

Academy of Medical Arts and Engineering

MAY 2014



Speaker Series

MAY 21

Jennifer Hull,
Physicians Assistant

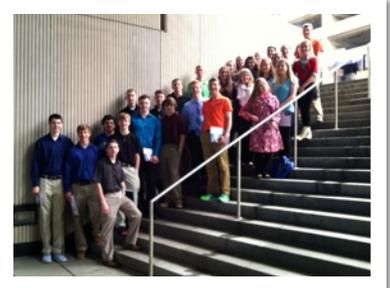


Academy Visits the University of Pittsburgh

Twenty-seven of the students in the Academy of Medical Arts and Engineering traveled to the Swanson School of Engineering at the University of Pittsburgh on April 25.

Lauren Byland, Director of Freshmen Engineering Programs at the University presented a program on the opportunities in engineering including coop programs and studying abroad. Senior engineering students gave presentations on their fields of engineering. Several are accepted to medical schools across the country. Our students were very interested in the idea of obtaining an undergrad degree in engineering and then pursuing medicine. The students then lead tours of the new renovated facility and labs including the \$1,000,000 electrical power systems lab where power grid simulations are conducted. The lab powers itself with solar panels and wind turbines.

The University has invited us to return next year for simulations in the reverse engineering lab and explorations with 3-d printers.



Fast Facts:

Fourteen of the fifteen juniors have completed shadow experiences as of May 15.



LECOM DOCTORS SPEAK TO ACADEMY STUDENTS

LECOM orthopedic surgeons Dr. Bill Browning and Dr. Anthony Ferretii gave a lively presentation to the medical students on April 23. Using photos, x-rays and mri images, Dr. Browning explained some of the most interesting sports injuries that he

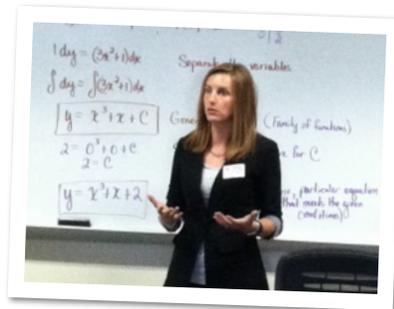
has treated in recent months. The students learned what an orthopedic surgeon does and how those skills are used in sports medicine.

APRIL 23



PHYSICAL THERAPY

Don Fuller from Hertel and Brown Physical Therapy also spoke to the Academy students on April 23. The presentation included information on the basics of physical therapy, educational background, and opportunities in the field.



DR. LAUREN JOHNSON
Dr. Lauren Johnson, biomedical engineer from Medtronics, Pittsburgh addressed the engineering students on April 23. She presented her work and research on heart arrhythmia and pace makers.

She also provided the students with a



working knowledge of what a biomedical engineer does daily as well as educational and employment opportunities. The students were surprised to learn that engineers are sought for positions other than engineering.