

*Alfred State*

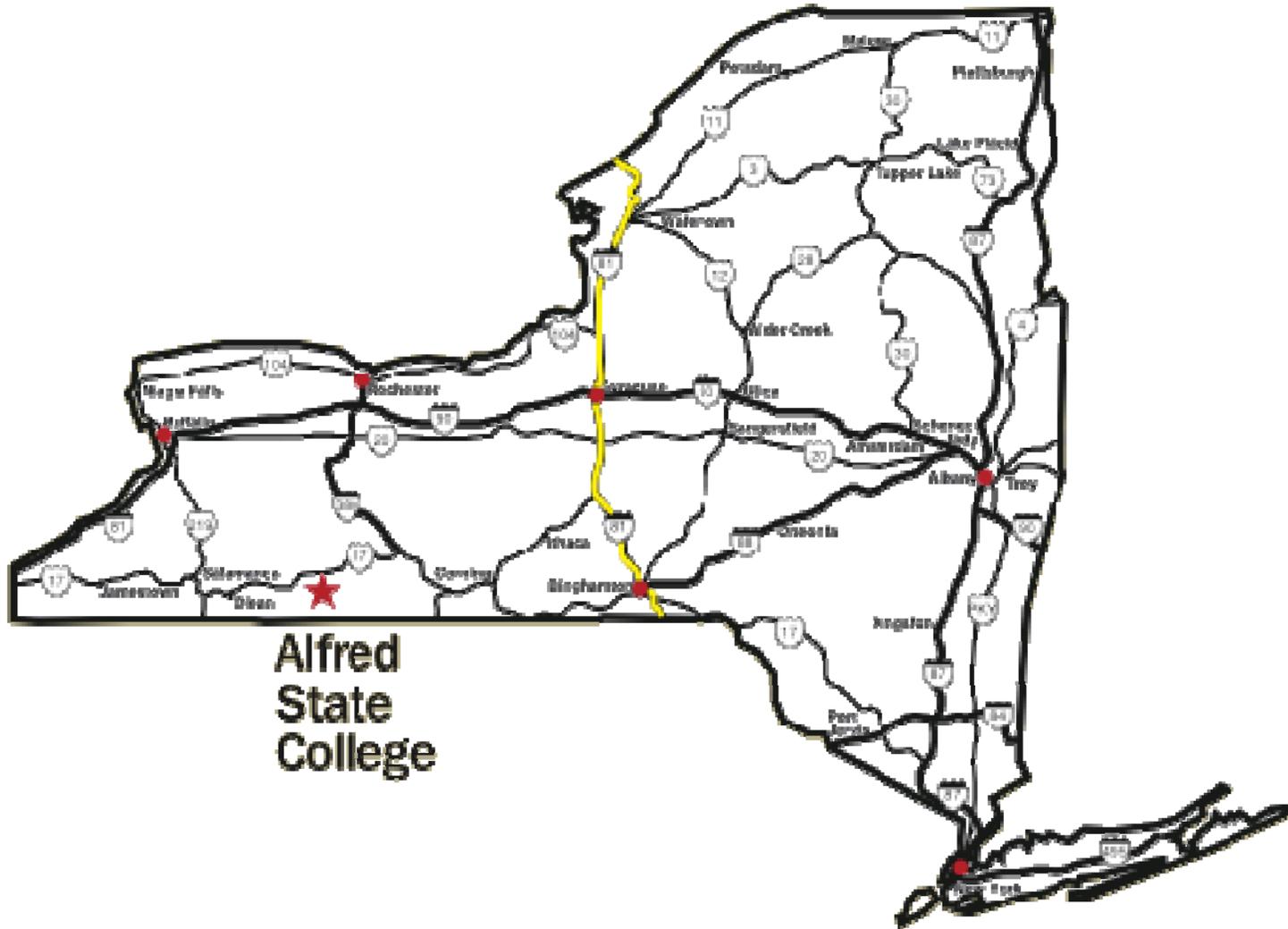
**SUNY College of Technology**

**Craig R Clark. P.E.  
Dean Applied  
Technology**



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# Quick Facts

**State University of New York**

**College Founded 1908**

**3,300 FTE Students - 170 Faculty**

**Comprehensive college of technology  
25% Bachelor – 75% Associate**

**99% placement rate**

**150 Acre Alfred – 30 Acre Wellsville Campuses  
900 Acre Farm**



## *What do we do?*

**Provide workforce-ready graduates that are in high demand (99% placement rate) for a wide variety technology-based enterprises.**

**Over 70 programs including**  
**Applied Technology**  
**Engineering Technology**  
**Allied Health**  
**Agriculture**



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# Where are we going?

**The Green Collar Industry:  
3-5 M jobs over the next ten years**  
*(Jerome Ringo, president of the Apollo Alliance)*



# Green programs



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# Alfred State College Institute for Sustainability

## Center for Organic and Sustainable Agriculture (COSA)



## Center for Renewable Energy



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## College wide Green Team

*Goal is to advise the Institute for Sustainability , COSA and the Renewable Energy Center. Team is also advising the Presidents Council on campus projects and policy.*

*Green team recommended the president sign the American College and University Presidents Climate Commitment and is engaged in that process. Green house gas report due 5/15/11 & climate action plan due 5/15/12*

## New construction on campus to be Silver LEED or better

- Executive order from Governor
- Newest Townhouses opened 2005 Silver LEED
- Building a green showcase home to NAHB gold standard with students
- Proposing to build 7000 square foot green demonstration project for entertaining and visitors
- New \$35 million Student Leadership Facility to include geothermal and be gold LEED



- **All appliances bought on campus will be ENERGYSTAR Rated starting Sept 1 2010**
- **2.5% of the total air fare travel will be placed in a special fund for sustainability projects on campus.**
- **College will encourage full use of the bus service between the Wellsville and Alfred campus and other local bus services.**

- **Renewable energy to be 15% of use**
- Investigated a full scale Wind Farm on the college farm 10 to 15 - 2.5 Mw turbines
- Investigating through the SUNY power consortium on changing to include renewable energy
- Leading an 8 college project to erect 100 Kw community size grid tie wind turbines through NYSERDA ( New York State Energy Research and Development Authority)
- Finalist in 20 Acre Photovoltaic Proposal funded by NYPA ( New York Power Authority)

- **Renewable energy to be 15% of use**
- 2 ton Geothermal, solar thermal, 7Kw Photovoltaic and 2 Kw Small wind on showcase home
- 24 ton geothermal on new Construction Industry Workforce Development Facility ( 10,000 of 30,000 sq ft facility)
- 15 Ton geothermal on rehabilitation of Allied Health Building
- Move 10Kw small wind turbine to sports facility
- Various small wind and PV systems on campus installed by students

- **Investments reviewed regarding policy supporting sustainability**
- **Waste Minimization component of the national RecycleMania competition**
- The Center for Organic and Sustainable Agriculture is working with dining service and landscaping crews on campus to increase the amount of compost
- Paper use and disposal will be audited and collection points for paper recycling will be increased accordingly
- Move from a commingled to a presorted system for recycling

- **Waste Minimization component of the national RecycleMania competition**
- Set specific goals to reduce and eliminate landfill waste and increase recycled waste
- Start a campus-wide campaign to educate students, faculty and staff about recycling and sustainability.
- Work with the Management and Sustainability Living Learning Community as well as the Student Sustainability Club to involve students in the process of solving some of our waste issues.

## Other Sustainable Projects

- Reviewing the central heating system and replacing with individual building systems
- Reviewing LED lights and CREE – LED University Program
- Executive Order- Vehicles on campus either hybrid or alternative fuels
- Biodiesel project
- Greener landscaping

# Center for Organic and Sustainable Agriculture

- COSA – Farm land certified Organic with no pesticides
- Split herd 50% organic & 50% traditional
- New COSA facility
- Raising 200 free range chickens and selling organic eggs working with local farmers on NYC market
- Community organic farming

<http://www.theseedcenter.org>

- **SEED – Sustainability Education and Economy Development – is a landmark effort by the American Association of Community Colleges (AACCC) and ecoAmerica to enable the nation's 1,200 two---year colleges in the critical task of preparing the American workforce with the skills needed to succeed in sustainable, clean tech and other green economy jobs.**

## Center for Renewable Energy



ASC Installation at National Arboretum, Washington DC March 2009

*Thank You*

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