

# *College and Career Opportunities For Your Calculus Project Student*

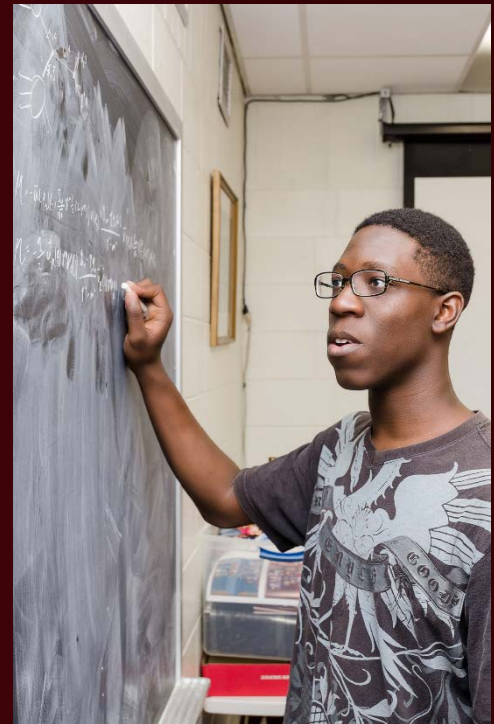
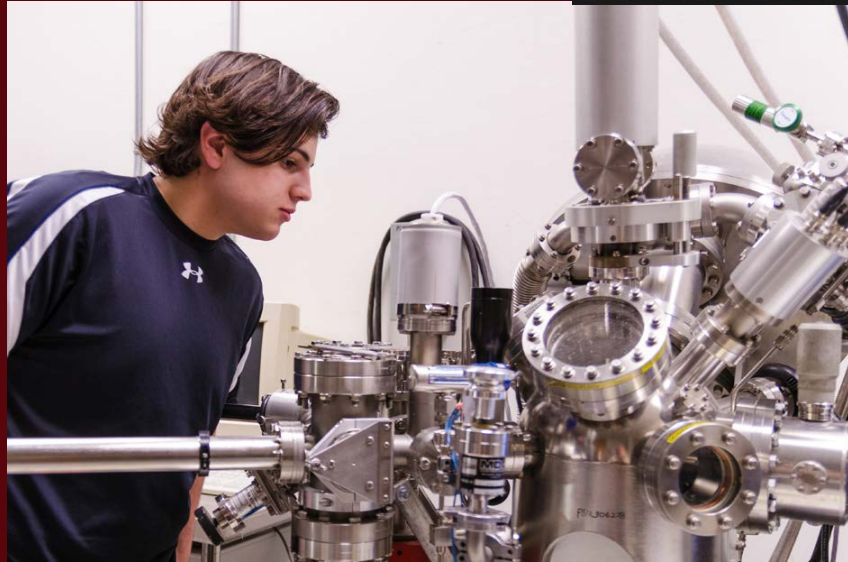
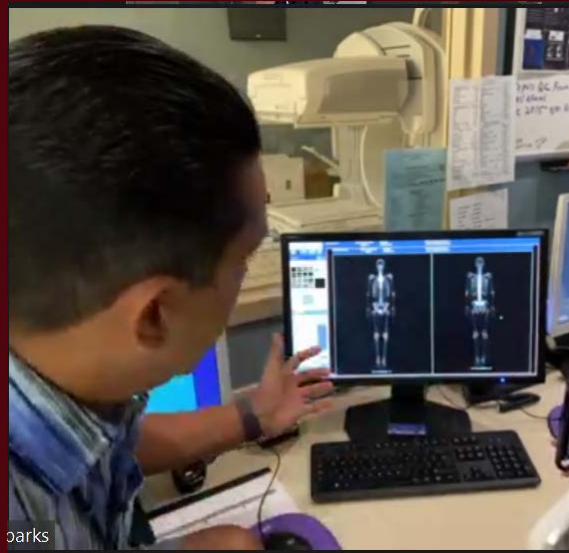
*Paul Cottle, Professor of Physics, Florida State University*

*Orange County Public Schools Calculus Project  
Spring 2021*



THE FLORIDA STATE UNIVERSITY

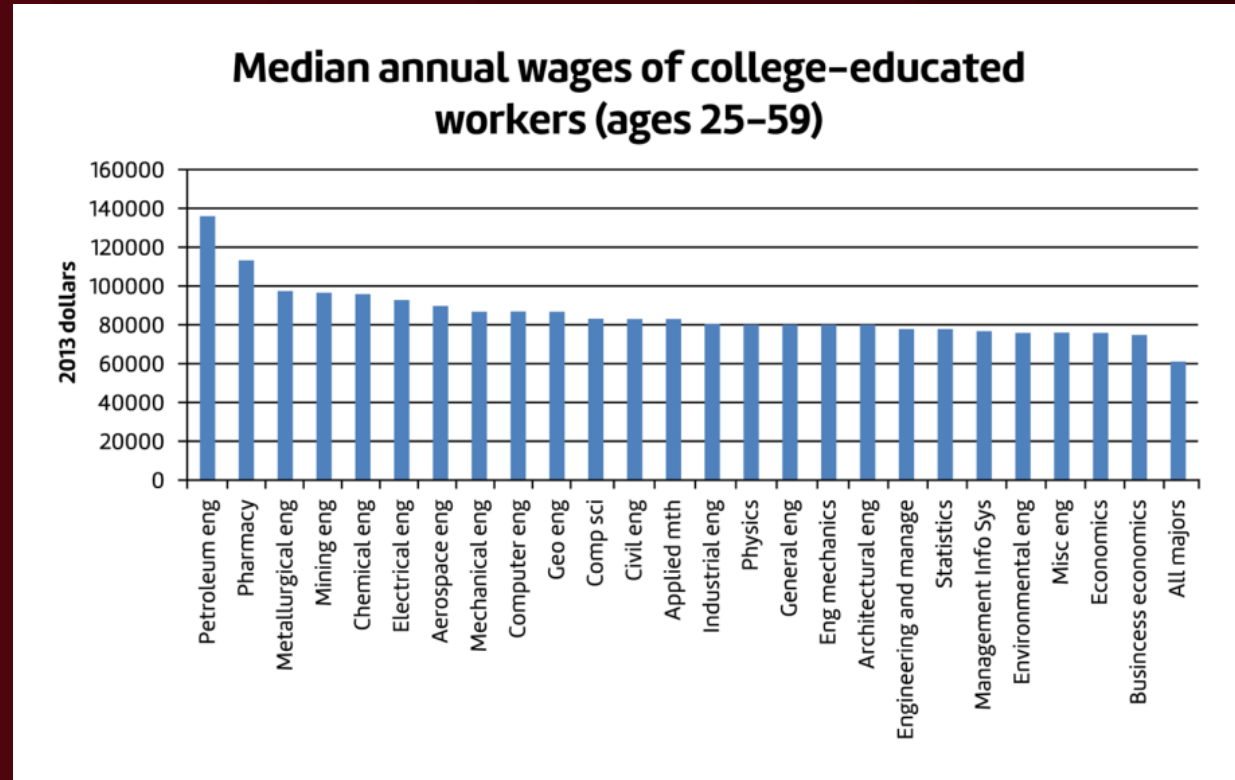
# *The Calculus Project opens a world of opportunity for your student*



THE FLORIDA STATE UNIVERSITY

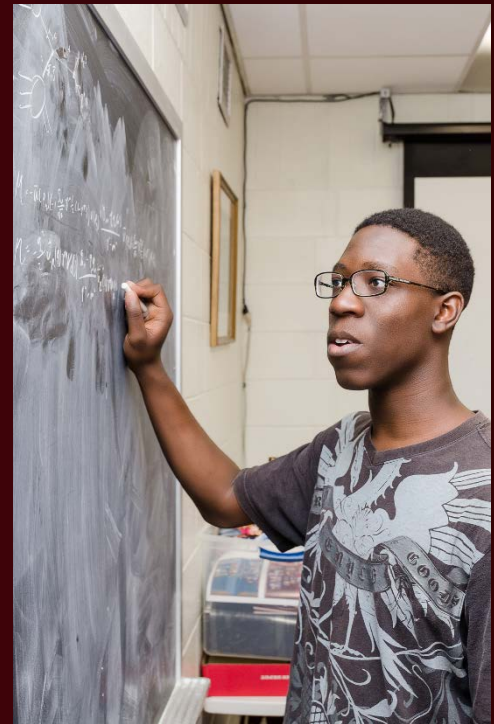
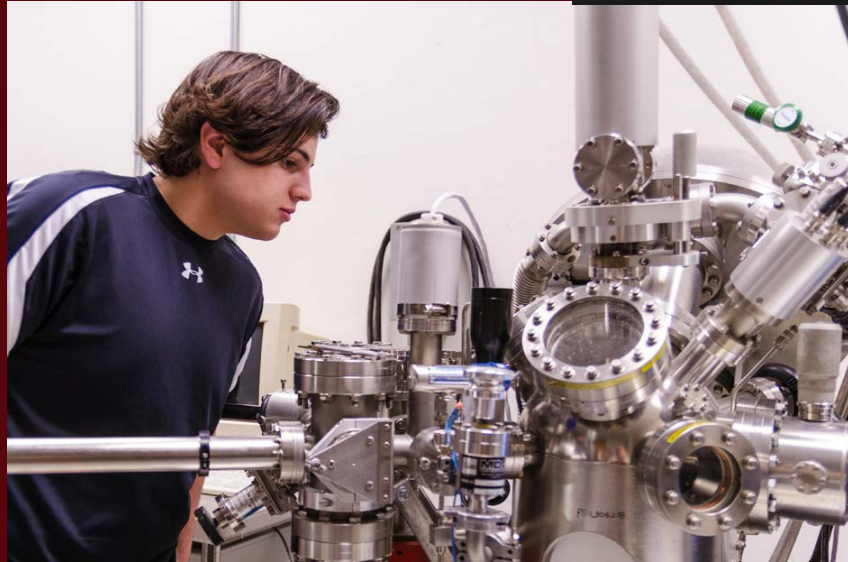
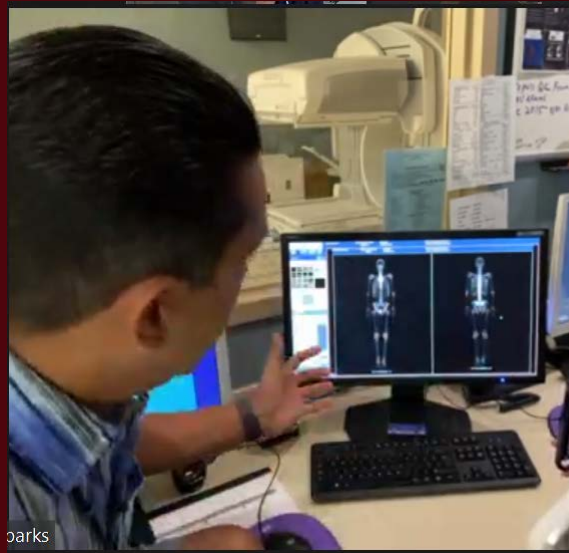
## Top 25 college majors ranked by salary:

- 16 are Engineering fields
- Physics, Computer Science, Applied Math and Statistics are also in the Top 25
- All these fields require high level math and science skills



THE FLORIDA STATE UNIVERSITY

*Which courses should you take in high school to prepare for these college majors and careers?*



THE FLORIDA STATE UNIVERSITY

# *High school courses to prepare for a college major in engineering:*

- *Chemistry*
- *Physics*
- *Calculus (or at  
least Precalculus)*

*- From the American Society for  
Engineering Education*

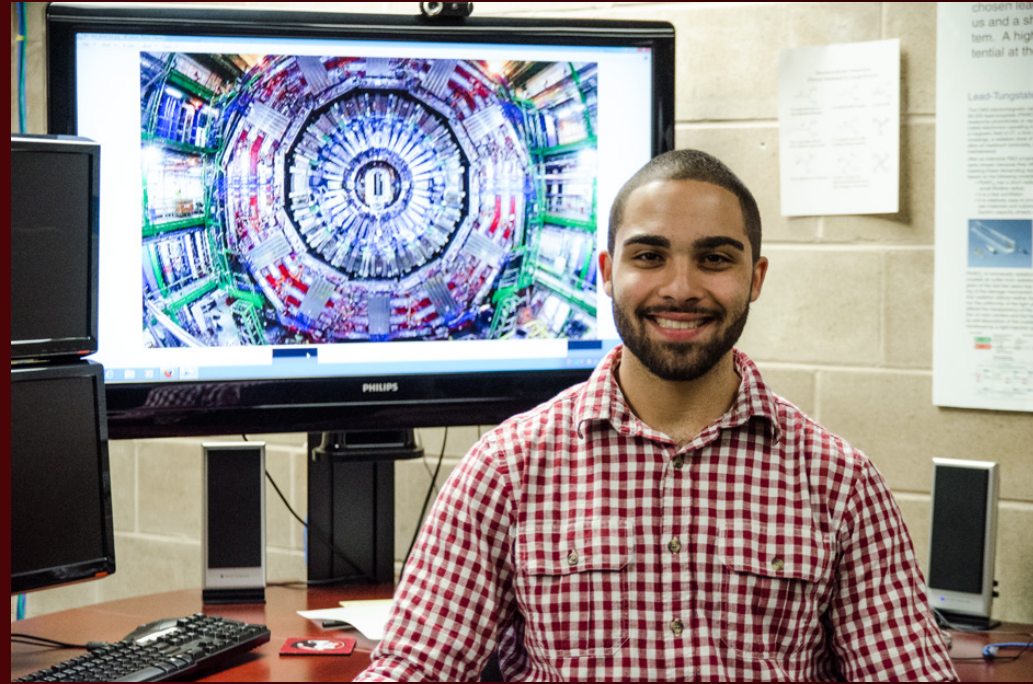


THE FLORIDA STATE UNIVERSITY

# *High school courses to prepare for a college major in Computer Science:*

- *Physics*
- *Calculus*

- *Gary Leavens, Chair of UCF's  
Department of Computer  
Science, quoted in Orlando  
Sentinel, July 18, 2019*



THE FLORIDA STATE UNIVERSITY

# *High school courses to prepare for a medical career:*

- ***Biology***
- ***Chemistry***
- ***Physics***
- ***Calculus***
- ***Statistics***

- *From the Association of  
American Medical Colleges*



THE FLORIDA STATE UNIVERSITY

# High School Courses to Access Engineering, Science and Medical Careers:

**Calculus**

**Chemistry**

**Physics**



THE FLORIDA STATE UNIVERSITY