

IDENTIFY THESE OCCUPATIONS

EASY WARM UP













IDENTIFY THESE OCCUPATIONS

Fireman



Surgeon



Veterinarian



Police Officer

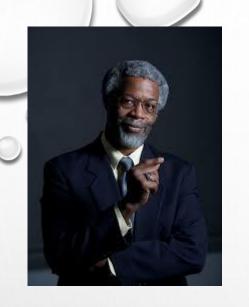
EASY WARM UP



Programmer

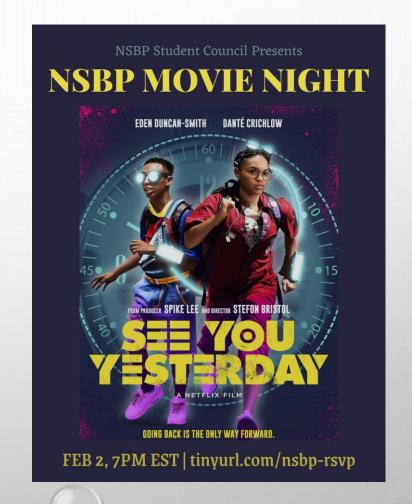


Judges (Baltimore City Circuit Court)





CAN YOU SPOT THE PHYSICIST? (THIS IS A LITTLE HARDER)









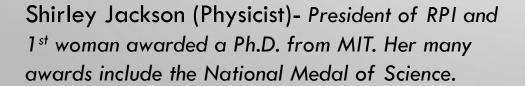
Sylvester
James Gates
(Physicist) —
Theoretical
Physicist



Valerie Thomas (Physicist) – Scientist, Inventor, and Morgan State Alumna





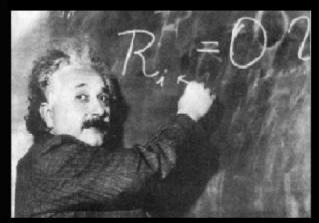




Eden Duncan-Smith – Actress, Physicist, and current Morgan State Student

Edward Bouchet (Physicist) 1852-1918 Yale graduate and 1st African-American in history awarded Ph.D.

PHYSICIST



What my friends think I do



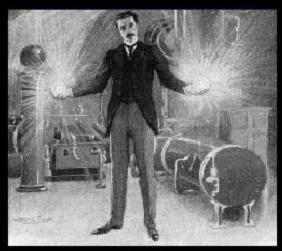
What my mother thinks I do



What society thinks I do



What mathematicians think I do



What I think I do

$$\hat{H} \ket{P,Q} = \epsilon \ket{P,Q}$$

$$\mathbf{1} = \int \mathrm{d}\rho \ket{\rho} \bra{\rho}$$

$$\langle \rho | \rho' \rangle = \delta(\rho - \rho')$$

$$\int \langle \rho | \hat{H} | \rho' \rangle \bra{\rho'} \ket{P,Q} \mathrm{d}\rho' = \epsilon \bra{\rho} \ket{P,Q}$$

$$\langle \rho | P, Q \rangle = \begin{pmatrix} P(\rho) \\ Q(\rho) \end{pmatrix}$$
What I really do

Physics underlies all basic science and engineering biology, chemistry, and astronomy.

- Engineering
- Mechanics
- Optics
- Electronics
- Magnetics
- Semiconductors

- Mechanics
- Data Processing
- Medical Technology
 Materials and
- Fluids
- Acoustics
- Teaching

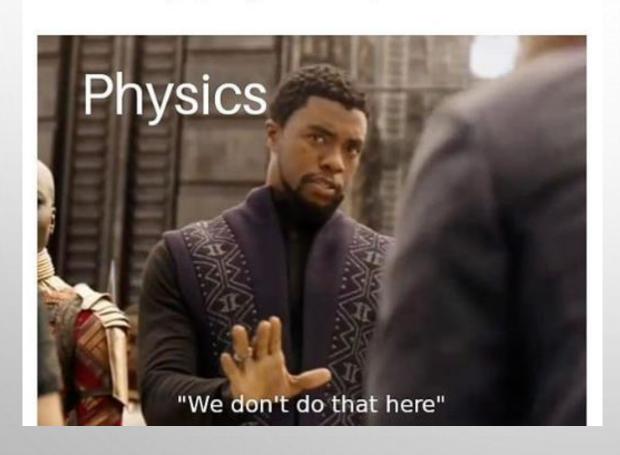
- Space Exploration
- Astronomy

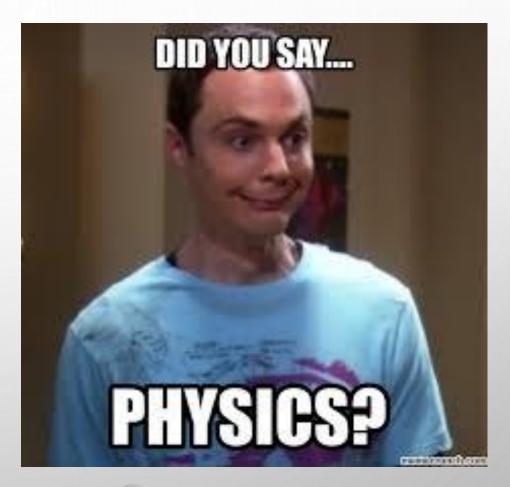
Construction

Physics in Everyday Life

If you've ever wondered what makes lightning, how planes fly, how to make better cell phones, or how long it takes light from a star to reach us - you have been thinking about some of the same things physicists study every day!

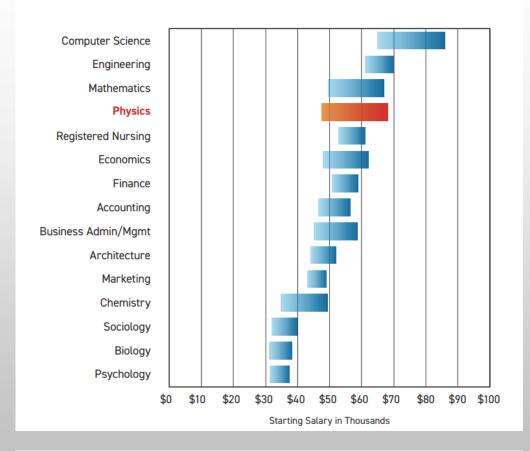
"Friction is an important part of every physical process."





What Do New Bachelors Earn?

Starting Salaries for the Class of 2018



Bars represent the middle 50% of salaries, i.e. between the 25th and the 75th percentiles.

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MOST COMMON BACHELOR PHYSICIST JOB TITLES

ENGINEERING Computer Hardware Research & Technical

- SYSTEMS
 ENGINEERS
- ELECTRICAL
 ENGINEERS
- DESIGN
 ENGINEERS
- MECHANICAL
 ENGINEERS

- Software Engineers
- Programmers
- Web Developers
- IT Consultants

And the list goes on...

- Research Assistant
- Research Associate
- Research Technician
- Lab Technician

Education

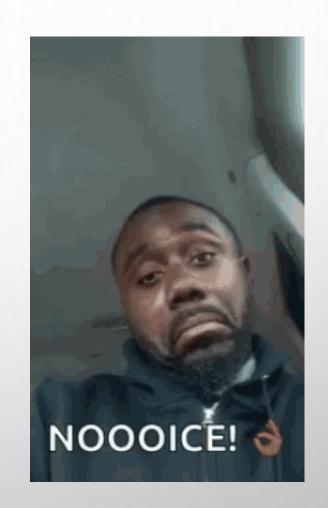
- High School Physics Teacher
- High School Science Teacher
- Middle School
 Science Teacher

AREA EMPLOYERS ACTIVELY SEEK OUR GRADUATES WHO GO ON TO DO BIG THINGS!!

TOP RECRUITERS INCLUDE:

- JOHN HOPKINS' APPLIED PHYSICS LABORATORY
- THE NAVAL SURFACE WARFARE CENTER
- NASA'S GODDARD SPACE CENTER AND
- THE UNITED STATES PATENT AND TRADEMARK OFFICE.

THESE ARE JUST TO NAME A FEW!



WHY CHOOSE MORGAN STATE PHYSICS & ENGINEERING PHYSICS?

Relevant Research

 AS A PHYSICS MAJOR AT MORGAN, YOU'LL PARTICIPATE IN RELEVANT RESEARCH USING THE SAME STATE-OF-THE-ART ELECTRONIC INSTRUMENTS FOUND IN LABORATORIES AROUND THE WORLD.









COME JOIN US!



www.Morgan.edu/Physics

Physics_Department@morgan.edu

Questions?