Establish Advanced Refrigeration labs that qualify as a Centers-of-Excellence in Advanced Refrigeration.

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## Consulting:

Advanced Refrigeration Staff Members available on new and Retrofit Transcritical and Subcritical CO<sub>2</sub> Projects from the Design through to the Commissioning Phase.

Example: Roche New Jersey Pilot  
System Design, Equipment & Supervision









Main Campus

