



LIFE SCIENCES THRIVE IN THE MADISON REGION

A hotbed of innovation in the life sciences sector, the **eight-county Madison Region claims an array of groundbreaking discoveries in biosciences and biotechnology.** The region boasts long-standing leadership in world-class biotech research and development, paired with a deep concentration of major life science firms that have chosen to build headquarters here. Well-funded research and development initiatives, competitive higher education institutions, and established support institutions solidify the Madison Region's role as a leader in the life sciences.

A CONCENTRATION OF JOBS AND COMPANIES



According to Economic Modeling Specialists International, the bioscience industry directly supported **over 10,000 regional jobs** in 2012. Regional sector employment is balanced between large, nationally known companies such as Promega, Covance, Thermo Fisher Scientific, and GE Healthcare, and smaller companies such as Exact Sciences, Lucigen, and Quintessence Biosciences.

Companies like SHINE Medical Technologies and Northstar Medical Radioisotopes have successfully transferred products from research to market, choosing to remain in the region to build manufacturing facilities and create related jobs.

DRIVEN BY RESOURCES AND TALENT

The Madison Region's life sciences sector is fueled largely by UW-Madison, which ranks 4th nationwide in federal research funds with **over \$1 billion in expenditures, more than half of which is spent directly in life sciences.**

Several pioneering breakthroughs have occurred in the Madison Region, including the first human embryonic stem cells to be grown in a laboratory. Regional higher education institutions propagate an **infusion of young talent into the life sciences industry.**



BIOFORWARD: PROMOTING WISCONSIN'S LIFE SCIENCES INDUSTRY

BioForward is the state-level trade association that represents and addresses biotech and bioscience issues in Wisconsin. With research, networking, and advocacy capabilities, BioForward is an important voice of this sector.

MadREP and BioForward have partnered to initiate a supply chain mapping project for the Madison Region, with biotech serving as the pilot industry. This new tool will provide business-to-business and business-to-consumer resources for emerging and small-to medium sized firms in the region.

LEARN MORE ABOUT LIFE SCIENCE OPPORTUNITIES IN THE MADISON REGION

Contact Michael P. Gay, CEcD, Senior Vice President of Economic Development at Madison Region Economic Partnership (MadREP).

608.443.1953
michaelg@madisonregion.org
www.madisonregion.org

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



UNIVERSITY OF WISCONSIN SYSTEM

The University of Wisconsin System Schools located in or adjacent to the Madison Region support the region’s strong history and exceptional strength in the life sciences industry. In 2011-2012, these system schools granted a combined total of 4,000+ life science related degrees, with the flagship UW-Madison campus leading the way at nearly 3,000 related conferrals.

TECHNICAL COLLEGES IN THE MADISON REGION

Degrees and certificates in bioinformatics, biotechnology, horticulture, and stem cell technologies are among programs offered at regional technical colleges, while information technology, manufacturing, and laboratory technician programs offer supporting and supplementary education for this sector’s workforce.

SUPPORTING INSTITUTIONS

The Madison Region fosters life science entrepreneurs through its many incubation and co-working spaces, such as University Research Park, Wisconsin Institutes for Discovery, and the T.E.C Incubator Center at Madison College. Supporting institutions such as BioForward, Wisconsin Technology Council, and Wisconsin Alumni Research Foundation also provide a place, a voice, and resource for this sector.

2011-2012 DEGREES CONFERRED: LIFE SCIENCES

Institution	Certificate	Associate	Bachelor	Master	Doctor	Total
UW-Madison			1,629	544	784	2,957
UW-Milwaukee			770	172	72	1,014
UW-Platteville			136	1		137
UW-Whitewater			191	16		207
Beloit College			56			56
Blackhawk Technical College	364	147				511
Edgewood College			139	44		183
Madison College	2,292	444				2,736
Moraine Park Technical College	422	199				621
Southwest Wisconsin Technical			56			56
Total	3,078	790	2,977	777	856	8,478

Source: National Center for Education Statistics. Note: Degrees in Life Sciences include Biological and Biomedical Sciences; Natural Resources and Conservation; Physical Sciences; Engineering (Biomedical and Chemical); Mathematics and Statistics; Computer Information Sciences and Support Services; and Health Professions and Related Programs. Degree conferrals also include award levels offered as distance education programs

Sources: 2011 Advance Now Target Cluster Analysis, MadREP; BioForward , The Contribution of the Bioscience Industry to the Wisconsin Economy; National Center for Education Statistics.