

Metropolitan Cleveland Consortium for STEM 2010 Summer Internship Program

Providing STEM student interns to local businesses and organizations for FREE through generous funding provided by the Metropolitan Cleveland Consortium for STEM*

Hiring an intern is a smart business move, and the 2010 Summer STEM Internship Program offers a great and FREE opportunity for Greater Cleveland employers. As a participant, your company can

- get FREE innovative and energetic help on projects that you are eager to complete,
- develop a talent pipeline with STEM students that are the cream of the crop, and
- enjoy community and statewide recognition as a leader in helping to connect students and employers.

Through a unique collaboration among the MC² STEM and Design Lab Early College High Schools, Youth Opportunities Unlimited (Y.O.U.), and NEOintern, participating employers will be part of a one-of-a kind program that is on the cutting edge of training tomorrow's STEM talent.

Who Can Participate?

Businesses in the Greater Cleveland area, both for-profit and non-profit are eligible.

What Will the Internship Consist of?

Internships should be a project (or projects) for students that involve STEM-related work experience (e.g., science, technology including graphic design, engineering, math, or medicine).

When Will the Internship Take Place?

Internships must occur between July 6 and August 27, 2010.

How Long Will the Internship Last?

A total of 120 work hours are required over a period of three to eight weeks (depending on employer needs).

How Much Does It Cost?

It's FREE! Students will earn \$1,000 and be employees of Y.O.U. Payroll will be processed by Y.O.U. Any expenses related to background checks, health screening and any other related fees will be the employer's responsibility.

How Do Employers Sign Up?

Register at www.youthopportunitiesunlimited.com. **When registering, please enter "STEM" in front of your company name.** Y.O.U. will match students with employers based on students' skill sets and the employers' needs.

What is Expected of Employers?

Employers must provide an interesting and meaningful opportunity in a clean and safe environment. Employers must also assign at least one supervisor for every 5 interns and that supervisor will be required to participate in a 90-minute orientation on either June 30 or July 1.

Visit www.youthopportunitiesunlimited.com to register by June 18, 2010.

For more information, contact Dave Clements at Y.O.U. at 216-408-2654 or dclements@youthopportunities.org.



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MC² STEM High School



The MC²STEM High School embeds each grade level into a different STEM industry partner. Students have completed two years of a rigorous project-based curriculum, job shadowing and a 10-week sophomore project where employees at General Electric guide student teams through the development of a new product from concept through fabrication and marketing. In 2009,

MC²STEM High School became the first school of its kind to be housed on a corporate campus at GE Nela Park, providing students with a dynamic real-world learning environment and human capital support of industry professionals. For more information, visit <http://www.mc2stemhs.com/>.

MC² STEM Courses

The MC² STEM High School includes the Project Lead the Way Engineering curriculum and students have completed honors or college level courses in the following areas:

- Algebra II
- Physical Science
- Physics
- Statistics
- English
- Engineering
- Biology
- Geometry
- Chinese
- Visual Arts

MC² STEM students have experience working in teams and making presentations on projects mainly focused on energy and sustainability. They also have been exposed to the following software/technical skills:

- Microsoft Office
- AutoCAD
- Pro/e
- Modela
- 3D Plotter
- Google Sketchup
- Fab Lab
- ShopBot
- EPILOG laser cutter
- Vinyl Cutter
- Electrical circuits
- Soldering

MC² STEM Suggested Student Projects

Sample projects might include product design, model drawings/fabrication, product research and development, quality testing, or developing cost estimates.

Design Lab Early College High School



The Design Lab is an early college public high school with a focus on Art and Industrial Design. Through a unique partnership with Cuyahoga Community College, students attend high school and college courses simultaneously and receive dual credits. Students are able to take classes as part of Tri-C's engineering program, which offers foundational coursework in Industrial Design, Media Arts, and other related programs that create a synergy around the art and science of design.

Design Lab Courses

Design Lab students have completed a rigorous curriculum, including honors or college level courses in the following areas:

- Fundamentals of Design
- Industrial Design
- Engineering
- Communications
- English
- Geometry
- Algebra II
- Physics
- Biology
- Spanish

In addition, Design Lab students are familiar with the following software:

- Microsoft Office
- Publisher
- Solidworks (9th grade)
- Pro/e (10th grade)
- Prezi (dynamic presentation tool)

Design Lab Suggested Student Projects

Sample design projects might include design process problem solving, product design, video editing, web site design or updating, publication production, landscape design, interior design, or computer/video game development.