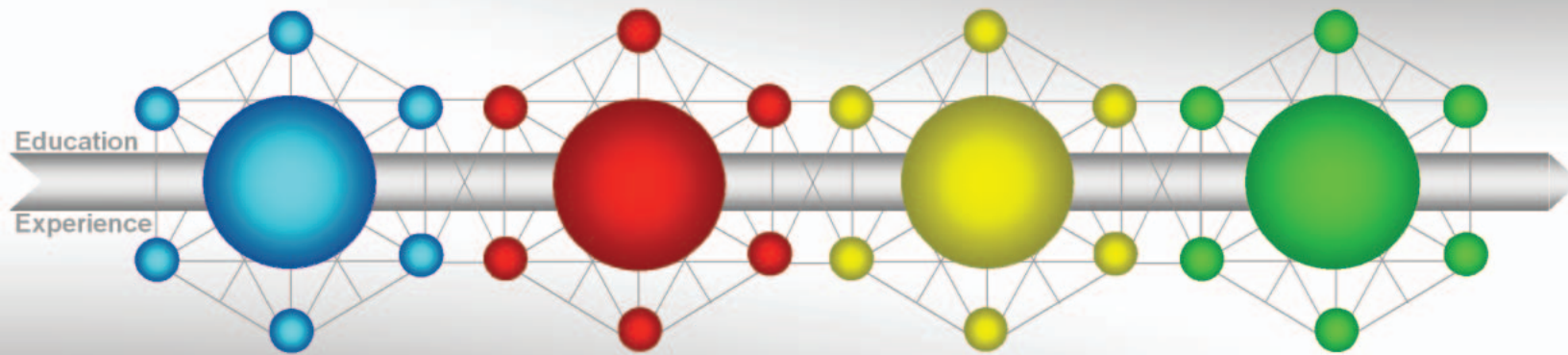


# Connect to the Future



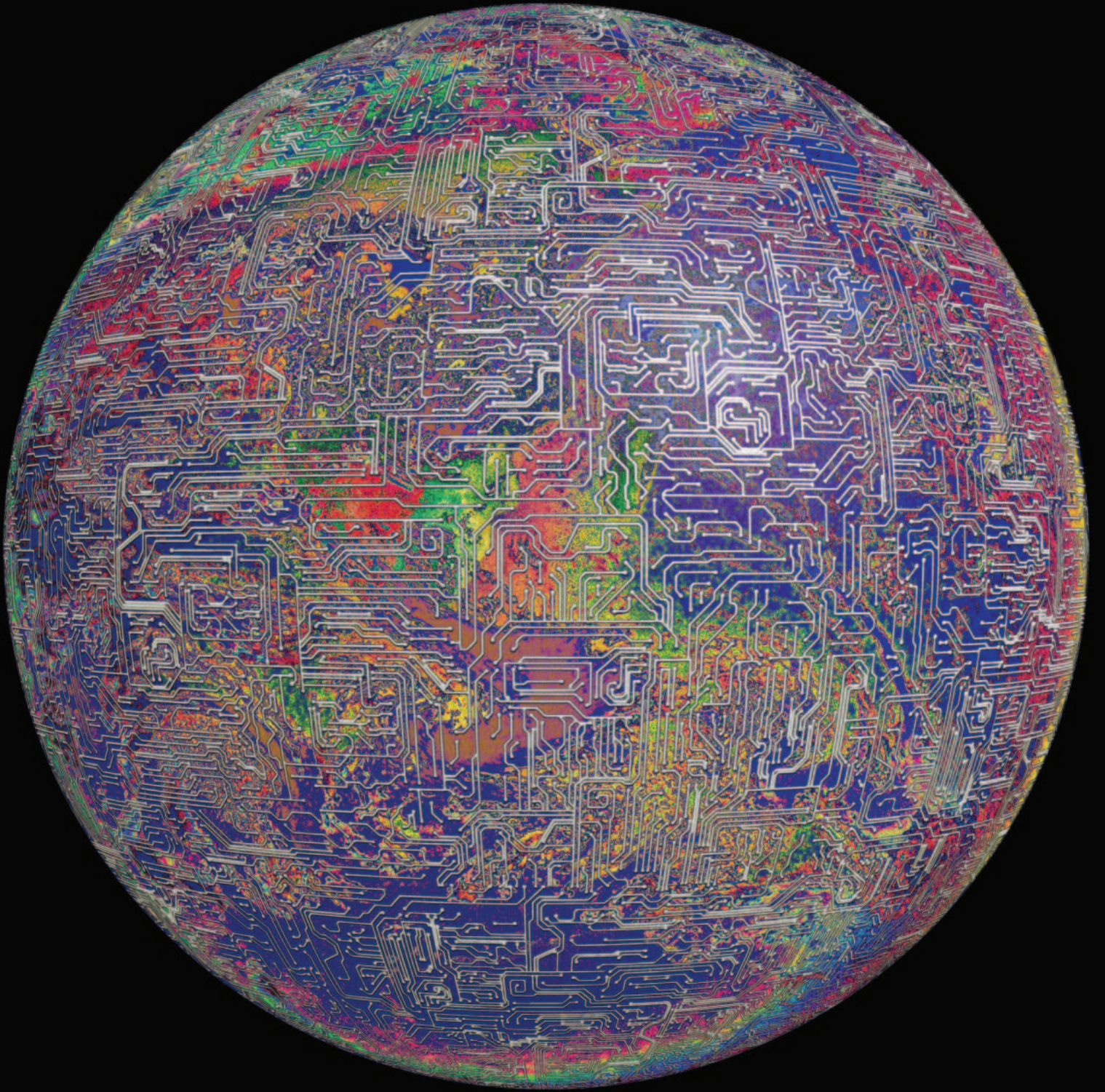
## with IT@Sinclair

***What is IT@Sinclair?***

***What does IT mean to me?***

Vision & Leadership  
Education & Careers  
Training & Development  
Industry Involvement  
Work Force Vitality







## What is IT@Sinclair?

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## About IT@Sinclair

IT@Sinclair creates an exciting focal point for information technology (IT), the fastest growing sector of the regional economy. Based at Sinclair Community College, IT@Sinclair connects employers, educators, students and the community in dynamic new ways to build the competitive IT work force essential to the economic vitality of the Miami Valley. This report highlights current and future trends and the exceptional people, programs and organizations working to build a world class IT work force and respond to the shortage of highly skilled educators and workers.

The local IT industry includes approximately 1,100 companies that employ more than 21,000 people in high skill, high wage positions. Information technology permeates every field, from engineering, manufacturing and health care to the creative arts, so virtually every worker will need IT skills to succeed today and tomorrow.

IT@Sinclair represents a powerful vision of integrated education, training and technology for the Miami Valley—vision focused on advanced strategies for the 21<sup>st</sup> century. In education, it supports seamless pathways from high school through college, along with IT exposure starting as early as Kindergarten. In the work world, it offers cutting-edge technology programs that lead to the technical certificates, industry certifications or associate degrees essential to career advancement.

The IT@Sinclair team includes a first-rate collaboration of professionals in education, technology and business. The IT@Sinclair web site highlights regional IT efforts, and it includes information about IT industry trends, learning opportunities and knowledge management. Programs like IT@Sinclair are pivotal to Ohio's knowledge economy and pursuit of the Third Frontier of Knowledge and Innovation.

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***IT@Sinclair is Sinclair Community College's direct response to what Miami Valley employers have clearly told us they need, not just for today's challenges but also for tomorrow's dynamic growth.***

*Dr. Steven L. Johnson, President  
Sinclair Community College*

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## IT@Future

The future of IT@Sinclair is focused on the stakeholder—from the student entering IT College Tech Prep to the corporation seeking targeted training to achieve and sustain a high performing organization. Course content and delivery modes are driven by the learning styles of the individuals involved. Learning is precision based and delivered using evolving technologies such as online just-in-time modules, digital media, and distance learning capabilities to supplement face-to-face instruction in traditional classrooms.

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***The future of IT@Sinclair is focused on the stakeholder—from the student entering IT College Tech Prep to the corporation seeking targeted training to achieve and sustain a high performing organization.***

*David Siefert, IT@Sinclair Project Director and Director of Strategic Programs  
Sinclair Community College*

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Learners can register, access learning content, complete and submit assignments, conduct competency self-assessments, and receive performance feedback through integrated digital venues. Workers seeking to gain new skills have the opportunity to learn either full or part time at their point of need using methods that respond to their individual time constraints and objectives. Corporations seeking to train and develop workers have similar options for precision learning delivered in flexible modules tailored to their specific needs. So that this vision can be fully realized, however, it's important to understand the forces that shape IT today.

## IT@Work

Information technology (IT) skills are in great demand, and nearly two-thirds of all jobs in Ohio require advanced IT skills. Opportunities exist in both the IT industry and in high tech companies that require information technology support, so IT affects nearly everyone. The Miami Valley has nearly 1,100 high tech companies, and Dayton is one of the top eight cities in the country for long-term IT opportunities. (Source: *InfoWorld*, June 29, 2001)

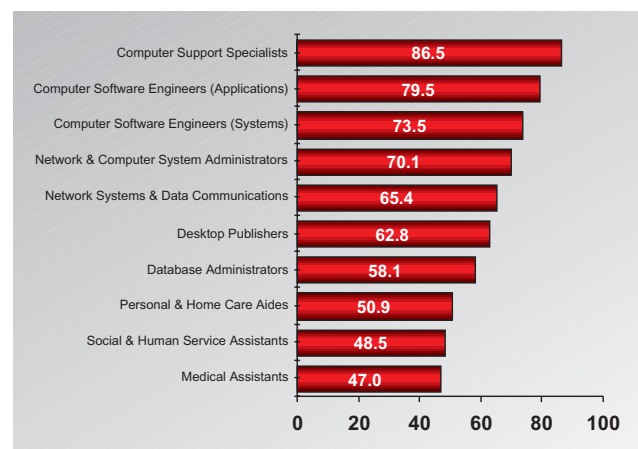
These trends mean that in the next decade, at least 50,000 new IT jobs will be created in the Miami Valley region—a growth rate far greater than any other sector of the local economy. Unfortunately, many well paid IT positions may go unfilled, because demand far outstrips the supply of skilled workers.

Recent studies of Ohio's economic profile indicate the top ten hottest growth jobs require at least an associate degree and basic computer literacy, and seven of the ten are directly related to computer information systems and information technologies. Clearly, those who pursue IT careers will have exceptional employment and promotion opportunities for the foreseeable future.

IT@Sinclair and its partners, Ohio's IT Alliance and the National Science Foundation (NSF), are responding to this trend. Together, they have created

*(continues next page)*

### Seven of the top ten hottest jobs in Ohio are in IT.



*Projected rate of employment growth 2000-2010.  
Source: Ohio Department of Job and Family Services.*



## **IT@Work** *(continued from previous page)*

a comprehensive strategy to meet the educational and development needs of individuals and corporations. This strategy consists of:

- High school IT College Tech Prep programs, which provide high quality integrated academic and technology education.
- Associate degree programs, which provide an exceptional technical education and build valuable, state-of-the-art skills aligned with jobs.
- Industry certification programs, which offer unique opportunities to gain highly marketable IT credentials.
- Technical certificate programs, which help employees and employers respond to the rapidly changing demands of the IT arena.
- Professional development programs and services, which support the capability and capacity that leads to high performance corporations.

IT@Sinclair's comprehensive strategy is deliberate and targeted. In a recent analysis of factors that boost employment opportunities and growth, two conditions had the most significant impact: 1) the availability of on-the-job training, and 2) the availability of workers with associate degrees. (Source: *Monthly Labor Review 2003*, for 2000–2010)

Because IT@Sinclair has a direct and measurable impact on these two economic drivers, it plays a vital role in the economic vitality of our region and our state. IT@Sinclair's emphasis on educational attainment coupled with ongoing professional and technical development provides the optimal blend of targeted solutions with genuine strategic impact—for students, educators, workers, employers and the community. This fluid, integrated approach provides a range of options for both new and established IT workers, and it is illustrated in the concept of the Lifelong Learning Network.

Lifelong learning demands a complex network of connectivity among educators and employers, students and community stakeholders. Learning is centered on the student, who is empowered to take control of the learning experience, because both learning and success are crucial. The traditional educational path is still valid, but the lines between education and experience are becoming blurred.

The traditional path represents the more familiar, educational experience, and articulation agreements define the connectivity between high school and college. Certifications and Fast Track support precision learning focused on rapid, skilled competency development, and they have a strong job-related foundation. Work-based learning, such as internships, capstone projects, technical and industry certifications, and ongoing training and professional development, provides a critical link between education and employment. In

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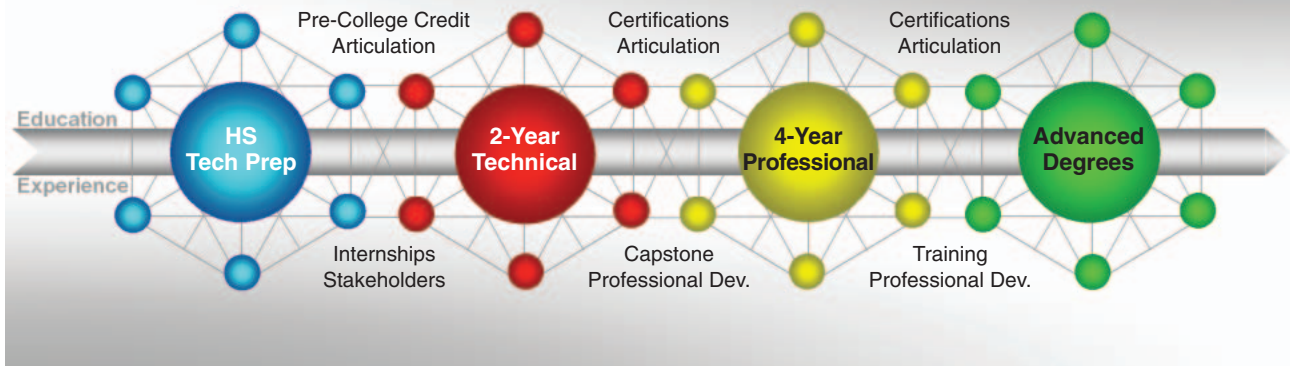
***Our IT program helps students build skills in seven of the top ten job growth areas.***

*Nancy Thibeault, Director  
Learning Technology Support  
Sinclair Community College*

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combination, these components form a framework that recognizes lifelong learning is integral to and essential for an educated, skilled, successful work force.

## Lifelong Learning Network



Today, the tidy, time-bound march toward a degree is not necessarily typical. Students who enter the IT College Tech Prep program in grade 11, for example, may achieve advanced college credit and be prepared for select industry certifications by the time they transition to college. They may work in the industry, access professional development opportunities, tackle an associate degree, obtain hands-on experience through internships and capstone projects, and prepare for additional certifications—all in a roughly parallel process. They may work full time while they pursue a bachelor's degree as a part-time student—or vice versa. Throughout, they selectively seek targeted education, skill-building and professional development opportunities related to their career vision and employment endeavors.

This model is part of the legacy of IT@Sinclair. It illustrates the nature of IT today, which is non-linear, individualized and flexible. It also serves to describe

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***One of the ongoing challenges in contemporary higher education is to align our curriculum with the marketplace needs of our students, employers and the community. IT@Sinclair is an exemplary model of how that can be accomplished in a fully cooperative environment.***

*Dr. Jeanne Jacobs  
Vice President for Instruction  
Sinclair Community College*

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***Our kids are growing up in a very different world. IT knowledge is becoming the 'price of admission' for a successful career. It's a significant handicap to not have basic IT skills and a comfort level with information technology.***

*Tom Atkinson, Vice President  
The Forum Corporation*

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the universal challenge of contemporary education systems as they work to become more closely aligned with and responsive to the needs of students, employers and the community.

## IT@Education

The IT industry is characterized by rapidly evolving core technologies and an ever-changing marketplace. Hence, both the high school and college programs are continuously refreshed, revised and updated, and technology facilities are constantly upgraded. More than 12 Cisco laboratories have been developed in the region, and at Sinclair, the Computer Information Systems (CIS) program has state-of-the-art computer labs, web servers to support expanded program demands, plus dedicated off-campus space at the Learning Center at Miami Valley Research Park plus several high schools. Distance learning facilities further enhance the accessibility and capacity of IT@Sinclair.

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## IT@Education *(continued from previous page)*

Skilled faculty and counselors are crucial. At the high school level, in-service training and demanding standards are raising the skill level of technology teachers

and alternative licensing strategies attract industry practitioners to the teaching field.

At the college level, all CIS instructors have hands-on industry experience with the latest technology and software.

### **The Mound Street Academy**

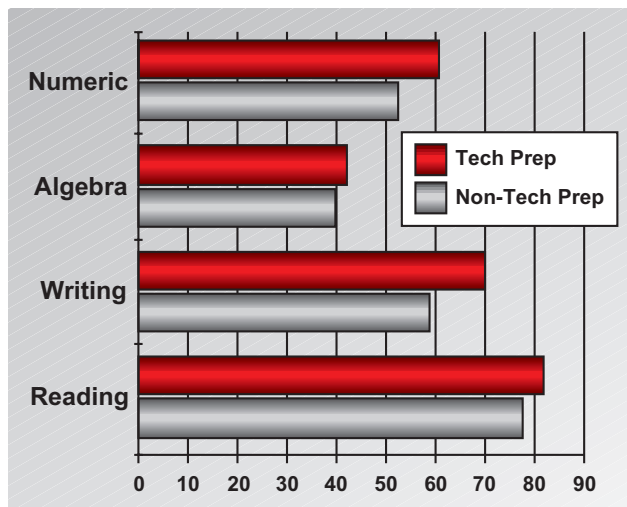
IT@Sinclair supports creative solutions. In 2002, the Mound Street Academy was created to provide options for students who had dropped out of high school. Located near the Sinclair campus, the academy offers skill training, plus high school and GED diplomas. The pilot project selected 17 students to participate in the Fundamentals of Voice and Data Cabling program. Part of the sponsored Cisco curriculum, this is a college level track and the first step toward certification in BICSI Cabling Installation. Half of the tuition funding came from the Mound Street Academy and the other half was funded through the Sinclair Foundation.

### **High School IT College Tech Prep**

IT@Sinclair and the Miami Valley Tech Prep Consortium are partners in delivering a seamless IT pathway from high school through at least an associate degree, creating a tightly knit 2+2 program. College Tech Prep (CTP) students are college bound and career ready. High school students enter in their junior year and complete two years of IT course work carefully blended with the two-year associate degree requirements. They make a

smooth transition to Sinclair Community College, achieve advanced placement in the CIS associate degree program, and are eligible for tuition assistance.

### **College Tech Prep students achieve higher college entrance scores.**



*Sinclair Community College. Numeric Test Scores: statistically significant (t-test of mean difference:  $p < .05$ ). Algebra, Writing and Reading Test Scores: statistically significant (t-test of mean difference:  $p < .001$ ).*

Many students earn up to 40 college level credits while still in high school. These advanced credits are defined through formal articulation agreements. To solidify the alignment between high school and college programs, IT@Sinclair contributes to high school curriculum design and development; provides faculty development activities; assists in identifying laboratory equipment needs; counsels students seeking IT internships; assists in Career Nights; and sits on the partners' Board of Directors.

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***The CIS program is built with employer input, so each course is designed to help students master specific IT competencies critical to success in the work world.***

*Dr. Frieda Bennett, Dean  
Business Technologies  
Sinclair Community College*

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New high school programs are constantly being created, including CCNA, A+ and Cabling classes. Local companies sponsor high caliber IT internships for high school students, where they learn to apply their education in the work world. Creative solutions, such as the Mound Street Academy, provide alternatives for disaffected students.

IT is the fastest growing pathway at the high school level, and College Tech Prep students tend to outperform non-Tech Prep students at the college level. CTP students are likely to attain higher scores on college entrance exams, higher grades in English Composition and Elementary Algebra, and higher cumulative GPAs. They also demonstrate greater persistence in pursuing an associate degree.

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***Our program is flexible and responsive, and new specialties like Cyber Security help us stay on the cutting edge.***

*Charlotte Wharton, Chair  
Computer Information Systems  
Sinclair Community College*

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**Areas of concentration are aligned with IT careers.**



### **The Associate Degree Program**

The Sinclair Community College Computer Information Systems degree program offers a seamless continuation of the high school IT pathway and is aligned with marketable skills, competencies and jobs. This modularly constructed program has become a national model for other colleges seeking to implement a flexible, responsive IT curriculum. It integrates high demand specialties relevant to the Miami Valley and builds skills related to seven of the top ten job growth areas for Ohio.

The program consists of a targeted core curriculum and five areas of specialization relevant to specific IT jobs and career paths. These areas of concentration include:

- Network Management (MCSE)
- Network Engineer (Cisco)
- Web Development
- User Support
- Programming/Software Development

The core curriculum builds central foundation skills. Areas of concentration incorporate current technology and employer needs and demands into the course of study. Over time, the existing areas will evolve, outdated areas will be deactivated, and new ones will be added as fresh technologies emerge. Already, new specializations in Cyber Security and E-Commerce are under development.

## IT@Training & Development

The IT@Sinclair integrated approach has created clear connections between high school and associate degree courses, industry certifications and technical certificates. This connectivity allows students and practitioners to confidently pursue immediate, short-term technical course work with the knowledge that these credits will transfer to associate degree programs, should they expand their educational goals. This responds to the student and employer needs for increased flexibility and transferability. Industry partnerships and professional collaborators keep IT@Sinclair connected to resources, technology advancements and the work world.

### Fast Track Strategy & Models

Fast Track identifies, captures and delivers highly targeted technical training essential to the IT industry's fast-paced and ever-changing environment. It's appropriate for practitioners building skills for advancement

and students seeking state-of-the-art technical education. Fast Track provides a more individualized, modular approach to learning. It uses

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*JEDI was truly a shared effort. A large part of the recognition needs to be shared with Sinclair Community College as our university partner.*

*Dick Wendling, Senior Vice President  
Global Business Processes  
LexisNexis*

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### Outstanding Initiative: LexisNexis

As LexisNexis (ranked 14) migrated from a mainframe environment to Internet technologies, the company's IT staff required new tools and training. Consequently, LexisNexis management partnered with Sinclair Community College in Dayton, Ohio, to create the JEDI (Java Enterprise Development Initiative) program. This nine-month training curriculum includes courses in object oriented design, relational databases, client servers and JAVA. LexisNexis pays for all tuition and books, pays employees while they attend class, and provides laptops so employees can complete class assignments at home. (*Training Magazine*, special edition, 2003)

an adopt-and-adapt strategy to identify best-of-breed software and hardware suited to a specific specialty, and it employs testing and assessment tools to tailor the learning opportunity.

The first Fast Track program, JEDI, was developed under a 50/50 funding arrangement between LexisNexis Corporation and Sinclair, with the understanding that once JEDI was established and successful, a public version would be offered. JEDI is an intensive high end technology program, comparable to master's

## IT@Sinclair Industry Partners & Collaborators

Industry partners anchor IT@Sinclair to the existing and emerging needs and performance expectations of employers. They support faculty development, technology and software expansion and upgrades, curriculum re-engineering, and students' hands-on competency development. IT@Sinclair was a founding partner of the Greater Dayton IT Alliance, a local professional association that enables Sinclair to connect with more than 270 IT organizations.

AIM Center – NCME	Nashville Technical College
CIS Advisory Board	NCR/Forum Corporation
Cisco Systems	Ohio's IT Alliance
Collin County Community College	Oracle Academic Initiative
Daytona Beach Community College	Scitex, Inc.
Greater Dayton IT Alliance	Seminole Community College
IBM University	Techcor Training Center
LexisNexis	University of Cincinnati
Miami Valley Competency Profiling Project	West Virginia Community College
Miami Valley Research Park	Wright-Patterson Air Force Base
Microsoft IT Academy	

level course work in a traditional university path. Stringent entry requirements, motivated students and instructors, and goal oriented content have produced a 90% completion rate.

LexisNexis is focused on updating the skills of its high tech work force. In 2003, *Training Magazine* named LexisNexis one of the top training companies in the country, and JEDI was cited as one reason for this award. IT@Sinclair and LexisNexis are exploring ways to expand Fast Track to other professional competency development and certification programs.

Fast Track responds to student, employer and academic demands for a flexible, precision based

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***Fast Track programs deliver what practitioners want: up-to-the-minute technologies taught at an accelerated pace with an emphasis on practical application in the work world.***

*Patricia Santoianni, Professor  
Computer Information Systems  
Sinclair Community College*

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approach to IT certification and degree attainment. Full-time, part-time and intermittent students can pursue targeted training, and academic institutions can offer competency based programs that meet an immediate learning need and contribute to degree requirements. To date, more than 3,500 students have participated in Fast Track programs.

### Industry Certification Programs

Three highly specialized industry certifications build valuable skills and marketable technical credentials in these high demand areas:

- Cisco Certified Networking Associate (CCNA)
- Microsoft Certified Systems Administrator (MCSA)
- Microsoft Certified Systems Engineer (MCSE)

The Cisco Certified Networking Associate (CCNA) industry certification program consists of four courses (28 credit hours). It focuses on enhancing skill in designing, building and maintaining networks capable of supporting national and global organizations. It combines traditional class work with extensive hands-on, competency based activities. Students who complete this program and successfully pass the standardized exam receive a CCNA™ certification.

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# IT@Training & Development

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The Microsoft industry certification track prepares students for the Microsoft Certified Systems Administrator (MCSA), Microsoft Certified Systems Engineer (MCSE), and/or Microsoft Certified Professional (MCP) exams. MCSE is the premier certification for those who analyze business

requirements for a system architecture. Students learn to design solutions; deploy, install and configure architecture components; and troubleshoot system problems. Students who complete this program and successfully pass the standardized exams receive the MCSA, MCSE or MCP certification. All industry certification credits can be applied toward the Computer Information Systems associate degree. Sinclair Community College is a Cisco Regional Academy and a Microsoft IT Academy.

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***Sinclair's approach makes certification programs accessible and affordable to more people.***

*James Horton, Coordinator  
Cisco Regional Academies  
Sinclair Community College*

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## Technical Certificate Programs

At Sinclair, five Fast Track programs can be completed in nine months or fewer, and the credits earned can be applied toward an associate degree. Fast Track technical certificate programs help individuals rapidly build skill in a range of computer technology fields, and they include:

- Fast Track Programmer Analyst/Software Engineer
- Help Desk Analyst
- Java Enterprise Development Implementation (JEDI)
- Web Authoring
- Web Programming (Visual Basic or Java Tracks)

Certificate programs typically consist of three quarters of highly targeted course work and lab experiences. Technical certificates position students for higher wage positions, respond to employers' needs for technically skilled workers, and correlate to the top

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***Because technology permeates every industry, the demand for people with IT skills will continue to grow.***

*Ann Gallaher, Director  
Greater Dayton IT Alliance*

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employment growth areas for the Miami Valley and Ohio. Students acquire marketable skills and credits that can be applied toward the Computer Information Systems associate degree.

## IT@The Learning Center

The Learning Center at Miami Valley Research Park is a state-of-the-art information technology center located in the heart of a regional high tech business park. A unique collaboration of Sinclair Community College, the Ohio Board of Regents and IT@Sinclair, the center offers a learning-on-demand environment for IT students, professionals, businesses and the community. Through custom training and development programs, the center helps organizations expand their capability, capacity and performance. These programs run the gamut from advanced technologies and IT competencies to soft skills essential for success in the work world.

Fast Track and just-in-time strategies mean programs can be developed quickly and delivered at an accelerated pace that responds to the ever-changing needs of individuals and corporations. Training and development programs are carefully aligned with the Computer Information Systems curriculum, so that participants can apply their learning toward their associate degree. IT and learning experts are also available to conduct individualized and corporate learning assessments and personalized feedback.

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***Our goal is to be the premier IT work force development provider in the region.***

*Dan Brazelton, Dean  
Corporate & Community Services  
Sinclair Community College*

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## IT@Leadership Excellence

IT@Sinclair and its partners are recognized leaders at the regional, state and national levels. Miami Valley Tech Prep Consortium (MVTPC) and IT@Sinclair were featured as “proof of Tech Prep success” at the 2002 National Tech Prep Network Conference. The IT program is the fastest growing pathway in the consortium, and MVPTC has received recognition from the U.S. Department of Education for the caliber of its programs.

Sinclair Community College was the recipient of the prestigious MetLife Foundation Community College Excellence Award in 2002. In 2003, LexisNexis was named one of the nation’s leaders in job-related training and development, due in part to its collaboration with IT@Sinclair. Furthermore, our region was named one of the top ten locations in the country for outstanding educational opportunities, yet another way that the caliber of Sinclair Community College and programs such as IT@Sinclair are achieving national recognition.

As part of its leadership role, IT@Sinclair has been instrumental in developing and disseminating a comprehensive series of best practices, how-to manuals and case studies. These documents are distributed in print and online, and provide replicable models for designing, implementing and managing the IT curriculum, competency assessment, learning opportunities, employer feedback on competencies, and more.

## Greater Dayton IT Alliance

The Greater Dayton IT Alliance (GDITA) is the region’s IT trade association and economic development organization. With more than 270 corporate, academic and government members, it was the model for Ohio’s IT Alliance.

GDITA and its members helped create ITworks.ohio, a nationally recognized competency based standard for IT education. With MVTPC, it created the IT mentorship program for high school students, and more than 90 students and 50 companies have participated in the program. GDITA sponsors an IT scholarship that’s provided more than \$20,000 to local college students.

GDITA and IT@Sinclair collaborated with local companies to create the Fast Track Programmer Analyst program, responding to employer and community needs. It partnered with Wright-Patterson Air Force Base and training providers, such as The Learning Center, to design and deliver technology training to WPAFB workers, bringing \$2 million in federal funds to our region. GDITA is leading the development of the Dayton Metropolitan Internet Exchange (DMIX), advanced skills training for workers, knowledge mining for advanced information search and retrieval, and the commercialization of leading-edge IT technology.

**Best practices serve as how-to models for programs throughout the country.**

**Examples include:**

- How to Design & Implement Information Technology Tech Prep Programs
- Implementing Competency Based Learning Evaluations
- Creating a Seamless Information Technology Curriculum
- Using the Learning Opportunity Decision Support Technology
- Designing & Implementing Instructor Resource Guides
- Managing for Success: The Insider's Guide to NSF Project Management
- Capturing Competency Based Employer Feedback

*Best practices can be ordered through IT@Sinclair or viewed online.*

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***The IT@Sinclair and Tech Prep partnership has spelled 'success' for thousands of young people and hundreds of IT employers throughout the Miami Valley.***

*Ronald Kindell, Director  
Miami Valley Tech Prep Consortium*

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# IT@Sinclair & Its Award Winning Partners

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## IT@Sinclair

- Technological Leadership (1999 - present)  
Cisco Regional Academy, Microsoft IT Academy, National Science Foundation Advanced Technology Education site
- Site Visit (2002)  
Ohio Sen. George Voinovich regarding IT initiatives related to military needs
- Keynote Session: National Tech Prep Network Conference (2002)  
IT program, students, educators and industry partners featured as “proof of Tech Prep’s success” in the opening session and as keynote panel
- Teaching Excellence Award: Patricia Santoianni (2003)  
National Institute for Staff and Organizational Development
- Preconference: National Tech Prep Network (2003)  
IT@Sinclair and MVTPC invited to present workshop on managing a successful National Science Foundation grant

## Miami Valley Tech Prep Consortium

- Best in the Nation Parnell Tech Prep Excellence Award (1996)  
Presented by the American Association of Community Colleges
- Excellence in Tech Prep Education (1996)  
Presented by the U.S. Department of Education
- Automotive Mentoring Program (1998)  
Caterpillar Exemplary Worksite Learning Award  
Presented by the National Tech Prep Network
- Honorable Mention: Tech Prep Marketing (2002)  
National Tech Prep Network
- Mentor Study (2002)  
One of six participants in a U.S. Department of Education/University of Illinois national study of effective mentorship programs
- Site Visit (2002)  
U.S. Department of Education Deputy Assistant, Hans Meeder, to research best practices for Carl D. Perkins legislation reauthorization
- The League for Innovation: College and Career Transitions Initiative (2003)  
One of fifteen national sites selected to develop and refine best practices that align education with careers

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*High school students learn by doing, through high caliber internships and mentorships in IT environments.*

*Robert Sheehan, IT Liaison  
Miami Valley Tech Prep Consortium*

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## Sinclair Community College

- MetLife Foundation Community College Excellence Award (2002)
- Vanguard College
- Recipient of more than \$7.5 million in National Science Foundation grant awards
- Home of the National Center for Manufacturing Education (NCME) and the Advanced Integrated Manufacturing (AIM) Center

## LexisNexis

- LexisNexis was named by *Training Magazine* as one of the top training companies in the country; JEDI and the partnership with Sinclair were cited as reasons for this award (2003)

## IT@Information

IT@Sinclair is a focal point for IT information, including educational and industry trends; degree, certificate and certification programs; professional development opportunities; and valuable links to related sites and resources. To obtain more information about specific programs, network with related sites, order best practices or review impact reports, contact:

- **IT@Sinclair**  
(937) 512-3125  
<http://IT.Sinclair.edu>  
e-mail: [IT@Sinclair.edu](mailto:IT@Sinclair.edu)

To learn more about other programs described in this report, contact:

- **Organizational Development & Technology Training**  
The Learning Center at Miami Valley Research Park  
(937) 252-9787  
<http://mvrp.sinclair.edu>
- **High School IT Programs**  
Miami Valley Tech Prep Consortium  
Building 12, Room 12201  
(937) 512-5146  
[www.mvtechprep.org](http://www.mvtechprep.org)
- **CIS Associate Degree & Technical Certifications**  
Computer Information Systems  
Building 5, Room 5111  
(937) 512-2892
- **CIS Course Scheduling & Transfer**  
Business Technologies Counselors  
Building 6, Room 6131  
(937) 512-3054
- **Employment Opportunities**  
Career Planning & Placement  
Building 10, Room 10315  
(937) 512-2772  
Cooperative Education  
Building 10, Room 10311  
(937) 512-2769



*This material is based on work supported by the National Science Foundation's Advanced Technological Education division under grant number DUE 9950028. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect those of the National Science Foundation.*