

EXPLORE YOUR FUTURE DISCOVER UNEXPECTED OPPORTUNITIES



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MOTHER DAUGHTER T.E.A.



Students at the Mother Daughter T.E.A. participate in a hovercraft challenge.

On Saturday, November 8, 2014, the College of Engineering Technology (CET) hosted a Mother-Daughter Technology Engineering Aptitude (T.E.A.) event. Approximately 40 mother-daughter teams, about a dozen CET student volunteers, and several faculty/staff members participated to make the event a success! Throughout the day, the mother-daughter teams participated in hands-on activities to encourage exploration of Science, Technology, Engineering, and Math (STEM)

careers. After designing hovercrafts, the teams raced their projects and soon launched into another activity in which they designed hydraulic cranes. Thanks to CET student volunteers, the mother daughter teams also had the opportunity to ask questions of a student panel to learn more about opportunities for females in STEM fields. We are grateful

for the a mini-grant awarded by Ferris' Diversity and Inclusion Office and support from Admissions, CET, and Academic Affairs that made the event possible. (continued on page 2)



Several of the College of Engineering Technology student volunteers pose for a photo at the T.E.A.

T.E.A. VIDEO



A Mother-Daughter team designs a hydraulic crane

Many families and students enjoyed participating in the TEA at the Granger Center. We extend our thanks to the families that participated, the student volunteers, and the numerous faculty/staff members from around campus who offered their support to make this event possible! Check out a neat video that captures the day. What a fun, inspirational event for all who participated!



<https://www.youtube.com/watch?v=dVA1NRiDoI4>



"It's very important that women get into engineering and technology careers because it better reflects women in our society. Women are the primary shoppers, women make up 51% of the population, and if we don't have women designing for women then we're missing most of the market."

- Celeste Baine,
Director of the
Engineering Education
Service Center,
Biomedical engineer and
Author

T.E.A. (CONTINUED)

Celeste Baine, Director of the Engineering Education Service Center was able to travel to campus from Oregon to facilitate the day's activities. Ms. Baine has authored over 20 books and is recognized as one of the 50 engineers you should meet. The day prior to the Mother Daughter event, Ms. Baine offered a Train-the-Trainer event to several Ferris

faculty/staff members as well as educators from around the area. Two educators even traveled to Ferris from Missouri to participate in the day-long training event! Following the training, participants are recognized as certified TEA Trainers who are now able to host other TEA events on campus and around

the state aimed at exposing females to the tremendous career opportunities in STEM fields. As a result, we're

taking TEA events on the road, so if you know of an educator or school district who may be interested in hosting a mini TEA or visiting Ferris to participate in one, please contact Leigha Compson at leighacompsom@ferris.edu or 231-591-3549.



Engineering Icebreaker



Mother-Daughter teams test out their hydraulic cranes at the T.E.A. event

STEM NEWS

This fall Women in Manufacturing (WiM) released results of a survey that focused on better understanding women's perceptions of the manufacturing industry. Based on their results, a mere 7% of females reported that they view manufacturing as one of the top five fields for career opportunities for women. However, women who work in the field of manufacturing paint a much different picture. Of the females surveyed who work in manufacturing, 82% report that their

work is interesting and challenging, 74% agreed the field offers multiple career opportunities for women, 64% would recommend a career in manufacturing to young women, and over half stated that manufacturing is a leader in the industry for job growth. How can we increase awareness of these opportunities? To learn more and access the survey results, visit <http://www.industryweek.com/manufacturing-day/honor-manufacturing-day-lets-vow-get-more-women-field>.

RESOURCES

Ferris students have access to a multitude of resources to support success. For a list of some of the resources available, visit <http://www.ferris.edu/HTMLS/academics/center/resources/general/StudentSupport.htm>. Students also are encouraged to check out additional resources and opportunities to get involved through the Center for Leadership, Activities, and Career Services at <http://www.ferris.edu/HTMLS/administration/studentaffairs/CLACS/homepage.htm>.

COMMUNITY IMPACT

On October 29, educators, industry partners, and students gathered at the Granger Center for a STEM Symposium. Opportunities in STEM (Science, Technology, Engineering, and Math) were the highlighted. to discuss education and careers. Carly Charlier, College of Engineering student and president of the Women in Technology student organization was one of the key speakers for the evening as she talked about the value of a STEM education. Great job, Carly!



CET Students Rachel Mroz and Carly Charlier visit with Ron McKean, Associate Dean of CET at the STEM Symposium

This event was organized by the Michigan STEM partnership Straits Hub and its partners. To learn more about this organization, visit the organization's website: <http://mistempartnership.com/>

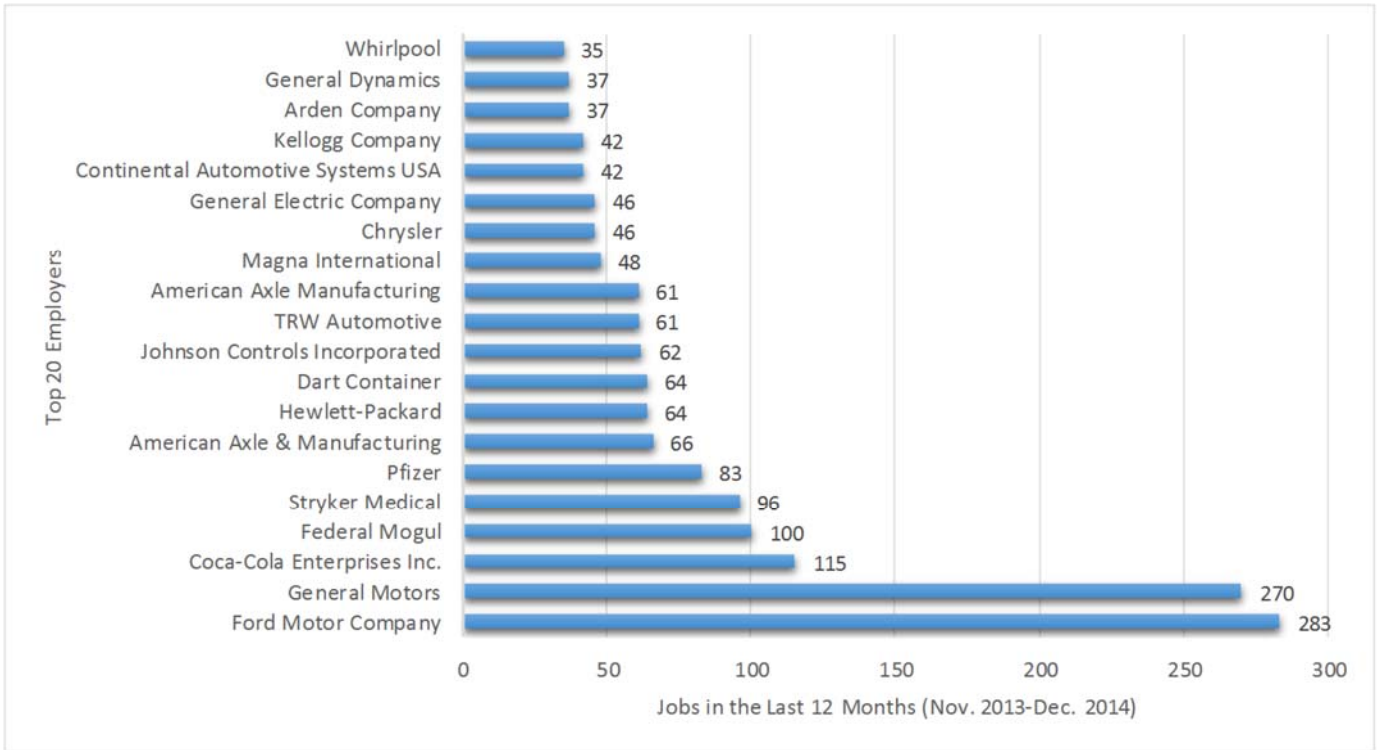
LAUGHABLE



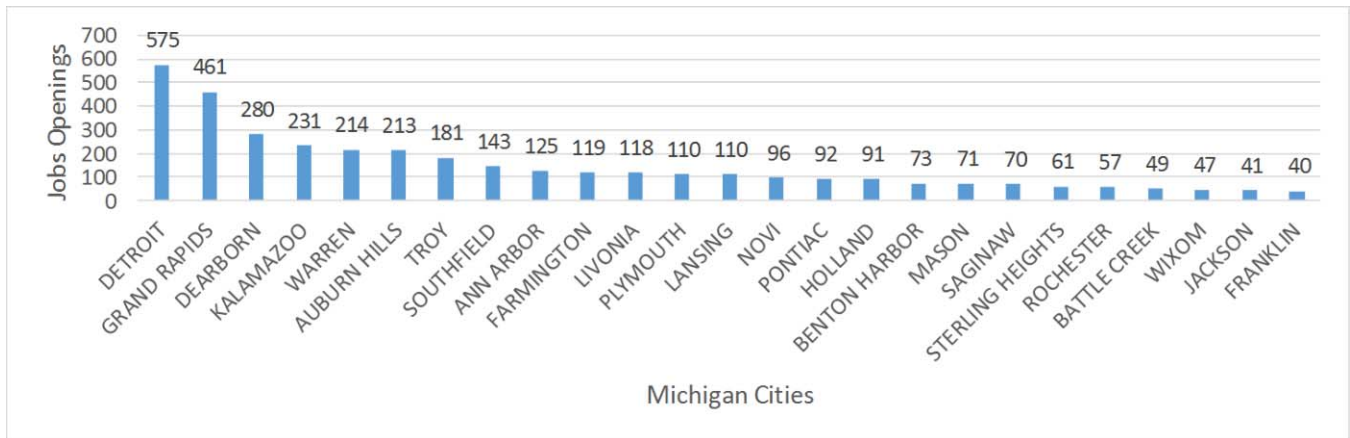
"You told me to change all of our computers to DSL. I thought that was short for 'diesel'."

LABOR/INSIGHT JOBS (BURNING GLASS TECHNOLOGY)

Manufacturing Industry Employers with the Most Job Openings Bachelor's, Associate's, or Certificate Education and Less than 2 Years Experience



Top Michigan Cities for Manufacturing with the Most Job Openings in Past Year - Bachelor's, Associate's, or Certificate Education and Less than 2 Years Experience



Labor/Insight Jobs (Burning Glass Technology) is a licensed software tool that reports data based on job postings. If you have questions about the data or would like additional reports, please call 231-591-3549. The reports used to generate the information above were run in December, 2014 and used the Manufacturing Industry sector for the job posting definition. Additional reports can be run to share information about other job families as requested. Various reports will be shared in future newsletters.

WOMEN IN CET MIXER

On October 13, CET graduate, Liz Madison, traveled back to campus from her home in Chicago to serve as the keynote speaker for the Women in the College of Engineering Technology Mixer event. Thank you, Liz, for your time and motivational message and to all who attended!



Alum Liz Madison and Women in Technology Advisor Professor Brayton greet students at the registration table

FERRIS GRADS AT WORK

Your Name: Liz Madison

Job Title: Property Manager

Degrees awarded from Ferris:
Associate of Applied Science,
Architectural Technology (2007)

Bachelor of Science, Facility
Management (2009)

Minor, Communication (2009)

Graduation year: 2009

Name of Employer:
General Services Administration

How would you describe your current position?
The main focus of the Property Management office I work in is to handle the day to day operations that keep the building running. We manage contracts (elevator, operations and maintenance, janitorial), provide access to building spaces, assist with tenant projects (renovating/updating tenant space, ordering signage for tenants, etc...), and coordinate any building upgrades that need to occur.

How has your education supported you in your job thus far?
There is always going to be a level of on the job training you cannot get from the "classroom", but I feel that the skills and base knowledge I obtained while in the Architecture and Facility Management programs

at Ferris really prepared me for my job. Reading floor plans, using gantt charts (used for project schedules), understanding the basics of HVAC systems and elevators, team work exercises, and managing a full/diverse workload are only a few examples.

How was the job search process?
Due to the fact that I took full advantage of the job fairs on campus, and took an interviewing class while at Ferris, I found the job search process quite simple! I did have to have multiple interviews (some even for the same company), but I looked at each interview as a chance to practice and better my interviewing skills.

What do you see as your biggest challenge?
Remembering all the acronyms used in my profession and what they stand for.

What is your favorite Ferris memory?
There are so many wonderful memories from my time at Ferris (RSO activities on the quad, meeting new friends, volunteering for the admissions office, girls night out, walking down town to get ice



Liz Madison '09

cream after class, or just having movie/game night with friends) that I can honestly say I don't have just one favorite memory!

What do you do in your spare time?
I thoroughly enjoy running and really love to travel! I've learned I can combine these and in 2014 alone I have run races in five different states: Pennsylvania, Kansas, Ohio, Michigan, and Illinois.

What advice would you give to current students?
Get involved with on campus activities, if you have a chance to do an internship do it, and really listen and absorb what your professors are teaching you.



"I feel that the skills and base knowledge I obtained while in the Architecture and Facility Management programs at Ferris really prepared me for my job."

*Liz Madison,
Property Manager,
General Services
Administration
Ferris Grad 2009*

WELCOME EVENT

Women within the College of Engineering Technology (CET) welcomed incoming female freshmen and students new to Ferris at a Welcome Event on September 10. The event was an opportunity for females to meet current female students within CET, connect with others in their programs, learn about resources on campus, meet faculty/staff, and explore opportunities to get involved. We are excited that you are part of the Ferris community!

IN CLOSING...

Thank you for taking the time to read our newsletter! If you have an idea or comment, we would love to hear from you! You may share your comments with Leigha Compson, University Career Programs Specialist at compso1@ferris.edu or by phone at 231-591-3549.



SAVE THE DATE

Spring Career Week: March 23-27, 2015. For details contact the CLACS office at 231-591-2685.

CET DIVERSITY STATEMENT

The College of Engineering Technology provides a dynamic experiential learning environment that is inclusive, equitable and just for all individuals, regardless of human differences.

