

# STEM CORE

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## Summer Internships

Two STEM Core students are placed at Stanford's SLAC National Linear Accelerator for Summer 2017. The research internships will begin July 3rd and will run through September 8th.

Two students were interviewed for an internship at Nissan's Innovation Center. The position may be offered to one STEM Core student who will assist with research on automotive simulators.

## Did you know?

May is Transfer Awareness Month. There will be a number of workshops and admissions representative from a number of CSU and UC's. Check out the calendar on the Transfer Center website!

## Lawrence Livermore Lab

In collaboration with Foothill's Engineering club, several STEM Core students will be touring Lawrence Livermore's National Ignition Facility on Friday, May 12th. The shuttle that will transport students from Foothill to Livermore is funded by the SVETP-CCPT grant.



*STEM Core students enjoying breakfast after their final on March 31st, Picture credit: Tess W.*

**Spring Quarter** This Spring, STEM Core students are in their last Pre-calculus course before beginning Calculus in the Fall. Students on the Computer Science (software development) pathway are taking Intermediate Software Design in Java (CS 1A) with Bitia Mazloom, while students on the Engineering pathway are in Engineering Graphics (ENGR 6) with Will Camisa. Four students are also taking an Interpersonal Communications course (COMM 2) together to satisfy the CSU breadth requirement. Currently, there are 15 STEM Core students in the cohort.



**Earth Day @NASA Ames** On Friday, April 21st, thirty Foothill students joined Nanotechnology instructor, Robert Cormia, in an exciting Earth sciences and sustainability workshop on the NASA Ames campus. Students had the opportunity to listen from NASA researchers about observations of Earth systems and from the University Space Research Association's (USRA) collaboration. Two STEM Core students, Shayna G. and Sabine H., participated in the event, pictured on the left.

**Winter Quarter Results** The accelerated quarter ended on Friday,

## A Look Ahead

Friday, May 5th - STEM Core Meeting

Friday, May 5th - Quiz #3

Wednesday, May 10th - Exam #1

Friday, May 26th - Quiz #4

## School Supplies

Funded by the SVETP grant, STEM Core students were given supplies to get them through their last quarter of math. This includes graph paper, rulers, note cards, and personal whiteboards.

## Recruitment Updates

As we approach the end of the 2016-2017 school year, the program coordinator begins the recruitment process for the next cohort. Through peer-referrals, word of mouth, and advertisements around campus, interviews for perspective STEM Core students began last week. We hope to see more students involved in the cohort next year!



**STEM CORE**  
foothill.edu/stemcore

Prepare for a career in engineering or computer science

**STEM Core at Foothill College**  
is a select local learning community that prepares students for careers in engineering and computer science. Students in the program are guaranteed admission into the three quarter course sequence. Ideal courses together and complete for job/internships at companies like NASA, Amazon and Learner's Livemore Lab. Women, veterans and first-generation college students are encouraged to apply!

**What classes will I take?**  
For the fall quarter, students will take:  
- MATH 105 Intermediate Algebra  
- ENGR 10 Intro to Engineering  
- CS 49 Intro to Computer Science

**How do I join?**  
- Apply for admission to Foothill College, 100 Free and easy!  
- Schedule an appointment for your math placement test.  
- Fill out the STEM Core Interest Form at [foothill.edu/stemcore](http://foothill.edu/stemcore)

**STEM Core offers:**  
- Enriched learning  
- Internship opportunities  
- Research and innovation group  
- Academic and personal counseling  
- Textbook calculator and laptop rentals  
- Intensive education in a small group environment.

**Questions?**  
Contact Donna Miranda, STEM Core Coordinator at [mirandadonna@foothill.edu](mailto:mirandadonna@foothill.edu) or 650.949.7665

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[foothill.edu/stemcore](http://foothill.edu/stemcore)

## Inquiries

Donna Miranda  
STEM Core Coordinator  
[mirandadonna@fhda.edu](mailto:mirandadonna@fhda.edu)  
650.949.7665 | [foothill.edu/stemcore](http://foothill.edu/stemcore)

March 31st. Of the 20 STEM Core students in the Math 48B course, 16 students passed with a letter grade, an overall 80% success rate for the cohort. In comparison to non-STEM Core students in the same section, 4 of 10 students successfully completed the course. As demonstrated by the results of 5 twenty-point quizzes and 3 exams, the cohort was more prepared for the intensive 6-week course than non-STEM Core students entering the course halfway through the quarter.

STEMCORE	Quiz #1	Quiz#2	Exam#1	Quiz#3	Quiz#4	Exam#2	Quiz#5	FinalExam
Mean	0.73375	0.723684	0.779	0.870238	0.771053	76.07143	0.755263	0.6634
Median	0.775	0.725	0.8	0.95	0.775	77.5	0.825	0.675
High	0.975	1	0.945	1	0.975	99.5	1	1
Low	0.425	0.3	0.56	0.5	0.45	55	0.25	0.26
n	20	19	20	20	19	21	19	19

  

NONSTEMCORE	Quiz #1	Quiz#2	Exam#1	Quiz#3	Quiz#4	Exam#2	Quiz#5	FinalExam
Mean	0.580556	0.64375	0.759375	0.821875	0.646875	69.7222	0.5531	0.62
Median	0.6	0.6625	0.7425	0.8125	0.5875	75.5	0.55	0.57
High	0.975	1	0.985	1	1	95	0.975	0.915
Low	0.275	0.35	0.655	0.675	0.375	41	0.125	0.41
n	9	8	8	8	8	9	8	8



**STEM Core Conference** March 23rd marked the annual STEM Core Conference hosted by SVETP consortium partner, Growth Sector. The 3-day conference was held in Pasadena, CA at the Athenaeum, on the Caltech campus. The main event featured riveting panel discussions from administrators, student support specialists, and faculty from the 11 California community colleges. Participants were also treated to a virtual tour of the Jet Propulsion Laboratory. The following day, student support specialists gathered for a training with STEM Core veterans from Saddleback College and Santa Ana College and learned how to create a captivating portfolio by Erick Briggs of Network Kinnection.

**Student Spotlight** Ed M., is a STEM Core participant and is in his first year at Foothill College. With over 35 years of experience in electrical engineering, Ed made the courageous decision to go back to school in Fall 2016. While in industry, Ed played in an instrumental role in various tech companies around Silicon Valley. Ed returns to school in pursuit of a bachelors degree in computer science and a masters degree in Autonomous Control Systems. He is an integral member of the STEM Core cohort with a positive and upbeat attitude. He's also a member of the Engineering Club, where he is working on several new projects for Foothill's upcoming Physics Show, which includes a possible stunt with a mountain bike!

