



**COLLABORATIVE ENGINEERING
TECHNOLOGY PROGRAM
UW-GREEN BAY & UW-
OSHKOSH**

December 5, 2013

Collaborative Engineering Technology Program

2

University of Wisconsin Green Bay

University of Wisconsin Oshkosh

A Bachelor of Science will be offered in three new majors:

Electrical Engineering Technology

Environmental Engineering Technology

Mechanical Engineering Technology

In Collaboration with all NEW ERA Institutions.

Award Amount: \$1,892,000



Collaborative Engineering Technology Program

3

The goal of this project is to implement the three Engineering Technology majors in order to create a skilled and educated workforce, and meet the needs of regional manufactures and companies.

- ✓ Regional manufacturing employers need more engineering technologists.
- ✓ Graduates will fill existing jobs and help expand the regional and state economy.
- ✓ Program delivers new, innovative majors with input from industry partners.
- ✓ First program of its kind in Wisconsin.

Collaborative Engineering Technology Program

4

This grant will support primary activities which will result in the implementation the programs by fall 2014.

- ✓ Finalize Curriculum
- ✓ Begin accreditation process
- ✓ Hire faculty and support staff
- ✓ Provide professional development and research opportunities
- ✓ Strengthen regional partnerships

Students can begin their studies at any of the 13 NEW ERA universities and colleges as articulation agreements and prior learning experience will ensure the transfer of credit to accelerate student progress toward degrees and jobs, as well as reduce the overall tuition and fee cost of the engineering technology majors.



**SE WISCONSIN APPLIED CHEMISTRY
CENTER-OF-EXCELLENCE
UW-MILWAUKEE & UW-PARKSIDE**

December 5, 2013

SE Wisconsin Applied Chemistry Center-of-Excellence

6



Incentive Grant Goals

- Economic Development
- Educated/Skilled Workforce
- Affordability of Higher Education



UWM/UWP Project Features

- Laboratory for Advanced & Applied Chemistry
- University/industry collaborations
- Translational grants
- Enhanced undergrad/grad education
- Student internships

Project Funding

| | |
|----------------------------|--------------------|
| UW-System Incentive Grant: | \$2,998,000 |
| Corporate match: | <u>\$1,130,000</u> |
| Project total: | \$4,128,000 |

SE Wisconsin Applied Chemistry Center-of-Excellence

7

Chemistry is Vital to WI's Manufacturing Excellence

- 96% of manufactured goods involve chemistry
- More than 16,000 direct, 32,000 indirect WI jobs
- Chemistry jobs pay more than \$72,000 annually
- UWM/UWP are key to advancing chemistry regionally



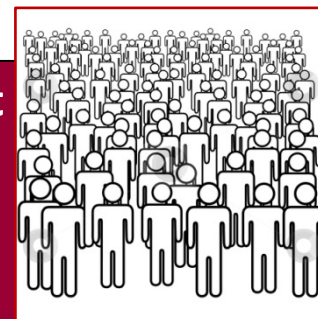
Leverage University and Business Resources

- Corporate partnership for instrumentation
- Strategic infrastructure
- Link faculty/business expertise
- Regional academic alliances
- Internship cost share



Workforce Impacts

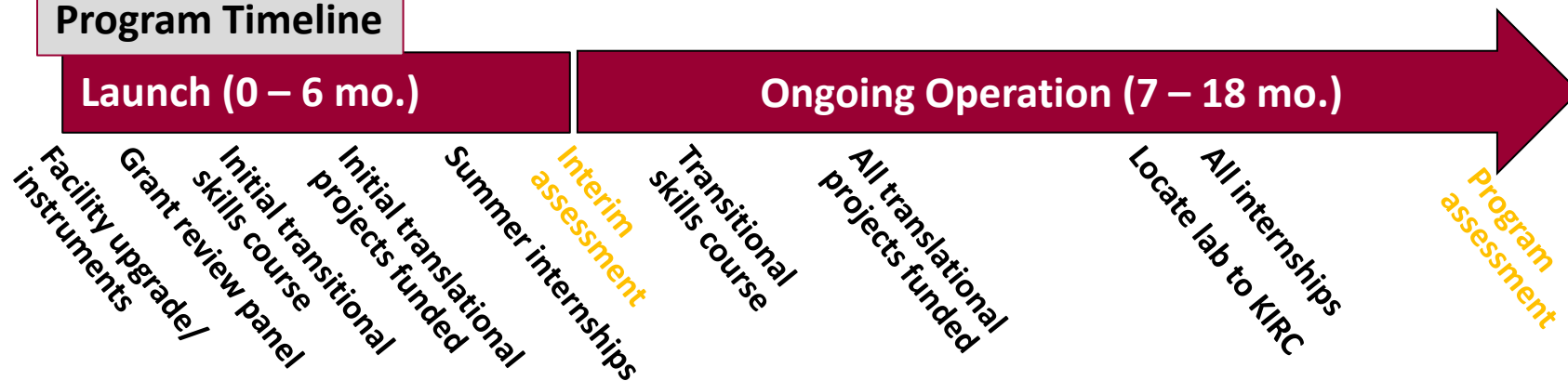
- Transitional skills development
- Experiential learning
- Retain workforce in WI
- Internship scholarships
- Jobs



SE Wisconsin Applied Chemistry Center-of-Excellence

8

Program Timeline



Sustainability

- Departmental budget (FTE's)
- Extramural grants
- Sponsored research/FFS
- Technology/IP Licensing
- Corporate sponsorship
- Course fees

Assessment/Goals

- Collaborations
- IP creation
- Job creation
- Internships
- Federal support
- Visibility/vitality



**BE THE FUTURE OF NURSING NOW!
LEARN, TEACH, LEAD**

December 5, 2013

Be the Future of Nursing Now!

Learn, Teach, Lead

1

- **Award \$3,218,703**
- **Four UW System nursing programs are collaborating to increase the number of highly-qualified nurse educators for Wisconsin**
 - UW-Eau Claire, Dean Linda Young (*primary*)
 - UW-Madison, Dean Katharyn May
 - UW-Milwaukee, Dean Sally Lundeen
 - UW-Oshkosh, Dean Rosemary Smith

- ❑ Shortage of nurses
- ❑ Increasing demand for healthcare
- ❑ Increasing interest in nursing as a career
- ❑ Shortage of nursing faculty
- ❑ Hire & retain qualified faculty through loan forgiveness
- ❑ Offer *fast start* pre & post doctoral fellowships
- ❑ Foster inter-institutional collaboration

Outcomes & Benefits for Wisconsin

3

- **Increase the number of nurse educators**
- **Three-year teaching commitment at a UW nursing program required**
- **Increase the number of RNs who will join the Wisconsin workforce**