

LMC STEM students... *On the Go!*



LOS MEDANOS COLLEGE



Newsletter

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KEEPING YOU INFORMED AND INVOLVED!

FALL 2013

AMSA Conference, UC Davis

By Carol Hernandez

Approximately twenty five LMC American Medical Student Association (AMSA) and (Mathematics, Engineering, Science Achievement) MESA students attended the 11th National UC Davis Pre-Health Student Alliance Pre-Medical and Pre-Health Professions Conference on October 12th and October 13th. This is the largest Pre-Med conference in the country!

Our students met at LMC early in the morning and caravanned over to Davis. At the conference AMSA/MESA students received information regarding skills necessary to succeed in the medical and health-professions school admission process, which can be confusing to navigate especially for first generation college students. In addition, AMSA/MESA Students had the opportunity to meet with deans of admissions from top schools across the country, admission officers, financial aid officers, faculty, and staff. This year over 120 medical schools, 25 public health schools, 25 pharmacy schools, 35 dental schools, and 20 nursing schools attended the conference. It is also an opportunity to meet and network with other motivated pre-med college students from across the country.

Gary Fridland, Vice President of LMC AMSA's club, said "The experience is breath taking and inspiring every time you go! It feels wonderful and comforting to attend a conference which brings together a vital force of individuals who seek to better their communities and the world that they truly care to impact.

The AMSA Conference at Davis is a stepping stone to help young medical students find their path and compassions for what they feel is the right thing to do, which is help better the world." This is the fourth year that AMSA/MESA students have attended the conference and every year they come back ready to go back for more information and fun!

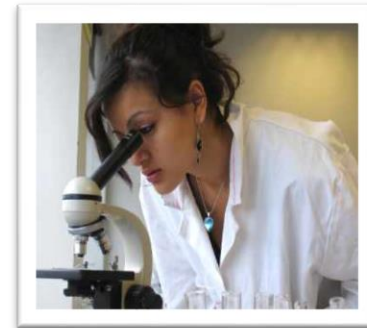
STUDENT PERSPECTIVE SUBMISSION GUIDELINES

WHO: LMC STEM Students

WHAT: 100 word write-up on any STEM related topic from a student perspective. \$50 LMC Bookstore Gift Card will be rewarded to the submission that is chosen for the next semester's newsletter.

WHEN: Submit your 100 word submission, with title, your full name and major, by Jan. 30, 2014 to: Ryan Pedersen ; rpedersen@losmedanos.edu

STEM Student Perspective



STEM Students:
This could be you!

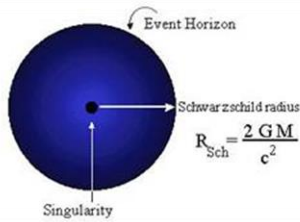
STEM Students: We want to hear your voice! If your major is any one of the following below, we want to hear from you about any experience or perspective of yours related to a STEM topic of your choosing:

Biology, Chemistry, Computer Science, Engineering, ETEC, Physics, PTEC, or Math.

Submit a 100 word write-up from your student perspective and be sure to include the title, your full name and major. Email submissions to Ryan Pedersen at rpedersen@losmedanos.edu.

The student with the selected entry will receive a \$50 gift certificate to our very own LMC Bookstore.

NEWS & EVENTS



Got any STEM News or Events?

We are looking for STEM news or upcoming STEM events that you'd like published in our next semester newsletter. Send us a 40 word blurb, preferably with picture to: AOriginwa@losmedanos.edu



New NSF Scholar Grant

"The National Science Foundation (NSF) has awarded Los Medanos College (LMC) a 5-year, NSF S-STEM grant of \$625,611 to support the college's efforts to establish an LMC STEM (Science, Technology, Engineering and Math Achievement) Scholars Program. This program will provide scholarships and support services for academically talented and low-income STEM students."

For more information, read the full article at: <http://www.losmedanos.edu/news/stem scholars.asp>

BY THE NUMBERS

STEM STUDENTS ON THE GO!

125/161 = 77.6%

Percentage of Los Medanos College UC Transfer Applicants who were admitted to at least one UC for Fall 2013.

57/72 = 79.2%

Percentage of Los Medanos College UC Transfer Applicants declaring STEM majors who were admitted to at least one UC for Fall 2013.

STEM GRANT CONTACT INFO:

Grant Director: Ryan Pedersen, ext. 3940
 STEM Grant Office: Ade Originwa, ext. 3294
 MESA Director: Carol Hernandez, ext. 3437
 STEM Counselor: Marie Karp, ext. 3282
 STEM Connector: Ana Castro, ext. 3172

Get Involved!

Do you have any STEM related professional development ideas? If so, please contact the STEM Grant team (info below) and tell us about them. The grant has resources specifically designated to promote these activities and we hope that you will help us use them in a meaningful way.

STEM Grant Director's Note

By Ryan Pedersen

Dear Colleagues,
 Thank you for reading our newsletter. In our ever changing state of evolution, we have now switched to a new format. We will be putting out one "STEM Newsletter" each semester that highlights a particular aspect of STEM activity, grant or otherwise, here at Los Medanos. Additionally we will be releasing a joint newsletter with the HSI Transfer Grant highlighting the HSI grant activities for each particular semester. Look forward to that this December.

Year 2 (of 5) of the Title III HSI STEM Grant came to a close on September 30. The year was full of many new and exciting changes and additions that put our college in a good position to accomplish a tremendous amount going forward. However, the year was not without its own tangible accomplishments. From the addition of a STEM component to our college's Summer Bridge program, to the beginnings of significant upgrades to our biological and physical science equipment infrastructure, our STEM programs are becoming stronger and more integrated into the college fabric. You will be able to read about all our Year 2 progress in our annual report which will be completed in January. Meanwhile, I have learned a valuable lesson that I hope everyone involved in STEM at the college will embrace with me. That is that the STEM grant does very little independently and its role in fact is only to help enable college staff, faculty, and students (as this edition of the newsletter highlights) to do their valuable work. I thank all of you who are working to make our college a stronger STEM institution.

-Ryan



STEM HIGHLIGHTS

LMC STEM students... On the Go!



MESA Leadership Conference

Four MESA (Math, Engineering, Science, and Achievement) students from LMC were selected and attended the 10th Annual Student Leadership Conference: Future STEM (Science, Technology, Engineering and Math) leaders in San Diego on October 19 and 20, 2013. This is the fifth STEM leadership conference that LMC students have participated in, accompanied by LMC MESA Program Director Carol Hernandez. Samera Khalili, Adam Alemnew, Luis Mendez, and Shawn Brewer networked with STEM industry partners and attended various workshops on Leadership, Interview Skills, Effective Communications and Social Media.

High School STEM Ambassadors

LMC's MESA/AMSA students started a new program led by Carol Hernandez and Danielle Liubicich. The Science, Technology, Engineering, and Mathematics (STEM) Ambassador Program is an outreach effort that promotes diversity in STEM by strengthening the high school student pipeline to Los Medanos College. STEM Ambassadors inspire curiosity and success through contextualized learning activities that engage students in STEM by making connections and fostering a support network. This is our first semester and will be starting a pilot program at Pittsburg High School. The students will be doing: hands on activities; student success panels; and in class tutoring.

Engineering Day at CAL Berkeley

On October 18, LMC MESA students attended MESA Engineering Day at Cal. They spent the day, along with other MESA community college transfer students, taking in important information about Cal's School of Engineering transfer policy. Oscar Dubon, Associate Dean of Equity and Inclusion, and Professor of Materials Science, gave an overview of the program, and students were also treated to lab tours of the engineering department. Angel Jimenez and Luis Mojica found the day full of useful information as they are currently applying for transfer to Cal's School of Engineering.