As a community college, Finger Lakes is focused on our role as a dynamic learning resource, central to the economic vitality of our region. In the past six years, our enrollment has grown 39 percent. We recently completed construction on a new Student Center, which will be the first LEED certified public building in Ontario County. The main classroom building in Canandaigua is undergoing a major renovation to create 26 new and renovated classrooms and laboratories to serve our growing population.

In addition to the main Canandaigua campus, FLCC has three campus centers in Geneva, Newark and Victor. These centers are aligned closely to the communities they serve. Each has a community advisory committee that is actively involved with identifying the appropriate focus and programming for the center.

Ultimately, FLCC focuses on training the local workforce. Through recently created degree programs, workforce and job training non-credit offerings, and public-private partnerships, we work directly with local industry leaders on curriculum development so our graduates can immediately fill job openings in the Finger Lakes region.

For example, FLCC’s Viticulture and Wine Technology degree program was developed based on the counsel and expertise of local wine companies and winery owners. Another recent example is the innovative new Instrumentation and Control Technologies program, that was developed in collaboration with entrepreneurs and other representatives of a wide range of local high-tech businesses.

FLCC’s Professional Development and Continuing Education (PDCE) programs are also meeting business needs and educating workers for healthcare, technology, advanced manufacturing, and other critical workforce requirements.
Finger Lakes Community College means jobs for Western New York

FLCC ranks first in successful outcomes
in the Rochester and Finger Lakes area and second out of 29 SUNY community colleges. Successful outcomes represent students who have graduated, transferred or continue to pursue higher education three years after enrolling.

FLCC beats the average SUNY community college cost per student by more than $1,000. FLCC’s cost per student in 2010–11 was $7,840; the SUNY average was just shy of $9,000.

FLCC meets the need for local health care workers.
FLCC nursing graduates are in high demand, and 96 percent of FLCC certified nursing assistant graduates get jobs shortly after graduation. PDCE’s Home Health Aide (HHA) training program is filling a vital niche in the region’s health care industry. Based on rapid growth in home health care and high replacement needs, professionally-trained home health workers are a much-needed and valuable community resource.

FLCC serves a growing proportion of the community.
While general population figures are flat, enrollment at FLCC has grown from a total of 4,910 full- and part-time students in fall 2005 to 6,811 full- and part-time students in fall 2011, a 39 percent increase.

FLCC is affordable and accessible for low- and middle-income families. Fewer than half of all FLCC students leave with debt.

Located in the heart of the Finger Lakes region, FLCC is a State University of New York (SUNY) community college serving Ontario, Seneca, Wayne and Yates counties. The College has Campus Centers in Geneva, Newark and Victor.

According to the U.S. Bureau of Labor Statistics, 43 percent of the new jobs in the next decade will require more than a high school diploma but less than a four-year degree.

“Hands-on training becomes a booming business,” Democrat and Chronicle, Rochester, February 6, 2011

“Community colleges are vital to our region’s future economic prosperity.”

– Rob Sands, President and CEO, Constellation Brands, Inc.
Community colleges have long been heralded as essential resources, and as the economy continues its climb, they are also a vital link to the job market. Because they are affordable, accessible and offer a wide range of job-training programs, they are helping workers meet the post-recession demand for different sets of job skills.


New York’s Community Colleges:

- Give 246,000 SUNY students access to an education that prepares them for jobs or transfer to a four-year school.
- Know the employment needs in their communities and move fast to fill them. Nearly 80 percent of community college graduates remain local.
- Provide business and industry training to approximately 700,000 people per year.\(^1\)
- Are in the best position to educate tomorrow’s workforce. By 2018, New York will create 2.8 million new or replacement jobs, and 63 percent of all jobs in New York (6.1 million jobs) will require some post-secondary training beyond high school.\(^2\)
- Provide opportunity to lower-income New Yorkers, who have been losing ground during the recession.
- Increase a graduate’s annual income by 16 to 27 percent over the course of a lifetime.\(^3\)
- Lead the state in preparing students for jobs in the semi-conductor, green energy, health care, information communication technology, and emergency management fields.
- Generate a 7.7 percent rate of return to state and local governments on their financial support for community colleges.\(^4\)
- Help New York save $81 million per year in social costs, including savings associated with improved health, reduced crime, reduced social services, and lower unemployment.\(^4\)

President Barack Obama has called community colleges the “gateway for millions of Americans to good jobs and a better life.”

The Obama Graduation Initiative calls for community colleges to turn out five million more graduates by 2020, making the U.S. the nation with the highest rate of college graduates once again.

1. State University of New York
2. Help Wanted: Projection of Jobs and Education Requirements Through 2018, Georgetown University Center on Education and the Workforce
4. EMSI (January 2011)
The Critical Role of FLCC and New York State’s Community Colleges

- **Community colleges allow people at all stages in their lives to be lifelong learners.** They are a distinctly homegrown creation, helping people fulfill a very American value: the opportunity of people to strive for the American dream. Moreover, our society benefits when everyone has access to higher education, and these institutions give more people that access.

- Community colleges like FLCC train and retrain workers, help align the workforce with employers' needs, and put money in the pockets of people who are struggling to get ahead. **Community colleges are a key driver in the economic recovery of our state.** Out-of-work, dislocated or underemployed people must be trained for jobs that require skilled workers.

- SUNY is a powerful driver in New York’s economic recovery. **SUNY’s community colleges are powerful economic engines,** with the ability to educate the local workforce and elevate the quality of life in their regions. Community college graduates tend to stay in the area rather than move out of state. At FLCC, 75 percent of our graduates remain in the region.

- FLCC has a track record of working with community and business leaders to build new programs that will prepare people for careers in the Finger Lakes region. For example, FLCC’s Instrumentation and Control Technologies degree was developed with the guidance of owners and managers of high-technology companies. Winemakers and vineyard owners offered vital input to the creation of the Viticulture and Wine Technology degree program. The FLCC-G.W. Lisk Advanced Manufacturing Machinist program, a non-credit offering, was created based on a public-private partnership.

- **Community colleges are becoming the colleges of choice for many New York students,** and FLCC’s combination of outstanding teaching, supportive atmosphere and high value makes us the true driving force behind the “power of SUNY” and the entire Finger Lakes region.
Tuition for Retraining

The state has awarded the Finger Lakes Workforce Investment Board a grant to provide full scholarships for up to 266 unemployed workers in the Rochester area willing to train for a career in advanced manufacturing.

The scholarships will provide up to $8,500 for tuition, fees and books for eligible students who enroll in two-year programs at Finger Lakes Community College, Genesee Community College or Monroe Community College.

The funding comes from a federal initiative to train American workers in high-growth jobs that employers are currently filling with foreign workers through a visa program. The funding is channeled through the state Department of Labor, which awards grants to programs across New York that can meet this goal.

Prospective scholarship applicants should contact Bill Rotenberg at (315) 789-3131. Scholarships will cover the following programs:

- Advanced Manufacturing
- Biotechnology
- Engineering Science
- Manufacturing Technology
- Optical Systems Technology
- Precision Machining
  - Optical Fabrication
- Instrumentation and Control Technologies
- Mechanical Technologies
- Computerized Drafting and Design

FLCC recognizes the importance of listening to the needs of our local industry leaders and working to develop programs to meet those needs.

—Karen Springmeier
Finger Lakes Workforce Investment Board
Viticulture and Wine Technology

Enabling students to learn, live and work in wine country

According to the New York State Agriculture and Markets 2008 Wine Grape Task Force, based on the dramatic growth in the sector, the need for individuals with the specialized knowledge and skills necessary for employment in the viticulture and wine industry will continue to grow for the foreseeable future.

Finger Lakes Community College’s Associate in Applied Science (A.A.S.) Viticulture and Wine Technology degree program is designed for students who plan to pursue a career at a vineyard or winery. Students will be able to complete their formal education in two years and begin a career, or they may choose to transfer to a four-year school, such as Cornell University.

This program was developed based on the counsel and expertise of local wine companies and winery owners, Cornell University and Cooperative Extension expertise, the New York Wine and Culinary Center and others involved in the industry. Building on our well-known and established Environmental Conservation and Horticulture programs, this degree also includes an emphasis on sustainability, ensuring that the environmental issues so very important in the Finger Lakes region will be addressed.

On the horizon —
FLCC’s Viticulture Center

State Sen. Michael Nozzolio and Assembly Minority Leader Brian Kolb have secured $3.3 million in the 2012–13 New York state budget for the College to build a Viticulture Center at the Cornell Agriculture and Food Technology Park, also known as The Technology Farm, in Geneva.

FLCC’s Viticulture and Wine Technology degree program currently operates out of rented space at this location.

The 6,830-square-foot building will meet the specific needs of the program, educate students using state-of-the-art equipment and laboratories, and provide hands-on experience cultivating vines in various stages of development. Each room has been designed with help from wine industry professionals and Cornell University to provide students with extensive hands-on winemaking production experience. An adjacent vineyard will provide students with the opportunity to learn vineyard management techniques.

I see the FLCC program as being a tremendous catalyst for upgrading the level of applicants for vineyard and winery positions for Finger Lakes wineries. Many of the students are likely to be from New York and will be interested in pursing careers in the local industry. Previously, it has been difficult to find skilled applicants with adequate backgrounds. This should also serve to funnel additional students into the four-year Viticulture and Enology program at Cornell University.

— David V. Peterson, CEO, Swedish Hill, Goose Watch and Penguin Bay Wineries
Instrumentation and Control Technologies

Opening doors to employment in high-tech fields

Explore a unique, high-tech, hands-on degree program at FLCC’s convenient Victor Campus Center. Learn the tools and techniques of emerging technologies – crucial for designing, testing, manufacturing and quality control in industrial, commercial, medical and other settings. These adaptable skills are critical for rapid innovations in our systems of advanced manufacturing, packaging, distribution, healthcare, transportation, electric grid, Internet, and defense industries and other settings. FLCC’s new Associate in Applied Science (A.A.S.) Instrumentation and Control Technologies degree program blends theoretical and hands-on learning to prepare graduates for positions in a variety of high-tech fields. Students will learn techniques of automated data acquisition, instrument control, motion control and machine-vision using LabVIEW software, and other tools of automation, including microcontrollers and programmable logic controllers.

The program also features a required internship to give students exposure to skills and knowledge beyond what is learned in the classroom. Students share the knowledge they gain during the internship with their fellow classmates through presentations during class time. These valuable internship opportunities give students work experience that can lead to a successful career. Internship opportunities exist with more than a dozen successful local companies.

The Finger Lakes Advanced Manufacturers’ Enterprise, or FAME, is an initiative of the Finger Lakes Workforce Investment Board and a collaborative public/private partnership of regional stakeholders working to attract and grow the workforce talent in advanced manufacturing in the Finger Lakes region. As a result of their efforts, Finger Lakes Community College developed the A.A.S. degree in Instrumentation and Control Technologies.

This unique, high-tech, hands-on degree program offers students an opportunity to learn the tools and techniques of emerging technologies which are crucial for designing, testing, manufacturing and quality control in industrial, commercial, medical and other settings.

Source: New York’s Forgotten Middle-Skill Jobs, National Skills Coalition, March 2011

“...The Instrumentation and Control Technologies degree program at the Victor Campus Center fills a need for skilled workers in advanced manufacturing. Students see how traditional courses such as math and physics are relevant in today’s workforce while receiving hands-on training in emerging technologies. Local employers have pledged internships that in many cases will turn directly into jobs.”

—Sam Samanta, Professor, Physics
FLCC’s Role in Middle-Skill Jobs

What are middle-skill jobs?

- Middle-skill jobs, which require more than a high school education but not a four-year degree, currently make up the largest segment of jobs in the U.S. economy and will continue to do so for years to come.
- In 2009, about 46 percent of all jobs were classified as middle-skill, but only 39 percent of New York workers had the required education and training to fill those positions.
- Some 39 percent of all job openings in New York between now and 2018 will be in middle-skill jobs.
- New York’s projected education trends for the subsequent 15 years suggest that middle-skill worker shortages will continue.

Source: New York’s Forgotten Middle-Skill Jobs, National Skills Coalition, March 2011

Middle-skill jobs are available to those who have completed:

- Two-year degree programs
- Licensure Training
- Certificate/credentialed training
- Nationally recognized educational programs

Middle-skill workers are already in high demand and are needed to help companies like Optimax compete and grow. Our company has a three-year plan to add three-to-four net new jobs every month. But our company is struggling to find the workers to fill them.

That’s why companies like ours are working diligently with local community colleges to educate workers, and why we’re now looking to partner with middle schools and high schools to ensure the education pipeline develops the workers our economy needs to compete and grow.

—Mike Mandina, President Optimax Systems
Workforce Training
FLCC’s Professional Development
and Continuing Education Office

Not everyone goes to FLCC to pursue an associate degree or has plans to transfer to a four-year school. For those who want to make other choices, FLCC offers training, certification and custom training programs that prepare people for jobs in demand.

Health care, business, the travel industry—you name it—FLCC is constantly developing new and innovative business solutions through its workforce and job training non-credit offerings. We interact with local employers and prospective workers to fulfill business and workforce needs in our communities.

Regional businesses and not-for-profit organizations partner with FLCC’s Professional Development and Continuing Education office on many initiatives, including the Nurse Assistant/Home Health Aide Dual Certification Program. Certificate programs and non-credit training are offered at FLCC in high-demand fields such as health care, advanced manufacturing, technology and more.

Workforce and job training offered at FLCC through the PDCE office includes:
• Advanced Manufacturing Machinist
• Healthcare: ➔ Nurse Assistant ➔ Home Health Aide ➔ Direct Support Professional
• Leadership/Supervisory/Lean Training
• Customized Computer Training

We provide training to individuals ready to enter the workforce or looking for a new career. It is inspirational to see a person complete a non-credit training program, obtain work, and return to FLCC to further their education and career.

—Lynn Freid, Manager of Business Development and Training (center).

Pictured with Professional Development and Continuing Education Specialists Marcia Lynch (left) and Colleen Aiezza (right)
FLCC works with G.W. Lisk to train students for machinist jobs in advanced manufacturing.

“G.W. Lisk, like many advanced manufacturers, has jobs it cannot fill due to a lack of skilled workers,” says Scott Cummings, manufacturing manager for the company. “We turned to FLCC for its experience in educational programming to help us put together a course in the basics of machining. Graduates could apply for jobs with us or any number of advanced manufacturers in the region.”

“G.W. Lisk’s story is common. Traditional manufacturing may have declined, but the great untold story in the Rochester region is the success of advanced manufacturing companies, which offer a very different work environment and require higher-level skills,” said Lynn Freid, manager of business development and training for FLCC.

“Machining and other technical jobs in advanced manufacturing can form a solid foundation for those who continue on to get degrees in engineering or manufacturing, CAD/CAM (computer-aided design and computer-aided manufacturing), or machine tool technologies,” she said.

All 10 members of the first class had full-time jobs by the time they graduated in March 2012.

FLCC teams up with Moser Baer to launch cleanroom technician training program.

“We will have a need over the next two years to hire approximately 30 to 40 cleanroom operators who will watch over production of organic light-emitting diode (OLED) lighting panels,” said David Newman, vice president of Moser Baer Technologies.

“This is a new kind of position, and the people we hire will need to walk in with the basic understanding of the protocols, conditions, and requirements for working in a cleanroom setting.”

“We are delighted to be working so closely with Moser Baer Technologies to help train workers for well-paying and secure jobs in this exciting industry,” said Lynn Freid of Professional Development and Continuing Education at FLCC.

“It is a great partnership with room to grow, which is a win-win for everyone.”

FLCC’s PDCE office works directly with employers to meet industry sector middle-skill training needs:

- G.W. Lisk Regional Advanced Manufacturing Training Center: Non-credit training leads to credit and non-credit certificates which lead to degree programs
- Moser Baer/Smart Systems Technology & Commercialization Center of Excellence: Cleanroom operator training
- Wayne Table Works: 1-2-3 Green series food service/customer service training
- Ontario/Wayne County: Lead to Succeed Leadership training
- Cayuga-Seneca County: The Wine Tasting Room Experience training
- Finger Lakes Workforce Investment Board: Youth Program: Computer skills // Serv Safe // NRF // Customer Service // OSHA safety trainings

FLCC awarded $50,000 training grant

An FLCC job training project was among the $68.8 million awarded to the Finger Lakes Regional Economic Development Council. The College received $50,000 to put unemployed workers through non-credit training that leads to an industry recognized credential. This grant will fund training costs for nurse assistant/home health aide students.
Developed in partnership with the New York Wine & Culinary Center, FLCC’s new culinary arts degree gives students the opportunity to learn both the art and the business of the food service industry. Students will learn the latest trends and apply practical skills in a real-world setting.

Community colleges are on the move across America. Now educating nearly half of all undergraduates in the United States, community colleges have come of age. With support from individuals, foundations, corporations and small businesses striving to make a meaningful impact on the future of their communities, the sky is the limit. Public-private partnerships with community colleges inspire invention and innovation and drive economic impact for our region.

FLCC has taken the lead to partner with local manufacturers to promote and develop talent pipelines for high technology-oriented jobs through its Instrumentation and Control Technologies program. The College’s support of the Finger Lakes Advanced Manufacturers’ Enterprise (FAME) will result in job placements (internships) and student engagement that would not occur otherwise.

—Ron Golumbeck, ITT Goulds Pumps

I’ve found that having CMAC on the FLCC campus is a perfect fit. We have a winning partnership here in Canandaigua, on this jewel of a campus under the stars.

—Richard Sands, Chairman of the Board of Directors Constellation Brands, Inc.
FLCC beats the average SUNY community college cost per student by more than $1,000. FLCC’s cost per student in 2010–11 was $7,840; the SUNY average was just shy of $9,000.

FLCC gets results. FLCC is No. 2 among 29 SUNY community colleges for successful outcomes. (The percentage of students who have graduated, transferred or are still pursuing higher education after six semesters is 62 percent.) This figure does not include those who have found jobs within six semesters.

FLCC’s main campus expansion and renovation will be funded in part with $7 million in contributions from non-profits affiliated with the college, a substantial savings for local taxpayers. The FLCC Association, which operates the food service, bookstore and other services, will contribute $4 million, and the FLCC Foundation, which raises money from the private sector, will contribute $3 million.

NYS matches all private contributions to FLCC’s capital project, dollar-for-dollar. This investment reaps rewards and attracts new donors to the college interested in public-private partnerships which yield results.

“I chose to name the multi-purpose room at the Victor Campus Center because of the role this campus plays in educating workers who will fill future jobs in the private sector.”

— Paul Griswold, President and CEO
Finger Lakes Technologies Group
Did you know?

- In 2010, nearly half of all undergraduates in the U.S. were studying at community colleges.

- Graduates with an associate degree earn an average of $405,600 more over their lifetime as compared with those holding only a high school diploma.

- Among job openings between 2008 and 2018, the fastest growth is projected for occupations requiring an associate degree.

- Students who graduate with an associate degree and transfer to a four-year college or university can save thousands of dollars as compared to students who complete all four years at a college or university.

About FLCC

- Of 6,811 students in fall 2011, 75 percent of FLCC students received some form of financial aid. Many FLCC students are first generation—the first in their family to go to college.

- FLCC ranks first in successful outcomes in the Rochester and Finger Lakes area and second out of 29 SUNY community colleges. Successful outcomes represent students who have graduated, transferred or continue to pursue higher education three years after enrolling.

- Finger Lakes Community College ranks among the fastest-growing two-year colleges in the nation, according to Community College Week magazine. The November 29 issue (2010) of the national publication ranked FLCC 40th on a list of the top 50 fastest-growing community colleges with an enrollment of 5,000 to 9,999. The ranking accompanied an article on surges in enrollment at community colleges nationwide amid the economic downturn.

- Ontario County is FLCC’s sponsoring county and we also serve the educational needs of Seneca, Wayne and Yates counties.
Through FLCC’s non-credit Adult Basic Education program, FLCC serves educationally, economically, and culturally disadvantaged individuals in need of literacy services. Our main campus and both the Geneva and Wayne County campus centers host literacy services, which include General Equivalency Diploma (GED) and English as a Second Language (ESL) classes. As a result, these individuals upgrade their workplace literacy skills, increase their English language skills, and are more employable.

FLCC also offers Professional Development and Continuing Education (PDCE) non-credit training opportunities. We help people train for jobs, pursue business-oriented job certificates, and enhance their personal and professional development. Opportunities range from employee skills training to customized business training. An example of a non-credit training offering at FLCC is the highly successful Certified Nurse Assistant (CNA) program, which helps people prepare for jobs in the health care field.

FLCC’s 2012–13 tuition is $3,654 per year for full-time students. FLCC offers 54 degree and certificate programs, including both online and classroom offerings. Programs include Environmental Conservation, Business Administration, Instrumentation and Control Technologies, Criminal Justice, Music Recording Technology, Nursing, Communications, Culinary Arts, and Graphic Design. FLCC also offers New York state’s first-ever Viticulture and Wine Technology associate degree program.

FLCC has about 22,000 alumni; 75 percent of whom live and work in the region. The most recent graduating class, the Class of 2012, had 925 graduates.

35 percent more...
Over the course of a working lifetime, associate degree graduates in the FLCC four-county service area earn $405,600 more than someone with a high school diploma.

Data from Economic Modeling Services, Inc. study, February 2011
**Report lauds FLCC’s IC Tech degree**

Maurice F. Field, executive director of the Finger Lakes Community College, recently lauded the college’s Information Technology degree program. He said the program is needed to fill the growing demand for IT professionals.

*By Sara Swartwell*

**Finger Lakes Times**

**FLCC’s wine major approved**

By GABRIELA M. FOX

Finger Lakes Community College’s wine major program has been approved by the New York State Department of Education. The program will begin offering courses in fall 2013.

The wine major includes courses in viticulture, enology, winemaking, business management, marketing, and sales, as well as field experiences such as internships and co-op opportunities.

**Finger Lakes Times**

**FLCC launches clean-room training program**

By GABRIELA M. FOX

Finger Lakes Community College has launched a new clean-room training program. The program is designed to prepare students for jobs in the clean-room industry.

The program includes courses in clean-room technology, equipment maintenance, and safety. It also offers hands-on training in clean-room environments.

**Finger Lakes Times**

**Student art exhibit at FLCC**

Students at the Finger Lakes Community College will have the opportunity to showcase their art at an exhibit opening on Oct. 10.

The exhibit, titled "Art of the Finger Lakes," will feature works created by students in various disciplines, including painting, sculpture, and photography.

**Finger Lakes Times**

**MPN Newsnow**

**Partnership aimed at filling area jobs**

By Sara Swartwell

Schoolcraft College and the Finger Lakes Community College have formed a partnership to help fill the growing demand for skilled workers in the area.

The partnership will offer courses and training programs in a variety of fields, including manufacturing, IT, and health care.

**Finger Lakes Times**

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