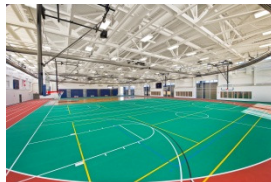


## SUNY Canton's Convocation, Athletic and Recreation Center (CARC)

*Innovative and high-performance design features significantly reduce energy consumption, conserve resources and improve indoor environmental quality.*



### Sustainable Sports at SUNY Canton

In 2012, SUNY Canton's Convocation, Athletic and Recreation Center (CARC) received LEED Silver certification from the [US Green Building Council](#) for its high-performing, energy efficient sustainable building design. This innovative facility boasts a state-of-the-art ice rink, gymnasium, lap pool, fitness center, staff offices, alumni suite and café for student-athletes and visitors to use. The modern, green architecture and multi-use design of the CARC enhances student life in many ways. Through its athletic programs, intramural activities and fitness classes, the Athletic Center fulfills a variety of needs for the campus community. It is a powerful example of Canton's commitment to community enhancement and a symbol of environmental sustainability.

### Environmental Innovations

*Utilizing green building design techniques meets SUNY's standards and makes the CARC a physical representation of Canton's engineering and sustainable technology programs.*

### Athletic and Recreation Center's Green Features

- High-performance thermal building envelope
- Green roof
- Rainwater harvesting system for recycled onsite use
- Water efficient landscape
- Low flow fixtures
- Energy recovery for pool unit
- Reduced interior lighting, occupancy sensors, & daylight dimming

### System Design Elements

- Water efficiency and reduction
- Innovative wastewater technologies
- Regional materials and products
- Recycled building materials
- Low-emitting materials
- Controllability of lighting and thermal comfort systems

## **Environmental and Educational Benefits**

- Minimizes fossil fuel dependence
- Lower campus carbon footprint
- Reduces waste sent to landfills
- Improves health and safety of occupants
- Offers a living laboratory for teaching and research opportunities
- Serve as a benchmark for the College

## **How Is U.S. Green Building Council LEED Silver Certification Determined?**

LEED is the nationally accepted benchmark for the design, construction and operation of high-performance green buildings. LEED certifications are awarded according to credits earned in several topic areas, such as: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, and innovation and design process.

A Silver distinction requires meeting stringent standards in these areas, as determined by the following point distributions for LEED NC v2:

- Certified 26–32 points
- Silver 33–38 points
- Gold 39-51 points
- Platinum 52+ points