

UWM's Impact on the Region

Johannes Britz

Interim Provost and Vice Chancellor for Academic Affairs

In the 21st century, a university's worth to its community is so high as to be priceless. Universities produce informed citizens and they are the key to global competitiveness. University faculty, staff, and students contribute thousands of hours of public service to the community.

And yet, the message that we are an *essential* ingredient for future success—a human resource that replenishes the broader human capital of the regions we serve—is not as widely understood as it should be in today's public policy debates.

My message in this month's *Report* column is to reiterate our immense value to Milwaukee and the State of Wisconsin. Whether we are meeting a critical work force need, conducting research that advances Milwaukee's economic competitiveness, or serving the public good, UWM is moving the state forward. I present below some illustrative examples of UWM's regional impact. Additional examples are on the Academic Affairs web site, and I encourage you to visit the site to add your own evidence, which we can use in making our case with key external stakeholders and members of the general public.

Enhancing Quality of Life

- The UWM College of Health Sciences (CHS) has developed and fostered **senior wellness programs** in conjunction with the Milwaukee County Department on Aging (MCDA). The "Wellness Works" program is a community-academic partnership between the CHS and MCDA that provides free access to physical activity and exercise programming housed within local community senior centers. This program touches the lives of an average of 1500 seniors per year, providing expertise and support to change and increase physical activity behavior. Outcomes research has revealed that sustained participation in these programs results in increased physical fitness levels, reductions in blood pressure and markers of obesity, and improvements in self-esteem and overall quality of life measures.
- The **Peck School of the Arts** is the most prolific arts presenter in Wisconsin, offering more than 350 dance, music, and theatre performances, film screenings, and art exhibitions each year.
- Faculty in the **School of Public Health** are collaborating with Milwaukee Public Schools to revise and enhance the ninth grade health curriculum to strengthen the

focus of student learning about health promotion activities that will contribute to healthier lives across the spectrum of life.

- The Department of Africology was instrumental in the establishment of the **Community Brainstorming Conference (CBC)** 40 years ago, which today is the premier monthly forum for discussion of community issues. The CBC has met every Saturday since its founding, with an average attendance of approximately 135 individuals, for the purpose discussing a variety of concerns, issues, and problems of local, national, and international importance, especially ones that affect substantively the interests of the Milwaukee community in general, and the African-American community in particular, it has become a highly valued institution in Milwaukee.
- The **English Department** fosters innovation in the region's arts and culture communities. The Poetry Everywhere program placed short animated films, narrated by national poets and drawn by local students, on local and national transit systems, and the Eat Local Read Local campaign puts free poetry cards, featuring poems by local poets in the hands of diners at local-centric restaurants each year during National Poetry Month.
- **Africology**
Teaching: Dr. Winston Van Horne is responsible for the two introductory courses on African-American history taught over the course of three decades at UWM have opened up to thousands of students, over two hundred each academic year, significant bits of information pertaining to the labor and work of Africans/African-Americans/black in the building and persistence of the American Republic, to which it is unlikely that they ever would have been exposed otherwise. Over the years, I have had far too many former students to recall who have thanked me for what they learned in the courses, and the difference the knowledge they acquired had made in their daily lives, years after they had taken one or both of the courses.

Research: Dr. Erin Winkler does research on how children develop ideas about race has important practical applications for parents and educators, is presented in accessible language. For example, such research was featured on Milwaukee Public Radio in June 2009

(http://www.wuwm.com/programs/lake_effect/view_le.php?articleid=7390),

MilwaukeeMoms.com in February 2011, and has become part of the curriculum for an Early Childhood Professional Development Program run jointly by UW-Stout and HighReach Learning

(<http://www.highreach.com/highreach/cms/portals/0/pdf/579110.pdf>).

Service: About 22 years ago, Dr. Doreatha Mbalia and Dr. Ahmed Mbalia organized *Watoto Uhuru Shule*, a free weekend school for community children focusing on

African history and culture for youths 2-18 years of age, and it continues to the present. Some of the children involved have since graduated from college and now are teachers themselves!

➤ **Anthropology**

Professor Robert Jeske runs the Department's Program in Midwestern Archaeology, which works closely with a state, local, and Tribal governments to help them manage the physical properties that represent their heritage. In cooperation with the Ho-Chunk Tribal Nation, we have helped develop and refurbish several burial mound sites owned by local governments, including Nitschke Mounds in Dodge County, Lizard Mounds in Washington County, and Garmin mounds in Jefferson County.

Paul Brodwin serves on the Milwaukee Mental Health Task Force (MHTF), an interagency coalition working towards better delivery of services to people with severe mental services. He helped plan the 2010 MHTF summit on "Mental Health: Race, Ethnicity, Culture" that attracted 250 people from major public, private and non-profit health care providers in southeastern Wisconsin.

The Departments of Anthropology and Art History at UWM co-sponsor and host six to seven lectures each year that are free and open to the public; together they constitute the Milwaukee chapter of the Archaeological Institute of America, the oldest archaeological organization in the country. Lectures have frequently attracted audiences of over 100 people and are regularly mentioned in local print media, including the Milwaukee Journal Sentinel. In 2010 the Milwaukee chapter of the AIA partnered with the Milwaukee Public Museum in organizing the first annual Archaeology Fair aimed at children and families; the second Archaeology Fair, to be held at the MPM for the second year, is planned for this March. Faculty actively involved in this effort are: Bettina Arnold (Anthropology); Derek Counts (Art History); Elisabetta Cova (FLL/Classics); and Jane Waldbaum (Art History Emerita). URL: <http://www4.uwm.edu/archlab/AIA/index.cfm>
Archaeology Fair: <http://www4.uwm.edu/archlab/AIA/fair2011.cfm>

Our staff provide free lectures on topics of interest to local audiences, such as the Milwaukee Area Welsh Club, the Conference for Celtic Women, the Irish Genealogical Society of Wisconsin and the Wisconsin Archaeological Society.

➤ **Art History**

UWM is the institutional home and support base for the Milwaukee Society of the Archaeological Institute of America, one of about 100 local societies of the AIA in North America.

While it's the largest and oldest organization in North America devoted to world

archaeology, the AIA is also unique in that it combines academic/professional members (most of our officers are UWM faculty/emeriti) with a strong community membership. Thus the Milwaukee Society is not only a place for the university community, but also serves to an even greater extent the area community members, as well as other interested, non-members who attend our events free of charge. AIA-Milwaukee sponsors around 6 public lectures each year, with attendance usually between 50-100. These public lectures are offered free to the greater Milwaukee community and offer the chance for folks to hear the latest research in archaeology distilled and illustrated for a public audience.

➤ **History**

Members of our department have taken a leading role in developing and promoting the "March on Milwaukee Civil Rights Project" (<http://www4.uwm.edu/libraries/digilib/march/>), advancing public knowledge about the history of civil rights efforts in Milwaukee and the United States. Professors Jasmine Alinder and Robert Smith are deserving of particular mention in this regard.

The Department sponsors National History Day every year, primarily through the efforts of departmental lecturer Dr. Ellen Langill. This event stimulates study and appreciation of history among high school students in our region.

Professor Michael Gordon has been editing the Milwaukee County Historical Society's magazine.

Professors Amanda Seligman and Margo Anderson are heading a project to produce an "Encyclopedia of Milwaukee."

➤ **Psychology**

The Psychology Clinic through its specialty clinics serves a wide variety of clients outside the university. For example, Dr. Woods Tourette's Disorder specialty clinic serves is nationally known because of its unique behaviorally-based treatments for the disorder. As a result of its unique reputation clients from all over the country call for services. Likewise, Dr. Hobart Davies' Feeding clinic for children serves a unique need and is run through Children's Hospital. Dr. David Osmon's Learning Disability Clinic serves adult clients that are referred from outside agencies such as the Department of Vocational Rehabilitation, Veterans Medical Center, MATC, among others. Likewise, Dr. Bonnie Klein-Tasman's Child Neuropsychology Clinic serves outside clients with various developmental disabilities including autism, pervasive development disorder, neurofibromatosis, and other disorders. Dr. Jonathan Kanter's Depression Clinic, run out of a satellite clinic of the Medical College of Wisconsin, specializes in empirically-validated treatments for depression

such as behavioral activation and functional analytic psychotherapy.

➤ **Spanish & Portuguese**

The Portuguese program is expanding language and culture course offers, to provide the community with skills to contact a number of rapidly growing countries. This program is currently organizing initiatives (such as Brazil Day, on 5 April) to reach out to the large Brazilian immigrant community in Wisconsin, and it is establishing contacts with Brazilian authorities in the USA so as to foment the internationalization of our campus. The Portuguese program is also seeking to secure international fellowships for UWM students to study in Portugal.

In collaboration with the School of Education, the Department prepares teachers for grades PK-12. This includes educators not only for the World/Foreign Language classroom but in some cases bilingual educators who work with English Language Learners.

Estrella is working, in collaboration with the College of Nursing, School of Public Health, College of Health Sciences, and the Helen Bader School of Social Welfare in establishing a certificate program in Spanish Health Care Studies.

We frequently (normally one per semester) sponsor lectures by prominent authors, critics, and/or professors that strengthen community involvement and engagement with themes and issues important to the Hispanic community. See:

<http://www4.uwm.edu/letsai/spanish/events/>

➤ **Women's Studies**

One Women's Studies faculty member has worked extensively with the Milwaukee Muslim Women's Coalition on civil rights and cultural racism, as well as being a speaker for community outreach programs on the topic of Islamophobia.

Geog 125 (Intro. to Environmental Geography) gets roughly 125 students per semester involved in service learning, which means they are putting in hours serving Milwaukee and Wisconsin with such organizations as Growing Power (urban agriculture), River Revitalization Foundation, Urban Ecology Center, Milwaukee County Parks, and Waste Less Wisconsin.

➤ **Alzheimer's Disease and Exercise**

Dr. Carson Smith in the University of Wisconsin-Milwaukee (UWM) Department of Health Sciences in the College of Health Sciences (CHS) is leading a research team that is investigating the effects of walking exercise on memory and brain function (using MRI scans) in older Milwaukee area residents at risk for Alzheimer's

disease. The research is a multi-institutional collaboration (UWM, Marquette University, and the Medical College of Wisconsin) and we have partnered with several community organizations, health and fitness facilities, and retirement communities to deliver our supervised exercise intervention to seniors throughout the Milwaukee metro area. Recently, one participant, upon finishing our study, told us that in all of 2010 the experience in our study ranked among the top 4 things he did in 2010.

➤ **Audiology Services**

The Department of Communication Sciences and Disorders in the University of Wisconsin-Milwaukee (UWM) College of Health Sciences (CHS) has partnered with the Center for Communication, Hearing, and Deafness (CCHD) to establish the University of Wisconsin-Milwaukee (UWM) - CCHD Community Audiology Services (CAS). The CAS provides hearing evaluation, hearing aid, and cochlear implant services for individuals with hearing loss in the greater Milwaukee community.

➤ **Center for Urban Population Health**

The Center for Urban Population Health (CUPH) was officially established as a partnership of the University Of Wisconsin School Of Medicine and Public Health (UWSMPH), Aurora Health Care (AHC), and the University of Wisconsin–Milwaukee's College of Health Sciences (UWM CHS). The mission of the CUPH is to conduct and facilitate original population health research and educational initiatives that improve the health of urban communities through collaboration with academic and community organizations.

➤ **Department of Occupational Science and Technology**

Heidi Plach, Clinical Instructor in the Department of Occupational Science & Technology, completed a study in 2009 which assessed the daily life challenges, the invisible wounds of war (PTSD, TBI, Depression and Alcohol Abuse) and motivating factors for life participation of 30 young veterans. She has been a voice for this population in Wisconsin, including TV coverage and presentations at national and local conferences. She serves on the UW-Milwaukee Veteran's Advisor Council to improve the campus environment for student veterans.

➤ **R2D2 Rehabilitation Research Design and Disability Center**

The R₂D₂ Center performs interdisciplinary basic research investigations, applied research and development, and innovative instruction related to technology and disability. The R₂D₂ Center:

- a) is one of three primary research groups internationally that is studying the impact of wearing multifocal lense eyeglasses on falling with the elderly (the others are in Australia and Great Britain:

- b) Developed and hosts two world class informational websites on universal design in higher education and in the community.
- c) In a collaboration with the Occupational Science and Technology Department runs the only training program in the State of Wisconsin on Assistive Technology and Accessible Design with on-site and on-line programs

➤ **Speech and Language Clinic**

The UWM Speech and Language Clinic provides current, evidenced-based clinical services as part of the professional preparation of students in the Department of Communication Sciences and Disorders in the CHS. Although some clients may be associated with UWM, the vast majority come from the greater southeastern Wisconsin community. Most of these clients are not eligible for services through health benefits, Medicare/Medicaid benefits, or school programs. The Clinic, therefore, provides an alternative for people, esp. for those with limited financial resources. During the 2009-10 academic year the Clinic provided evaluation and treatment services to approximately 150 children and adults with a variety of communication disorders, including articulation, phonology, language, fluency, and voice. The Clinic also provided instruction for approximately 50 adults in accent or dialect reduction. This amounted to over 2500 hours of evaluation and therapy services.

➤ **School of Architecture & Urban Planning**

Community Design Solutions, working with as many as 20 communities and neighborhoods each year to create positive physical change (Susan Weistrop for more info).

➤ **School of Public Health**

The Center for Urban Initiatives is conducting applied research under contracts with community organizations including Milwaukee Public Schools, the Greater Milwaukee Committee, Wisconsin Division of Public Health, Safe and Sound Initiative, Young Leaders Academy, Brighter Futures-Continuum of Care, and others to provide information that each of these organizations need to evaluate programs, understand changing community circumstances and make quality decisions about practice and policy.

Faculty in the School of Public Health are collaborating with Milwaukee Public Schools to revise and enhance the ninth grade health curriculum to strengthen the focus of student learning about health promotion activities that will contribute to healthier lives across the spectrum of life.

Contributing to the Region's Economy

- The College of Engineering and Applied Science's **AI³ Institute for Industrial Innovation powered by ANSYS** provides world-class facilities to local industry for the entire product development cycle from concept to functional prototype with a small investment from the client industry. The equipment and software provides rapid prototyping, reverse engineering, world-class CAD and other simulation software, rapid manufacturing, and advanced characterization. AI³ is unique in the Milwaukee area, helping to foster economic growth and development. The center also trains students in the latest new product development techniques through hands-on, real-world experiences with industry-supplied problems.
- **Innovative Weather** works with community clients in both Milwaukee and southern and central Wisconsin to help them manage their weather-related decision-making processes. From the standpoint of We Energies alone, helping them to restore electrical power with a minimum of downtime has a sizable regional economic impact.
- The Center for International Education's Institute of World Affairs (IWA) co-sponsors programs on international trade and economic security issues and collaborates with the Metropolitan Milwaukee Association of Commerce on initiatives to expand trade relations, such as the US-China Business Council. The IWA assistant director serves on the board and education committee of the Milwaukee World Trade Association (MwTA) and leads the planning committee of the Wisconsin International Trade Conference. IWA organizes small group meetings for regional economic development officers and business leaders with distinguished guests, recently including the Ambassadors of Germany, Philippines, Bahrain, and United Arab Emirates.
- The School of Architecture and Urban Planning's **Inner Harbor Initiative** is a two- to three-year project focusing on redevelopment of Milwaukee's Inner Harbor. In addition to more than 150 SARUP students this semester alone, the project already involves business owners; elected officials; design, planning and engineering professionals; and the general public, all brainstorming with green design in mind.
- **Entrepreneurship Education – Inspiring the Next Generation**
The Lubar School has a nucleus of activities that provide entrepreneurship education and inspirational experiences to business students. In addition to an entrepreneurship curriculum at both the undergraduate and graduate levels, Lubar students have the opportunity to engage in meaningful project work with access to a successful entrepreneur through the La Macchia Enterprises Entrepreneur Internship Program. The School's New Venture Business Plan Competition provides a platform for students from across the UWM campus to develop and present promising business ideas that are judged by investors for cash prizes. Also, a

forthcoming student venture fund will provide seed funding for student-run businesses.

➤ **Great Lakes Transportation Enterprise Institute:**

This new collaboration is dedicated to promoting safe, efficient, cost-effective highway and other surface transportation in the Midwest or Great Lakes region through innovative research and development. Members include successful small-to-medium-sized companies and university partners with the goal of providing novel innovation, green technology, and workforce sustainability for urban mega-regions where traffic congestion significantly limits functionality and accessibility. The Institute leverages the collective strengths of Wisconsin’s public and private transportation sectors.

➤ **Center for Research on International Economics**

The Center for Research on International Economics (CRIE) serves as a resource center for the university and members of the public community who wish to broaden their understanding of economic issues and problems of the U.S. and other countries. The Center is often approached by media for comments on international and national macroeconomic issues and their impact on the region. On February 3rd, Mohsen Bahmani-Oskooee, the director of CRIE was invited to speak to Board of Directors of the Milwaukee World Trade Association on the effects of current recession on euro zone countries.

➤ **The Economic Benefits of International Education to the United States for the 2009-2010 Academic Year:**

A Statistical Analysis

NAFSA estimates that foreign students and their dependents contributed approximately \$18.78 billion to the U.S. economy during the 2009-2010 academic year.

| Institution and City | # of Foreign Students | Tuition and Fees (thousands) | Living Expenses and Dependents (thousands) | Less U.S. Support (thousands) | Total Contribution (thousands) |
|--|-----------------------|------------------------------|--|-------------------------------|--------------------------------|
| Alverno College, Milwaukee | 39 | \$726.3 | \$565.0 | \$154.2 | \$1,137.2 |
| DeVry University - Wisconsin, Milwaukee | *** | \$18.0 | \$44.3 | \$8.4 | \$53.9 |
| Marquette University, Milwaukee | 492 | \$12,594.5 | \$8,973.7 | \$7,751.5 | \$13,816.7 |
| Milwaukee Area Technical College, Milwaukee | *** | \$71.1 | \$59.8 | \$5.9 | \$125.0 |
| Mount Mary College, Milwaukee | *** | \$186.6 | \$135.9 | \$46.2 | \$276.3 |
| University of Wisconsin - Milwaukee, Milwaukee | 1057 | \$22,251.6 | \$14,737.3 | \$11,790.1 | \$25,198.8 |
| Wisconsin Lutheran College, Milwaukee | 15 | \$315.6 | \$235.6 | \$82.7 | \$468.5 |
| Congressional District: 04 Gwen Moore (D) | | | | | \$41,076.5 |

best example from the Peck School:

-The Harmony Initiative is a new vision for Milwaukee’s performing arts

community. Its goal is to establish a nationally-recognized destination where the Milwaukee Ballet, Medical College of Wisconsin, and the UWM Peck School of the Arts will increase their collaborations in the education, performance, research, and health of dancers. Balancing the pragmatic and visionary, the Harmony Initiative seeks to break new ground for the arts by leveraging financial and human resources and physical space, sharing best artistic and management practices and, most important, securing a strong future for the performing arts and making our city an artistic and educational destination nationwide. http://www4.uwm.edu/psoa/programs/dance/harmony_initiative.html

➤ **Wisconsin Energy Research Consortium:**

UWM/CEAS are founding members of this new energy-focused collaboration with three other engineering colleges in Wisconsin and nine major regional industries. WERC strengths include consulting, research, workforce development and industry expansion. The cutting-edge research projects will lead to breakthroughs in the energy, power and control fields, developing state-of-the-art technology that will lead to new products and processes and foster economic growth of regional companies.

Web address: www.energywerccs.org

➤ **Industry/University Collaborative Research Center for Water Equipment and Policy:**

The CEAS I/UCRC, one of 55 such centers supported by National Science Foundation, is only of two in the nation that focus on freshwater issues. With NSF support for five years, UWM, in partnership with Marquette University, provides research on water equipment and policy. The Industrial Advisory Board, representing the six industry partners, selects the projects to be funded, with particular attention to industrial application. Industry members represent a variety of local, regional and international organizations.

Web address: www4.uwm.edu/ceas/wep

➤ **Anthropology**

Applbaum: My ongoing research on treatment of the severe, chronic mentally ill in Milwaukee County, once it is complete, has the potential to save the county hundreds of thousands if not millions of dollar a year. My work concerns the use of expensive, branded pharmaceuticals based on their presumed community effectiveness, however, at present there is no data being sought or analyzed to measure that effectiveness against other options (e.g., as against use of generics, or more resourceful strategies for ensuring treatment compliance) and hence the

rationality of current treatment practices.

➤ **Certificate Programs**

French, Italian, & Comparative Literature

Learners of French in Southeast Wisconsin have an advantage in the global marketplace, because they are able to work for companies with offices in any of the over 60 countries where French is spoken. The French program reaches out to area high schools through several yearly activities, including UWM French day, where area students come to campus and enjoy a full day of activities centered around a French-language film. The French program also collaborates with the Alliance Francaise de Milwaukee on many community activities, such as the Bastille Days celebration, the largest such celebration in North America. The French program is responsible for the UWM festival of films in French, an annual 10-day event, in its 14th year offering the unique opportunity to view a dozen French-language films, many of them Wisconsin premiers, and nearly all of them free of charge to the public.

The courses offered by the Italian Program enable students to achieve linguistic and cultural literacy, so that they will be better prepared to complete effectively in the global marketplace. Our students contribute to the workforce of increasing numbers of US companies that have branches in Italy, as well as those in Italy that have acquired companies in southeastern Wisconsin. Among those are Johnson Controls, Iverson Languages, Johnson Wax, and Marquette Electronics. Italian is taught in area high schools, and there is an Italian Film Festival held at UWM each spring. The program in Italian also provides linguistic support to the H.E.A.R.T. Project, which is dedicated to educating people about the Holocaust. The Graduate Program in Translation has a concrete, positive impact locally, regionally (and beyond) through internship placements and through its translation/interpreting service, UWM Language Service. Select details about both programs are provided below.

Internship Placements

The Graduate Program in Translation includes an internship program that enables students in the MA program to gain field experience by working as translators, interpreters, and project managers for local, regional, national, and international businesses and non-profit organizations. Interns are particularly important for non-profit organizations unable to hire professional translators and interpreters. Here is a list of recent internship placements.

UWM Language Services

UWM Language Services was created in 2004 as a not-for-profit service connecting clients who need translation and interpreting services with students in the MA

program in Translation. The work of student translators is reviewed and edited by a faculty member, so clients are assured of high quality services.

As a non-profit entity, the program provides services at rates far below market prices and serves the needs of clients who could not otherwise afford to hire a professional. Students benefit from the program by gaining valuable work experience that enhances their professional skills and employment outlook.

Services offered:

Translation & interpreting services are regularly offered in French to English, German to English, Spanish to English, and English to Spanish. Services in other languages are also offered, depending on the availability of students and faculty in other language pairs (most often Russian & Portuguese).

In addition, the program began offering notary services for translation of official documents (birth certificates, visa documentation, etc.) in 2009-2010.

➤ **International Studies Major**

Over the past fifty years, the International Studies major has operated at the University of Wisconsin, Milwaukee. This program, originally called the International Relations Major, set a standard for UWM in promoting students' knowledge and understanding of the world that impacts on the United States and Wisconsin and has enabled hundreds of the several thousand graduates of our program to be eligible to gain responsible positions of employment in the fields of education, economic and business affairs, and the professions - here in southeast Wisconsin and beyond.

➤ **Urban Studies**

Public Events

Each year Urban Studies Programs organizes the Henry W. Maier State of Milwaukee Summit. The annual event is designed to be a forum to bring together the public, university researchers and community leaders to report on and discuss important issues facing the city of Milwaukee and the region. Last year's topic, the Future of Transit, set an attendance record for the Hefter Center; the previous year, the topic was: Milwaukee Public Schools at a Crossroads.

Research and Policy Centers

Many Urban Studies faculty are actively involved in informing and shaping public policy, forming community partnerships, and conducting research studies that directly impact our community: Most notable in this regard are: Profs. Marc Levine and Joel Rast at the Center for Economic Development, and Stephen Percy at the Center for Urban Initiatives and Research. Professor Percy also serves as current Dean of the School of Public Health.

Economic Development and Sustainable Development:

Although there are many examples to note here, I will highlight just one: The Brownfield Redevelopment Consortium that was instrumental in helping to transform the Menominee Valley into a center for economic growth and environmental stewardship. Urban Studies faculty members Chris DeSousa, Joel Rast, and Linda McCarthy have been involved in this project with assistance from some junior faculty members as well.

Encyclopedia of Milwaukee Project

Urban Studies Professors Amanda Seligman and Margo Anderson are heading up this important project (part of an RGI and other outside grants) to provide a single-volume and online reference source on the history of the Milwaukee area.

Meeting Critical Workforce Needs

- The Sheldon B. Lubar School of Business' **SAP curriculum** is filling a knowledge gap in southeastern Wisconsin and beyond. New and existing college graduates with SAP skills are in high demand, with a recent study estimating the shortage of SAP-skilled professionals at over 40,000. The Lubar School recently introduced a new set of Management Information Systems elective courses that focus on SAP skills, which provides graduates with the ability to be SAP-certified prior to entering the job market. Leading Wisconsin companies utilizing SAP include Rockwell Automation, Harley-Davidson, Johnson Controls, and Kohler.
- The **College of Nursing** provides the largest number of new graduate nurses in the state each year. In 2010 the College graduated 189 new RN's, more than 90 percent of whom remain in Wisconsin to work, predominately in southeast Wisconsin.
- The School of Information Studies' **Diversity in the Organization of Information and Its Technology** (DOIT) Project, funded by the Institute for Museum and Library Services, has educated 20 graduate students in the Master of Library and Information Science program. The DOIT program places special emphasis on attracting students from diverse backgrounds, preparing participants for careers in information organization and technology, both regionally and nationally.

- **The Masters in Human Resources and Labor Relations** is the only graduate program in the state that trains professionals equally in human resource management and labor relations. Graduates remain largely in the state and can be found in leading corporations, unions, governments and non-profits. The faculty have served as sources of expertise to the local office of the Equal Employment Opportunity Commission, the Milwaukee Public Schools as well as local governments and firms.
- Today's K-12 generation is the largest and most racially and ethnically diverse in history. The **School of Education** partners with more than 200 schools and community programs. The School graduates and places more teachers than any other school in the state. The School also offers the only the only Deaf education program in Wisconsin.

Executive Programs – Strengthening Business Leadership

- Executive Programs at the Lubar School of Business combines the experience of our long-standing Executive MBA program and our highly-regarded custom Executive Programs. Through the expertise of Lubar faculty and adjunct faculty experts, Executive Programs annually works with hundreds of individuals and companies across all types of industry to strengthen leaders, drive business results, and serve as a catalyst for regional economic development.
- **Masters in Human Resources and Labor Relations (MHRLR)**
The Masters in Human Resources and Labor Relations is the only graduate program in the state that trains professionals equally in human resource management and labor relations. Our graduates remain largely in the state and can be found in leading corporations, unions, governments and non-profits. The faculty have served as sources of expertise to the local office of the Equal Employment Opportunity Commission, the Milwaukee Public Schools as well as local governments and firms. They are also routinely tapped by the press and civic groups for their expertise on labor markets and employment relations.
- **Masters in Public Administration**
Our MPA program has trained many public officials who work in Wisconsin.
- **Anthropology**
The Museum Studies Graduate Certificate, administered by the UWM Anthropology Department in cooperation with the Milwaukee Public Museum, has produced dozens of graduates over the past decades since the program began in 1963, many of whom have remained in Wisconsin and are actively involved in running museums and museum programs throughout the state.

➤ **Certificate Programs**

English

Department graduates play an important role in the region's economy, pursuing an extremely diverse array of career paths. Graduates of the English Department program in Professional and Technical Writing in particular work in a variety of roles throughout Wisconsin, as teachers, professors, public relations specialists, grant writers, technical writers, social media specialists, and marketers.

Professional and Technical Writing also provides specialized, business-focused writing training for Wisconsin's future leaders in business, engineering, and a wide range of other fields, work we feature annually with our Business Writing Challenge.

➤ **Sociology**

A number of Sociology M.A. graduates have gone on to work in local/regional workplaces involved in research in our increasingly knowledge-based economy. To list just a few recent grads working in the area:

1) Neil McKenna, research analyst for the Brookfield based International Foundation for Benefit Plans, a nonprofit organization, dedicated to being a leading objective and independent global source of employee benefits, compensation and financial literacy education and information.

2) Briana Fox, is a coordinator of the Milwaukee office (which also serves Kenosha, Racine, Walworth and Waukesha counties) of SER Jobs for Progress, a national, private, nonprofit organization addresses the needs of economically challenged individuals in education, job skills training, literacy and employment. Briana helps to program participants into permanent, unsubsidized, and productive employment.

3) Melissa Lemke, research specialist at the Center for Urban Population Health, with particular involvement in the Milwaukee Young Parenthood Study.

4) Laura MacBridge, research analyst in the Office of Institutional Research, Marquette University

5) Molly Simmerman and Kyle Poppie, both research analysts with Nielsen Research (Chicago)

In addition, the Sociology undergraduate internship program (run by Dr. Mark Mantyh), has had a great deal of success in placing students in full-time jobs with local non-profit organizations, including Running Rebels, the Metropolitan Milwaukee Fair Housing Council, the Wisconsin State Public Defender, Planned

Parenthood, Wisconsin Community Services, the Benedict Center, and the Planning Council for Health and Human Services, where they serve some of the most vulnerable populations in the broader Milwaukee Community.

More generally, our sociological training prepares today's students for jobs in the information economy. Students must learn to process a lot of information, from a variety of sources, about complex social issues, pulling out the relevant information from the noise in order to create new knowledge or apply existing knowledge to new problems.

➤ **Urban Studies**

Recent and not so recent alums:

An important contribution to the region and state comes unquestionably from our alumni, who often stay in the city/state and go on to pursue careers of distinction that contribute positively to our communities.

This year's winners of the Scott Greer Awards for distinguished contributions to scholarship and urban affairs are:

Eric Gass (PhD, 07), City of Milwaukee Public Health Research & Policy Director
Michael Bonds (PhD, 98), President of MPS School Board and a UWM faculty member in the School of Education.

In 2008, Daniel Diliberti (MS, Urban Affairs, '73) was honored with the UWM Distinguished Alumnus Award from the UWM Alumni Association. Mr. Diliberti has given immense service to the community as a trusted public servant.

Our *Scott Greer Award* honors two alums each year and a current graduate student. I've included the link below that provides more lengthy profiles of our award winners:

<http://www4.uwm.edu/lets/urbanstudies/alumni/greerawards.cfm>

➤ **Women's Studies**

A core principle of Women's Studies is the need to put academic knowledge to use outside the classroom. For over thirty years, our majors, minors, and graduate certificate students have taken their knowledge of gender inequality into the workforce as social workers, nurses, architects, entrepreneurs (bookstore), librarians, teachers, employees in non-profit and social services agencies, and

artists. Women's Studies empowers young women to speak with knowledge and authority and to work for social change. In an increasingly diverse global world (locally, regionally, nationally, internationally), Women's Studies equips students with an understanding of the importance of inclusion which they take into their academic and non-academic careers.

➤ **Communication**

The Department of Communication has always been at the forefront of creating connections between the UWM campus and the greater Milwaukee community through its programs and access initiatives. The department was one of the college's first units to offer a for-credit internship program that has placed over 1,000 undergraduate students with local companies and service organizations and led to permanent employment for many of the students it placed. And, through its support of the Bachelors of Arts in Organizational Administration [BAOA] and online education in L & S the department has contributed to expanding access to UWM for thousands of students to assist them in completing undergraduate degrees.

➤ **Mathematical Sciences**

Supplier of Faculty for Institutions of Higher Education in Wisconsin.

Graduates of our PhD program are important members of the faculties of numerous two-year and four-year colleges in the UW-System. In many cases, the presence of our program allows those institutions to parlay local connections into higher quality faculty than they might otherwise hire (especially for the salaries they offer). Some recent examples are Anthony Van Groningen at UW-Barron County and Carrie Tirel at UW-Fox Valley; both are strong mathematicians and excellent teachers--the state of Wisconsin is lucky to have them. The Mathematics Department at UW-Oshkosh has six members with PhDs from UWM, one of whom is also a dean; Waukesha and Whitewater each have at least two of our graduates on their Math faculty--including their chair. There are many other examples we can list.

We have also provided faculty to several private colleges in Wisconsin, including Alverno College and MSOE.

1. *Training of Current and Future K-12 Teachers, especially for Milwaukee Public Schools*

In 2004, our department took a leadership role in a \$20M grant from the National Science Foundation that aimed to improve the mathematical preparation of pre-service teachers for elementary and middle grades. Faculty and other instructional staff have been involved in this effort and have expanded their outreach to include the professional development of in-service MPS teachers (with support by grants from the Wisconsin Department of Public

Instruction and NSF) and other collaborative efforts with MPS mathematics teachers and mathematics specialists.

2. *Supplier of Well-Trained Employees for the Private and Federal Sectors*

Both our undergraduate and graduate programs supply numerous alumni to work as actuaries. Of these, at least 8 have achieved an actuarial designation (e.g., Associate or Fellow of the Society of Actuaries) and work in the Midwest (7 in Milwaukee at Northwestern Mutual, Assurant, Oliver Wyman, and 1 in Michigan at Blue Cross/Blue Shield). Due to the strength of recent graduates in our actuarial science major, we expect the number of alumni having achieved an actuarial designation to double within a couple of years.

Our Atmospheric Science graduate program has: at least 8 alumni employed by the National Weather Service in the upper Midwest; at least 3 alumni working for private companies (TV forecasting, private weather service, wind energy) in Wisconsin; and at least 2 working for the National Oceanographic and Atmospheric Administration at the federal level.