

Welcome to the University of Wisconsin Eau Claire



TRANSFORMING *our* FUTURE



Rebecca Kidnie

UW-Eau Claire Senior


Vocal Performance Major

Catcher, Division III Championship

Women's Softball Team



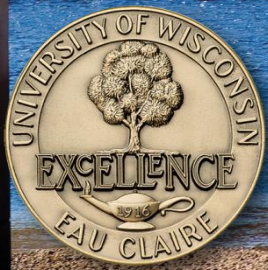
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A vertical photograph on the left side of the slide shows a campus scene. At the top, a brick building is partially visible. Below it, a grassy hill with a large 'UW' logo is shown. A paved path leads down the hill. In the middle, a blue bridge spans a river, with several people walking and a person on a bicycle. The bottom of the image shows the river and a circular seal.

Ah, Love, but a day!

Amy Beach

Pianist: Stephanie Schmidt



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Leadership



Innovation



TRANSFORMING *our* FUTURE

Sustainability



Diversity



University of Wisconsin-Eau Claire



2008 Carbon Emissions Inventory

Isaac Borofka-Webb

Senior, Economics Major

Robyn Fennig

Senior, Economics Major

Dr. Kate Hale Wilson

Campus Sustainability Fellow



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UNIVERSITY of WISCONSIN - EAU CLAIRE

Presidents Climate Commitment

What has UW-Eau Claire accomplished since the Chancellor signed the PCC in 2007?

Students researched, wrote and presented the initial greenhouse gas report, creating the baseline carbon footprint so the campus could get to work.

Chancellor created the Sustainability Fellow position to coordinate and encourage sustainability initiatives on campus.

Campus took some immediate steps to reduce greenhouse gas emissions while the more comprehensive plan is being developed.

- We established a policy that all new campus construction will be built to at least the U.S. Green Building Council's LEED Silver standard or equivalent.
- We began purchasing at least 15 percent of our institution's electricity consumption from renewable sources.
- Facilities Management began and continues a policy of reviewing and (where appropriate) reducing electrical and other utilities consumption.

What aspect of the PCC is UW-Eau Claire currently working on?:

Members of the campus community are at work on the first "Climate Action Plan" (CAP), due September 2009.

Read the entire text of the Presidents Climate Commitment, and see the list of colleges & universities that have signed www.presidentsclimatecommitment.org

"UW-Eau Claire is committed to the responsible stewardship of our natural resources. Our campus is an ideal place for people to collaborate in taking thoughtful action to address one of the most serious problems facing our society today."

Brian Levin-Stankevich

Chancellor Brian Levin-Stankevich



AMERICAN COLLEGE & UNIVERSITY
PRESIDENTS CLIMATE COMMITMENT

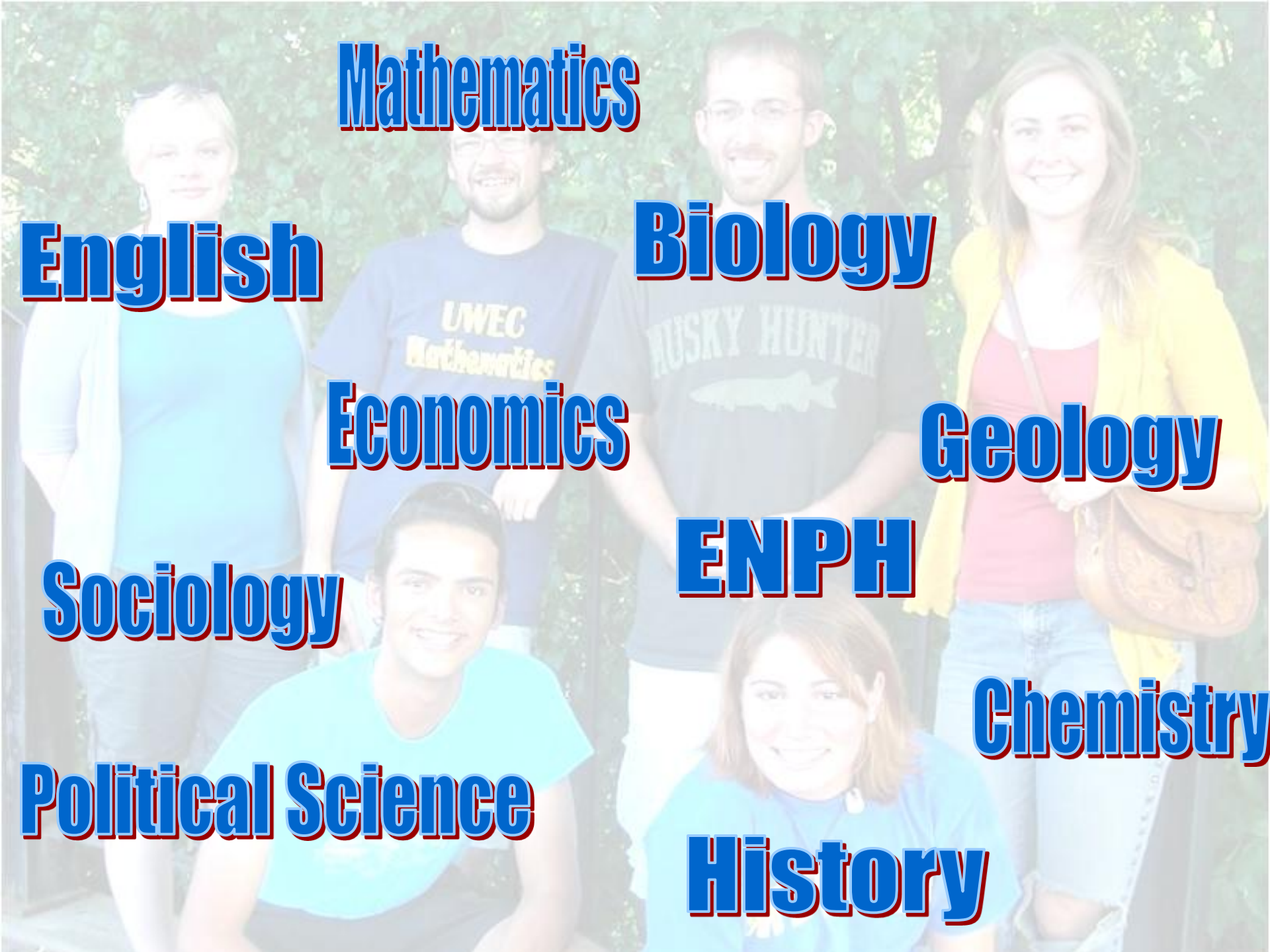
- American College & University Presidents Climate Commitment (ACUPCC)
- UWEC signed in September 2007
- Since Chancellor Brian Levin-Stankevich signed, over 300 institutions have joined
- To date, 655 signatories across the US
- Provide educational opportunities for UW-Eau Claire students



For information, call Dr. Kate Hale, Sustainability Fellow, 715-836-2761
www.uwec.edu/chancellor/sustainability/



2008 Carbon Neutral Team



Mathematics

English

Biology

Economics

Geology

Sociology

ENPH

Chemistry

Political Science

History

A photograph of a campus scene. In the foreground, a blue bridge spans a river. Several people are walking and cycling across the bridge. In the background, a large brick building is visible on a hill, surrounded by trees with autumn foliage.

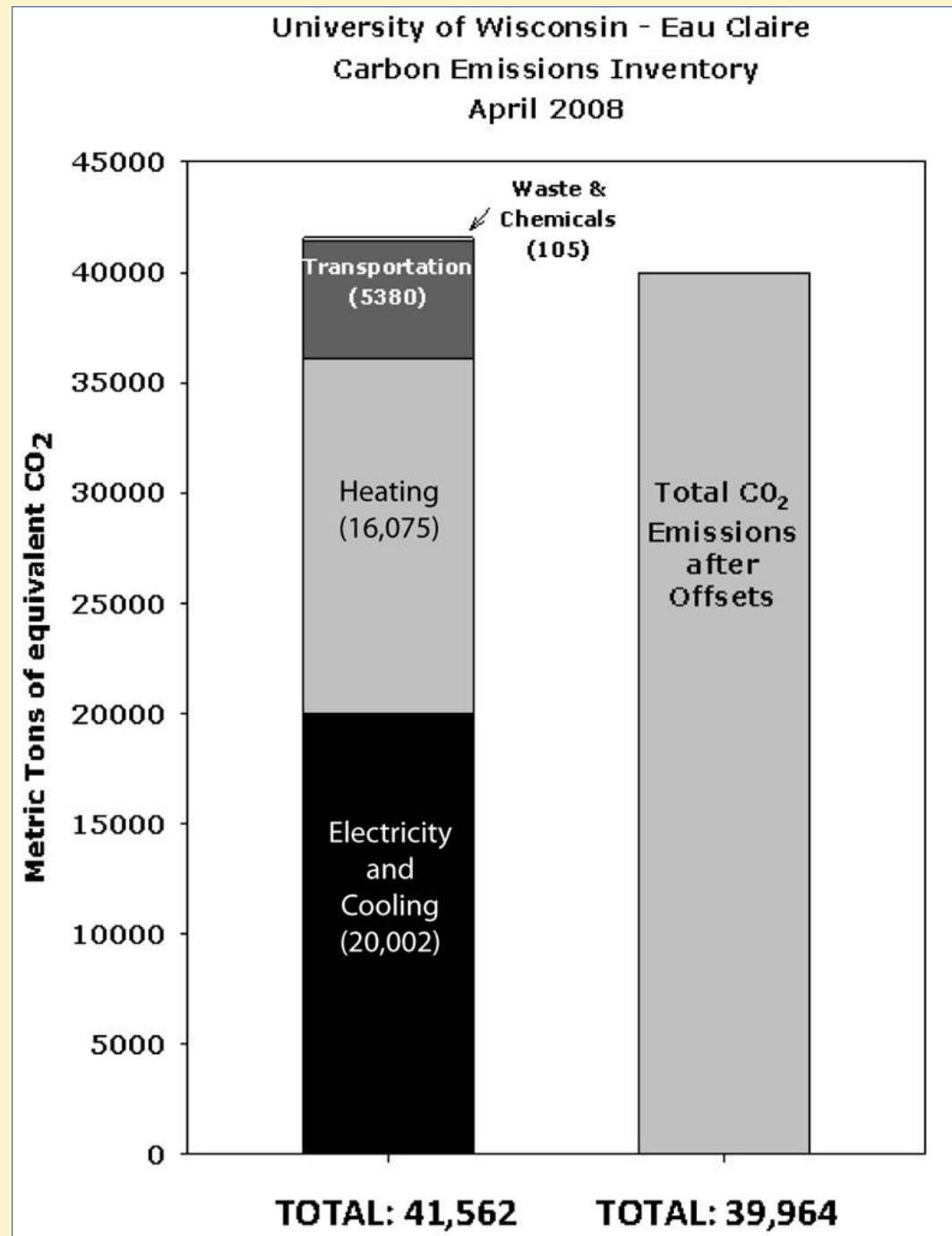
About Our Study

- CNT students decided which components went into the final calculations
- Modeled after a greenhouse gas emissions inventory at Middlebury College in Middlebury, Vermont.

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Composite figure
presented at the end
of the semester to
Chancellor Brian
Levin-Stankevich



- Recommendations from 2008 Greenhouse Gas Emissions Inventory broken into three categories
- Low Impact
 - Limit number of appliances
 - Recyclemania
- Medium Impact
 - Clean Commute Initiative
 - Reduce campus parking
- High Impact
 - Window upgrades
 - Improved lighting
 - Heating Plant Upgrades
 - Fuels, gas turbine, geothermal technology
 - LEED Certification



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Sustainability Initiatives at UW-Eau Claire

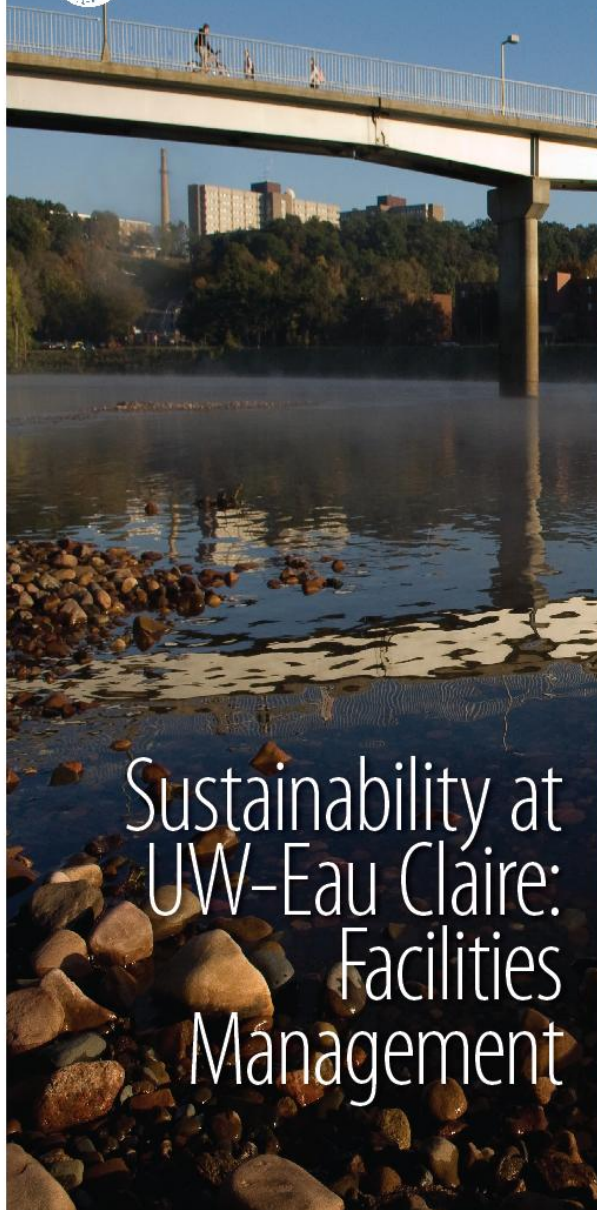


For information call: 715-836-2761 www.uwec.edu/chancellor/sustainability/

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UNIVERSITY of WISCONSIN - EAU CLAIRE



Sustainability at UW-Eau Claire: Facilities Management

ENERGY:

UW-Eau Claire consumes between 22 and 27 percent renewable electrical energy from sources of hydro, wind and RDF (refuse-derived fuel). Additionally, since Fiscal Year 2005, energy use per gross square foot has been reduced by 6.8 percent.

PURCHASING:

Custodial Services, already using Green Seal-certified cleaning products for many years, just started using a new technology that employs activated ionized tap water — instead of a chemical cleaner — for normal cleaning of floors and general surfaces. This technology reduces VOCs and stops sending chemicals and packaging into the waste stream.

WASTE:

For fiscal year 2007-08, Veolia removed a total of 1,954,180 pounds of refuse from UW-Eau Claire, including 543,180 pounds of recycling materials — so the university's waste diversion rate is 28 percent.

TRANSPORTATION:

The purchase of one electric truckster and three NEVs (Neighborhood Electric Vehicles) will save 1,200 gallons of fuel annually. The addition of a Toyota Prius Hybrid to the Rental Fleet vehicle system will save an estimated 480 gallons of fuel annually.

ENERGY/WATER:

An Upper Campus Chilled Water Distribution System, under construction, will eliminate 2 one-time-through water-cooled A/C condensers in Towers Hall (along with 3 other chillers). This change will save 90,000 gallons of water annually.

PLACE:

Facilities Planning and Management continues to practice an IPM (Integrated Pest Management) program that minimizes the use of pesticides. A "Biological Turf Management" program, in place for several years, uses a blend of organic and synthetic fertilizer products — and regular soil tests allow us to apply this only as required rather than at an industry-recommended rate.

ENERGY:

Systematically, campus buildings are being analyzed for lighting renovation projects (number of lamps, wattage, ballasts and occupancy sensors). Lower wattage lamps and ballasts were installed in Schneider Hall, Maintenance and Central Stores, the McPhee gymnasium, Phillips Hall and the Library. Over 6000 lamps were removed and will not be replaced. These changes save ~234,200 kilowatt hours (\$14,500) annually. Lighting renovation for Ade Olson and Zorn Arena are planned next.



For information call: 715-836-2761 www.uwec.edu/chancellor/sustainability

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UNIVERSITY of WISCONSIN - EAU CLAIRE

Sustainability at UW-Eau Claire: Clean Commute Initiative



Faculty, Staff and Students for Local Car-Free Travel

Mission:

To promote the environmental and health benefits of reducing automobile use in favor of alternative transportation methods to, from and around campus.

There is a growing desire to distinguish the University of Wisconsin-Eau Claire and the City of Eau Claire as an environmentally aware, active and responsible community. Given the need and opportunities for immediate action, we believe that:

- UW-Eau Claire is well positioned to be a motivating force and partner for local community change in ways that benefit the entire Eau Claire community.
- UW-Eau Claire faculty and staff should make every effort to put into practice the environmentally sustainable lifestyles and principals advocated on campus and in our community.

In signing this initiative, we, the faculty, staff, and students of UW-Eau Claire:

Call upon the UW-Eau Claire Administration to

- Take immediate action to make UW-Eau Claire a model campus for clean commuting.
- Set an example for positive local change.
- Use its local prominence to work with other local institutions to accomplish community-wide changes that encourage, enable, and popularize reduced reliance on the automobile in the daily life in Eau Claire.

Commit to

- Riding our bikes, walking, roller-blading, taking public transportation, car pooling or otherwise leaving our cars at home when coming to campus.
- Encouraging our colleagues and students across campus to join us in doing the same.

The entire CCI resolution is available on-line at www.uwec.edu/Chancellor/sustainability/trans/

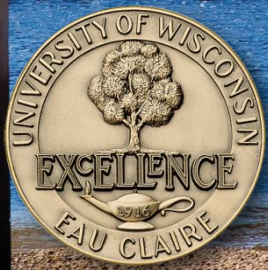


For information call: 715-836-2761 www.uwec.edu/chancellor/sustainability/trans

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- Robyn
 - Serve as student-mentor to the Carbon Footprint Course, Spring 2009
 - Graduate School Plans
- Isaac
 - Climate Action Plan (CAP)
 - Study abroad



A vertical strip on the left side of the slide shows a campus scene. At the top, a brick building is partially visible. Below it, a grassy hill with a winding path leads down to a blue bridge. Several people are walking and cycling across the bridge. In the foreground, a blue river flows. At the bottom of this strip is the University of Wisconsin-Eau Claire seal.

Materials Science Center

Dr. Douglas Dunham

Director, Materials Science Center

Dr. Marcus McEllistrem

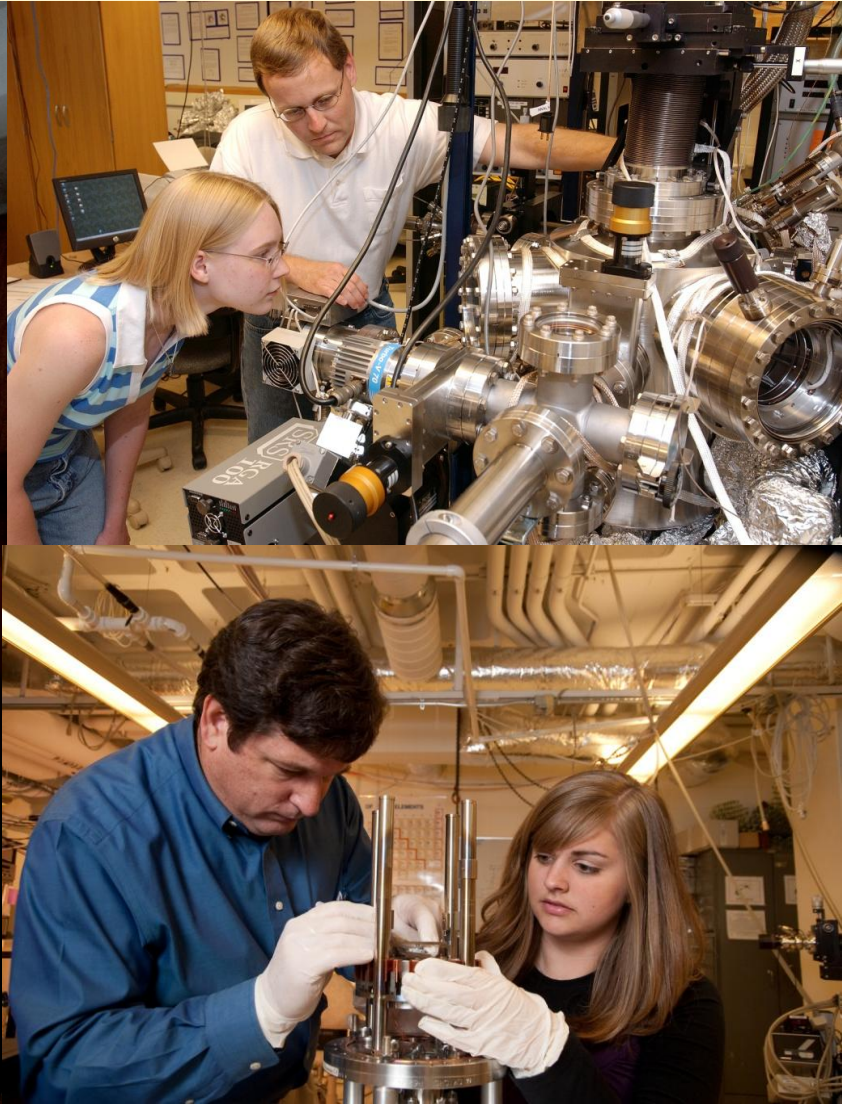
Director, Materials Science Center Academic Programs

Patrese Hoffman

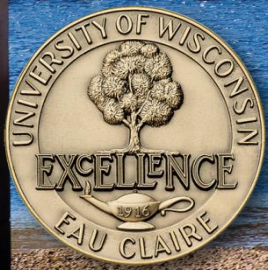
Senior, Physics Major

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The University of Wisconsin-Eau Claire Materials Science Center

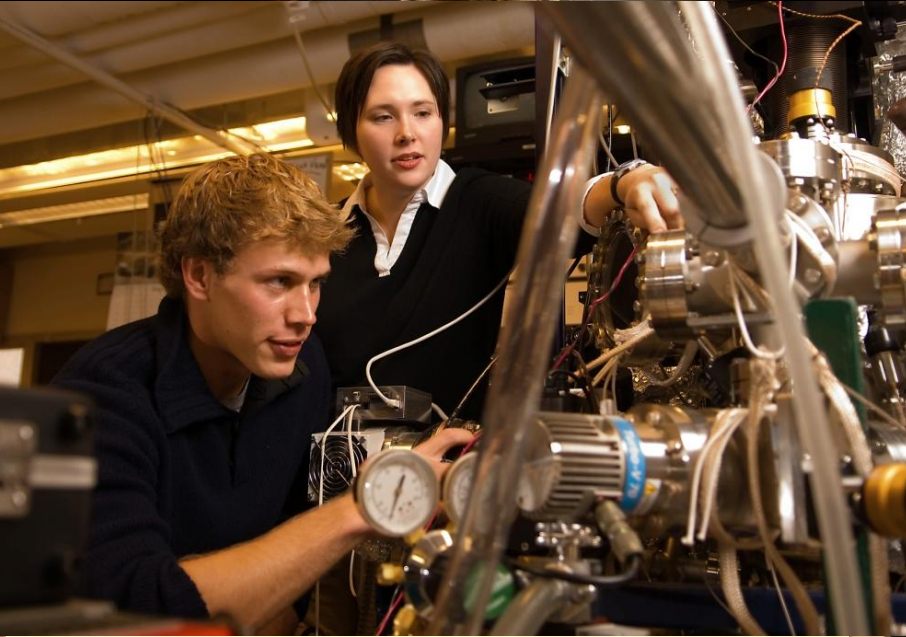


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Mission:

Student-faculty research
K-12 Outreach
Industrial Outreach

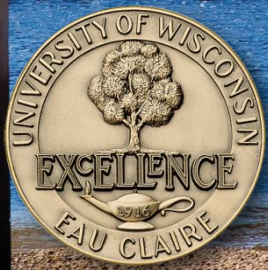


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NanoSTEM DIN

(UW System Growth Agenda)

1. Educating more students in advanced STEM disciplines, including nanotechnology, biotechnology, polymer engineering and computer and electrical engineering;
2. Providing access to state-of-the-art science and engineering facilities and expertise for both students and regional businesses and industry as more public-private partnerships are promoted and sustained in the Chippewa Valley region to provide a positive economic impact for knowledge and technology based industries;
3. Building a three-pronged workforce skill set of science, engineering, and technology through which to attract and retain the high-end employers of tomorrow.



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K-12 Outreach

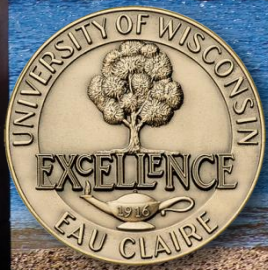
Altoona
Durand
Augusta
Fall Creek
Eau Claire
Eleva-Strum
Osseo-
Fairchild
Chippewa
Falls
Prescott
Mondovi
Gilmanton
Stratford



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Industrial Outreach

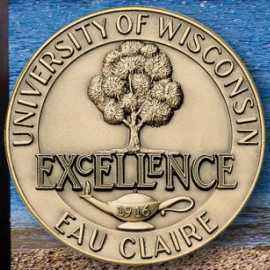
- CleanWater Solutions
- Catalytic Combustion
- Northern Engraving
- Silicon Graphics Inc (SGI)
- Cardinal Glass – 3 plants (WI, OK, NC)
- Earth Mimic
- Extrusion Dies Inc
- OEM Fabricators/OEM Micro
- Nestle
- Linetec
- Phillips Plastics
- Phillips Metal Injection Molding
- Phillips Multi-Shot
- US Filter/Siemens Water Technologies
- **Resonant Microsystems**
- Microassembly
- Altoona Lake District
- Swanstrom Tools
- TaylorMade Products
- CoolScience
- Steve's Scoring
- Atlas Materials Testing
- McMillian Electric Company
- All Metal Stamping
- Elemental Scientific Inc



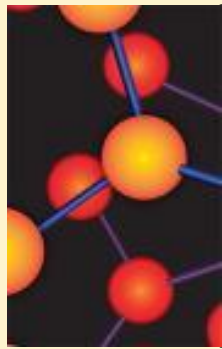
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Collaboration with Resonant Microsystems

- A new high tech company in the Chippewa Valley
- Materials characterization by the Materials Science Center
- Currently at 13 employees
- Employs 3 UWEC interns
- Projected to be to 30 employees by the end of next year



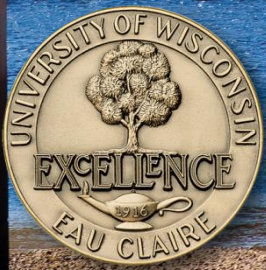
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CENTER FOR ADAPTIVE MICROSYSTEMS

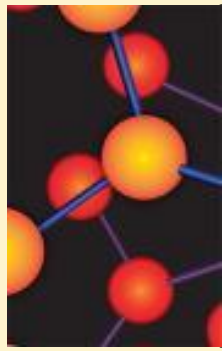
A collaboration between:

- Engineers at Resonant Microsystems
- Faculty at Purdue University
- Faculty at UW-Eau Claire
- Faculty at CVTC
- Faculty at UW-Stout



Focal Project
Nanoswitches

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CENTER FOR ADAPTIVE MICROSYSTEMS

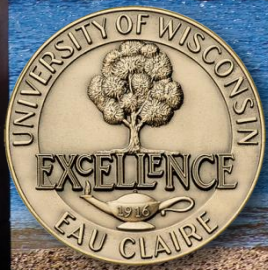
At present:

- CVTC: NanoRite
- Purdue: Design (and results from prototype)
- UW-Eau Claire: Characterize contacts
- Resonant Microsystems: Manufacturing
- UW-Stout: Manufacturing Engineering

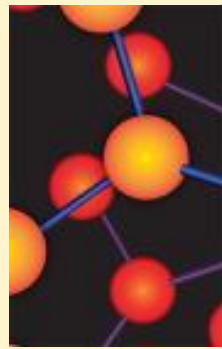
Resonant Microsystems has purchased a \$350,000 instrument that will be housed at UW-Eau Claire

Prospective collaborators:

- Faculty at sister UW campuses could bring expertise in new materials for nanoswitches.



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CENTER FOR ADAPTIVE MICROSYSTEMS

An Emerging Technology Center !?

- Opportunity for intense collaboration on a well-focused, industrially relevant project
- Opportunity to connect with other announced Emerging Technology Centers, especially at UW-Stevens Point, UW-Platteville.

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A Student's Perspective – Patrese Hoffman

Student Outreach:

- 4th grade – High school
- In school presentations as well as activities arranged at UWEC



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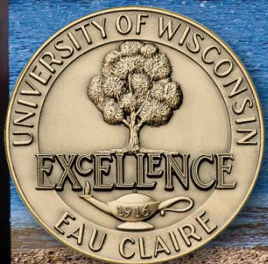
A Student's Perspective – Patrese Hoffman

Undergraduate Research:

- Atomic Force Microscopy (AFM)
- Scanning Electron Microscopy (SEM)
- X-ray Photoelectron Spectroscopy (XPS)



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A Student's Perspective – Patrese Hoffman

Engineering Internship:

- Experience working for a small business
- Practice applying skills in real world situations unfamiliar to the university environment.



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LA SED

Latin American Sustainability Education & Development

Margaret McInnis

Junior, Political Science Major, Treasurer

Cory Ploessl

Senior, Art-Ceramics Major, President

Kristin Racchini

Senior, Spanish Major, Vice-President

Meghan Sluga

Senior, Spanish & Social Work Majors, Secretary

Analisa De Grave

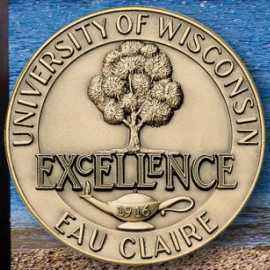
Associate Professor of Spanish & Latin American Studies

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Building a Global Community

*How Study Abroad
Transformed Our
Future*



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"These kids need a lot of motivation to go to school. The simple things like not having a pencil and a notebook or shoes to go to school will keep a child home and not learning"

-Joe Mullenberg UWEC Graduate



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L.E. Phillips Sci

- Room 106, 111 - 181
- Room 181 - 110, 184 - 188
- Department / Faculty Offices
- General Access Computer Lab
- Analytical Geochemistry Lab
- Electron Microscopy Lab
- Material Science Center
- Elevator
- Restrooms



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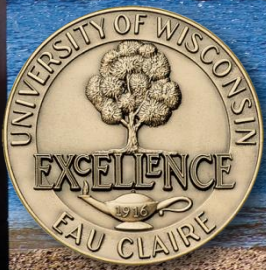
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Civil Rights Pilgrimage



Jodi Thesing-Ritter, *Associate Dean of Students*
Sarah Gonzalez, *Senior, Psychology Major*
Anthony Och, *Senior, Sociology Major*
Janna Caspersen, *Junior, Geography Major*

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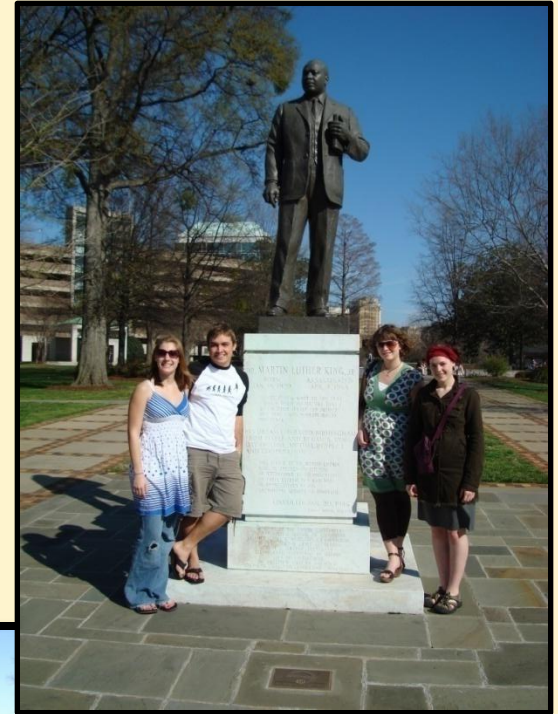


Atlanta, Georgia



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Birmingham, Alabama



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Montgomery, Alabama

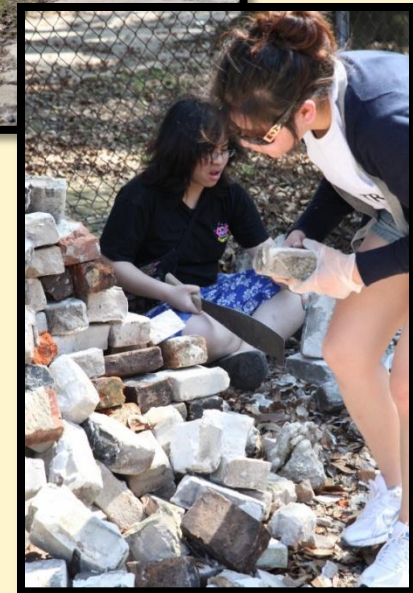
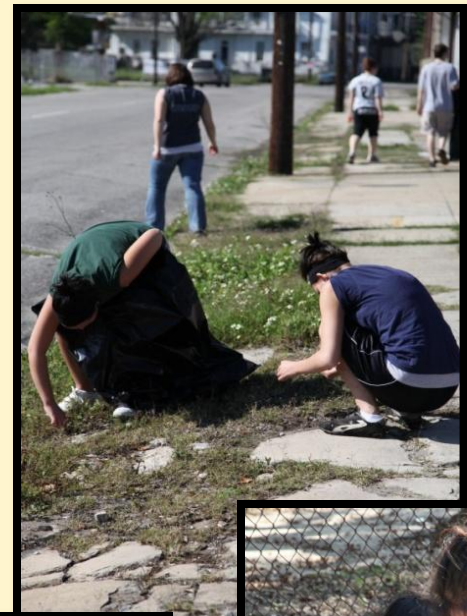


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Selma, Alabama



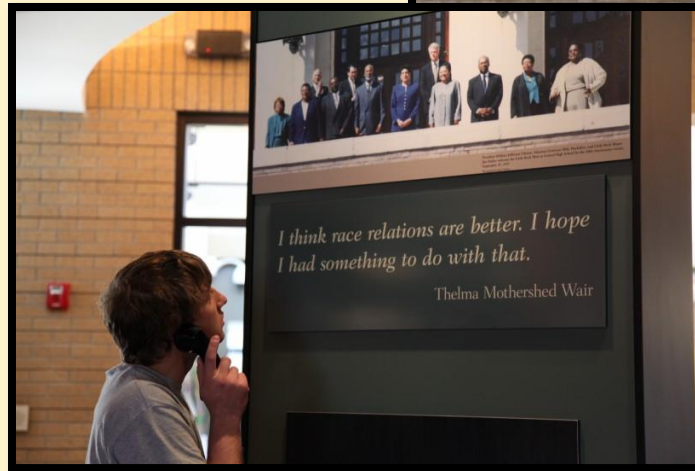
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O.C. Haley Boulevard Renovation of New Orleans

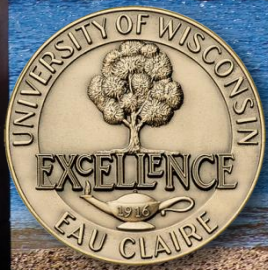
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Little Rock, Arkansas



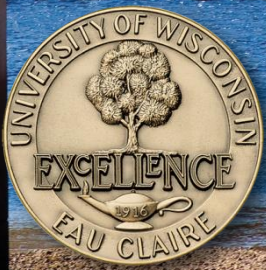
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Memphis, Tennessee



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Visiting Minority Scholar



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Atlanta • Birmingham • Montgomery • Selma • Biloxi • New Orleans • Little Rock • Memphis

Civil Rights PILGRIMAGE

Winterim 2010 • Jan. 8-18

Sponsored by Student Senate, Dean of Students and UW-Eau Claire Foundation.

Also available as a
three-credit course —
WMNS 222 Travel
Seminar: Women of
the American
Civil Rights Movement.
See details at
www.uwec.edu/dos/CRP.



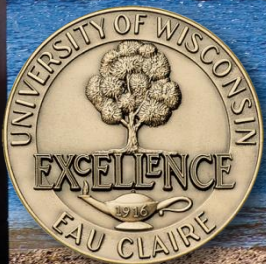
Cost: **\$350** includes bus transportation, lodging and tours.

This Winterim take a pilgrimage into the heart of the civil rights movement. You'll visit historical cities and landmarks, learn about the struggle for equality and help people in need.

Learn more at www.uwec.edu/dos/CRP

Registration begins **Monday, Oct. 5**, and will continue until full.

UNIVERSITY of WISCONSIN-EAU CLAIRE



http://media.uwec.edu/Civil_Rights_2009/Civil_Rights_1024.aspx

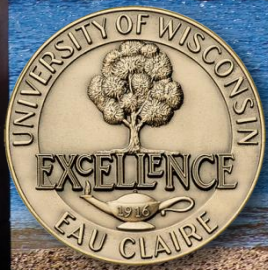
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Research

The Modern Racism Scale

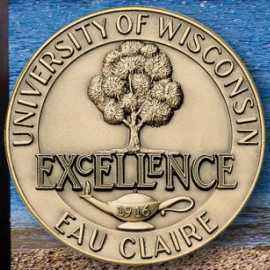
1. Over the past few years, the government and news media have shown more respect to Blacks than they deserve.
2. It is easy to understand the anger of Black people in the United States. (Reverse scored).
3. Discrimination against Blacks is no longer a problem in the United States.
4. Over the past few years, Blacks have received more economically than they deserve.
5. Blacks have more influence upon school desegregation plans than they ought to have.
6. Blacks are getting too demanding in their push for equal rights.
7. Blacks should not push themselves where they are not wanted.

Note. From McConahay, J.B. (1996). Modern racism, ambivalence, and the modern racism scale.



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NCORE Presentation



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Leadership



Innovation



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Sustainability



Diversity



University of Wisconsin-Eau Claire