

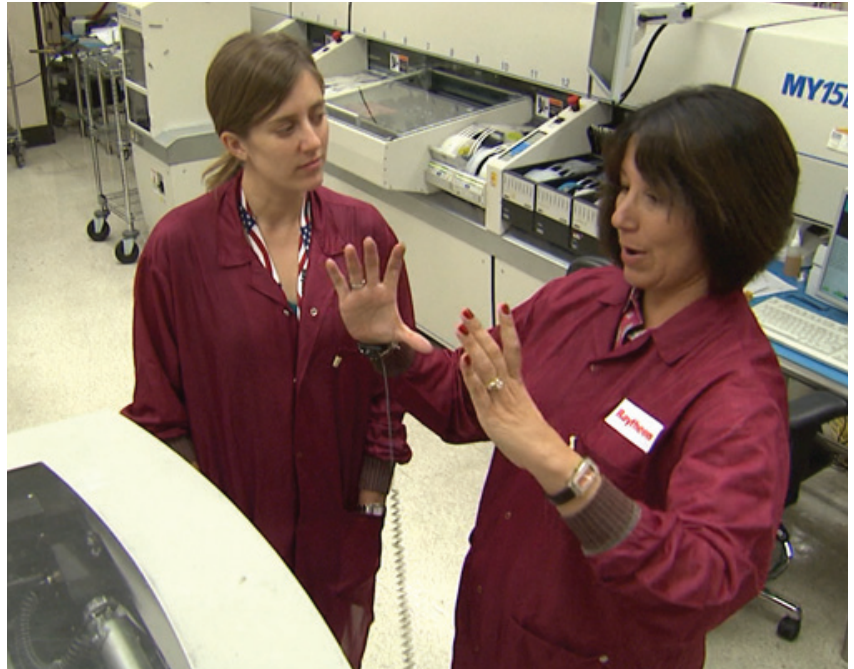


# TEACHERS IN INDUSTRY

Partnering with business to prepare the future workforce

**Teachers in Industry** is the innovative business-education partnership that places experienced classroom teachers in your workforce during the summer. Businesses gain from the professionalism and expertise of a science, technology, engineering or math (STEM) teacher. Teachers take their real-world industry experience back into the classroom to more effectively prepare students to enter the future workforce. The **Teachers in Industry** program is the best long term investment in the development of future scientists, technologists, engineers and mathematicians essential to the 21st century workforce.

**Teachers in Industry**, formerly known as the MASTER-IP Program, was established in 2009 by the University of Arizona College of Education, Tucson Values Teachers, Science Foundation Arizona and Raytheon Missile Systems.



## HOW IT WORKS

- Businesses identify a 7-9 week work assignment that provides meaningful experience in a teacher's area of expertise.
- Teachers apply to the **Teachers in Industry** program, which also facilitates the interview and selection process with businesses.
- Teachers work full-time four days a week during the summer. Fridays are reserved for UA coursework leading to either a master's degree or professional development credit.
- Businesses pay teachers an industry-level wage, ranging from \$5,000 to \$12,000 for the 7-9 week period.
- The **Teachers in Industry** program staff provide support for teachers and businesses during the duration of the assignment.

## RESULTS\*

- 25 businesses have provided industry experience to 48 teachers who influence more than 5,000 students each year in classrooms across Arizona.
- \$750,000 direct investment in STEM education from Science Foundation Arizona, which has helped cover teacher UA tuition expenses.
- \$823,000 invested by businesses, which has been paid to teachers as compensation.

## THE BOTTOM LINE

- Teachers gain valuable industry experience that directly impacts teaching and learning opportunities in Arizona classrooms.
- Businesses gain experienced summer employees who make meaningful contributions in their workplace.
- Students learn about your business and are better prepared to meet your STEM workforce needs.

\* STATISTICS AS OF 2012



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## TYPES OF WORK ASSIGNMENTS

- Accounting
- Chemical Analysis
- Circuit Design
- Environmental Monitoring
- Failure Analysis
- Information Security
- Program Design
- Quality Control
- Research and Analysis

## JOIN THESE BUSINESSES

- **Aerospace:** Raytheon Missile Systems, Fort Huachuca, Northrop Grumman, Honeywell
- **Bio-Science:** BioVigilant, Ventana Medical Systems, Sanofi Aventis, Critical Path Institute
- **Construction:** Arizona Mechanical Insulation, Sundt Construction
- **Finance:** Beach Fleischman
- **Manufacturing:** VANTE, General Plasma, Piper Plastics, Orbital Sciences, Texas Instruments
- **Mining:** Freeport McMoRan Copper and Gold
- **Science Research and Development:** Arizona Research Labs, Biosphere 2, National Solar Observatory, Paragon Space Development, UA Tech Park
- **Transportation:** Tucson Airport Authority
- **Utilities:** Unisource Energy/TEP, Salt River Project, Southwestern Power Group, Arizona Public Service Co.

## TIMELINE

- **Fall:** Businesses commit to provide summer work assignments for teachers and submit signed agreements.
- **Beginning March 1:** Teacher resumes are forwarded to business participants.
- **Beginning March 15:** Businesses interview teacher candidates.
- Work assignments begin at the conclusion of a teacher's school calendar and end before the start of the next school year.

## CONTACT US

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STEM Learning Center



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