



MADISON REGION
ECONOMIC PARTNERSHIP

INFORMATION TECHNOLOGY

THE MADISON REGION: A HOTBED FOR INFORMATION TECHNOLOGY



Madison and the surrounding eight-county region have experienced a meteoric rise in IT employment over recent years.

From 2000-2012, employment in software publishers grew by more than 485% in Dane County compared to 7% nationally. With more than 33,000 IT workers and over 500 IT establishments across our eight counties, the Madison Region simmers with smart, capable individuals ready to fill high-tech positions.

LEARN MORE

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The Madison Region consists of Columbia, Dane, Dodge, Green, Iowa, Jefferson, Rock, and Sauk counties.



**MADISON REGION
ECONOMIC PARTNERSHIP**

INFORMATION TECHNOLOGY HUB

Much of the Madison Region's recent explosion in IT employment is because Epic Systems – the region's largest private sector employer and the nation's leading developer of electronic medical records – calls the Madison Region home. Each year, over 1,000 employees depart Epic, starting spin-off companies that have positioned the region as the country's premier location for healthcare IT.

33,000  EMPLOYED

 **500+**
ESTABLISHMENTS

In addition to healthcare IT, the Madison region provides an ideal home to gaming companies like Raven Software and Filament Games; IT-reliant merchandisers such as American Girl, Lands' End, and ShopBop; and tech icons like Google, HP, and Zendesk. And in our start-up scene, successful stand-outs like Murfie, Snowshoe and EatStreet maintain their headquarters firmly rooted in the Madison Region.

A TIGHT-KNIT TECH COMMUNITY

#5

**MADISON: #5 TOP CITY
WINNING THE BATTLE
FOR INFORMATION JOBS**

Forbes, May 2014

In addition to the traditional learning that takes place in the Madison Region's higher education institutions, a robust network of professional organizations spur the ongoing learning of IT professionals and companies. Groups such as the Wisconsin Innovation Network, Accelerate Madison, and Madisonium bring together executives and entrepreneurs in the technology field to provide support, mentoring, and networking opportunities.

Growth in incubator, accelerator, and co-working spaces such as Sector67 (a hackerspace in Madison), gener8tor, Metro Innovation Center, Janesville Innovation Center, the Whitewater Innovation Center, and Whitewater Makerspace offer opportunities for start-up and small companies, and are already driving development of the region's technology sector.

TALENT THAT DELIVERS A COMPETITIVE EDGE

The Madison Region's vast network of higher education institutions and related partners that offer IT certificates and degree programs serves as a launching pad for IT professionals ready to fill positions with new and expanding technology companies. In 2013, higher education institutions in or adjacent to the region graduated over 960 eligible employees with degrees in Computer Information Science and Support Services. With 11 related degree-granting institutions located in or immediately adjacent to our eight counties, the region's IT companies enjoy a ready pipeline of talented workers.



MADISON REGION ECONOMIC PARTNERSHIP

UNIVERSITY OF WISCONSIN-MADISON

Granting certificates, bachelor and master degrees, UW-Madison's computer science program consistently ranks in the top ten computer science departments in the United States.



UNIVERSITY OF WISCONSIN SYSTEM

In addition to the flagship Madison campus, the University of Wisconsin system offers computer science degrees at its Whitewater, Platteville, and Milwaukee campuses, all located within an hour's drive of the Madison Region.

EDGEWOOD COLLEGE (MADISON)

This private four-year institution offers bachelor degree programs in computer information systems, web design and development, and computer science teaching, and boasts 100% field placement upon graduation.

MADISON COLLEGE (MADISON)

With a range of certificate programs and associates degrees in IT, Madison College's programming offerings include one of the first full associate degrees in Mobile Applications Development (Android & iPhone) in the state, as well as a cutting edge Web Software Development degree.

HERZING UNIVERSITY (MADISON)

Associate degree programs in IT include computer networking and security technology, and software development. Bachelor degrees offered include information technology, software development, and technology management.

GLOBE UNIVERSITY (MADISON EAST, MADISON WEST)

Certificates and degrees in information technology are available in software development, networking, security, web development, database design, mobile application development, and software application development.

BLACKHAWK TECHNICAL COLLEGE (JANESVILLE)

Blackhawk Tech graduates are industry-ready with associates degrees that include network specialist, web analyst/programmer, and systems security. Certificate programs include Java developer, Visual Basic.Net developer, web programming, database management, and computer hardware support.

MORAINE PARK TECHNICAL COLLEGE (BEAVER DAM)

Several specializations are available within a two-year information technology degree, and technical diploma and certificate programs include web designer/developer and information security.

SOUTHWEST WISCONSIN TECHNICAL COLLEGE (FENNIMORE)

Southwest Tech provides associate degrees in graphic & web design, network communication, and web analyst/programmer. Students learn web programming and development using XHTML, JavaScript, PHP, Java, and Visual C++.



A STEADY SUPPLY OF INDUSTRY-READY WORKERS

2012-2013 degrees conferred: Computer Information Science & Support Services

Institution	Certificate	Associate	Bachelor	Master	Doctor	Total
UW-Madison			106	82	24	212
UW-Milwaukee			129	16	1	146
UW-Platteville			33	2		35
UW-Whitewater			26			26
Beloit College			2			2
Blackhawk Technical College		24				24
Edgewood College			12			12
Globe University (Madison East, West)		6				6
Herzing University		50	49			99
Madison College	163	119				282
Moraine Park Technical College	47	49				96
Southwest Wisconsin Technical		21				21
Total	210	269	357	100	25	961

Source: National Center for Education Statistics, College Navigator.

Note: includes programs and award levels that are offered as distance education program.

PROGRAMMING LANGUAGES, MARKUP LANGUAGES AND FRAMEWORKS OFFERED

Institution	Offerings
UW-Madison	Java, C++, Matlab, Perl
UW-Milwaukee	Java, C, C++, HTML, CSS, JavaScript, ML, Prolog, Lisp, Cool, XML, XSLT, Matlab, FORTRAN
UW-Platteville	C++, Java, SQL, C#, VB.NET, Assembly, Scheme, Ruby, Ada Cobol
UW-Whitewater	Java Windows, Linux, C++ Linux, Javascript Windows, Linux, PHP Linux, Perl
Blackhawk Technical College	JavaScript, HTML/HTMLS, CSS/CSS3, Java, MySQL, jQuery, VB.NET, PHP, ASP.NET, Objective-C
Edgewood College	Java, SQL, MySQL, JavaScript, JSP, ASP, PHP
Herzing University	C++, C, C#, Java, JavaScript, PHP, OpenGL, SQL, HTML, and XML
Madison College	ASP.NET, C, C#, Cocoa Touch, CSS, Drupal, HTML 5, Java, JavaScript, jQuery, Objective-C, PHP, PL/SQL, Ruby on Rails, PowerShell, Python, SQL, XML, XSLT, XSD

Source: UW-Madison, UW-Whitewater, UW-Platteville, UW-Milwaukee, Edgewood College, Madison College, Herzing University, Blackhawk Technical College.