

**NEXT GENERATION SCHOLARS: GET \$\$ TO PAY FOR COLLEGE!**

# Be What I WANT TO BE

**WHAT DOES IT TAKE TO  
BECOME AN ENGINEER,  
BUSINESS OWNER OR TEACHER?**

**FIND OUT MORE IN OUR CAREER PROFILES!  
STARTING ON PAGE 36**



**LET'S GET STARTED:  
A STEP BY STEP PLAN  
PAGES 10-11**



**computer  
scientist**

**actress**

**undecided**

**engineer**

**NEW MBRT  
WAY TO BE APP!  
MORE INFORMATION  
ON PAGE 18**

**THE DAILY RECORD**



# EMPOWERING STUDENTS TO CHANGE THE WORLD

Booz Allen is proud to support The Maryland Business Roundtable for Education (MBRT) and its commitment to encouraging student achievement in STEM.

Together, we can empower bright visionaries, influential innovators, and dedicated problem-solvers. Let's help turn imagination into impact.

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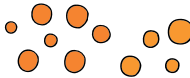
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for Education.



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helps our community  
work better.



Through charitable contributions and outreach, we encourage students of all ages to work hard and develop skills which will help them contribute to the future growth and success of our society. To learn more, visit **BGE.COM/Giving**.



An Exelon Company



# WHAT DOES IT COST TO LIVE?

## MONTHLY EXPENSES



1 BEDROOM APARTMENT  
.....\$1,219



CAR PAYMENT.....\$400



CAR INSURANCE/GAS/  
MAINTENANCE..... \$450



GAS/ELECTRICITY.....\$150



PHONE/INTERNET/CABLE  
..... \$150



FOOD.....\$350



ENTERTAINMENT.....\$200

TOTAL EXPENSES.....**\$2,919** → NET PAY / MONTH **\$1,759.33**

## WEEKLY PAY STUB

Hourly Rate	Hours Worked	Gross Wages
\$15.00	40	\$600.00

### Taxes Withheld

Federal	-\$102.00
State/Local	-\$36.00
Social Security	-\$36.00

### Other Deductions

Health Insurance	-\$20.00
------------------	----------

**NET PAY (What you take home)      \$406.00**

## INCOME PER MONTH

Gross Wages at \$15 per hour

Annual: (\$600 x 52 weeks)      \$31,200.00

Monthly: (\$31,200 ÷ 12 months)      \$2,600.00

### Taxes Withheld

Federal	-\$442.00
State/Local	-\$156.00
Social Security	-\$156.00

### Other Deductions

Health Insurance	-\$86.67
------------------	----------



# HERE IS WHAT SOME MARYLAND JOBS PAY\*

Occupation	Education	Median Hourly Wage	Median Monthly Wage	Median Annual Wage	Employment Projections in 2024
Pediatrician	Doctoral or Professional degree	\$87.54	\$16,992	\$203,910	1,070
Lawyer	Doctoral or Professional degree	\$50.70	\$10,294	\$105,450	13,371
Information Security Analyst	Bachelor's degree	\$50.23	\$8,735	\$104,830	5,343
Veterinarian	Doctoral or Professional degree	\$48.55	\$8,414	\$100,976	1,624
Biomedical Engineer	Bachelor's degree	\$45.34	\$7,932	\$95,190	845
Speech Language Pathologist	Master's degree	\$38.85	\$6,867	\$82,410	4,524
Technical Writer	Bachelor's degree	\$36.74	\$6,368	\$76,426	2,731
Environmental Scientist	Bachelor's degree	\$35.87	\$6,300	\$74,601	2,882
Nurse (registered)	Associate's degree	\$35.32	\$6,122	\$73,470	99,489
Producers and Directors	Bachelor's degree	\$35.20	\$6,100	\$73,214	1,728
Teacher (Secondary)	Bachelor's degree	\$31.70	\$5,522	\$66,266	88,721
Executive Administrative Assistant	High School diploma	\$31.67	\$5,505	\$66,060	13,744
Forensic Science Technician	Bachelor's degree	\$30.88	\$5,352	\$64,229	491
Police Officer	High School diploma	\$27.34	\$4,739	\$56,869	14,996
Graphic Designer	Bachelor's degree	\$27.06	\$4,689	\$56,275	3,190
Emergency Medical Technician	Certificate	\$23.20	\$4,021	\$48,262	5,907
Accountant/Auditor	Bachelor's degree	\$22.15	\$3,839	\$46,076	35,229
Carpenter	High School diploma	\$21.98	\$3,810	\$45,725	13,701
Real Estate Sales Agent	High School diploma	\$21.42	\$3,713	\$44,563	2,861
Dental Assistant	Certificate	\$19.73	\$3,419	\$41,036	6,569
Fitness Trainer	High School diploma	\$18.26	\$3,165	\$37,986	9,585
Photographer	Bachelor's degree	\$12.17	\$2,109	\$25,318	1,106
Retail Salesperson	High School diploma	\$11.00	\$1,906	\$22,881	78,846
Waiter or Waitress	High School diploma	\$9.38	\$1,626	\$19,519	8,982

\*Maryland averages based on DLLR Occupational and Wage Data

WHAT ARE YOU DOING  
TO PREPARE YOURSELF  
TO EARN A GOOD SALARY?

For more occupations, visit  
<http://www.dllr.state.md.us/lmi/> and click on  
"Occupational and Wage Data"  
and/or "Projection Data".

# COURSES MATTER CHOICES MATTER...



Legal Name Pat Smith  
ID Number 625-559-5799  
Birth Date 01/01/2000  
Class of 2018  
Graduation Date 05/27/2018

Parent/Guardian Patrick and Patricia Smith

## SECONDARY SCHOOL INFORMATION

School Name Centennial High School  
Address 123 Second Street  
City Baltimore State MD Zip Code 21222  
Phone 410-555-2121 Fax 410-555-3131

Principal Mary Jackson

Counselor Jim Lawrence

SUBJECTS	INSTR LEVEL	FINAL		CREDIT EARNED	QUALITY POINTS
			GRADE		
Gr. 9		SCHOOL YEAR 2014 - 2015			
English 9	H		A	1.00	5.00
Amer. Govt.	H		B	1.00	4.00
Geometry	H		C	1.00	3.00
Biology	H		A	1.00	5.00
French 2	ST		A	1.00	4.00
Foundations of Art	GT		C	1.00	4.00
PE Fitness	ST		A	1.00	4.00
Present: 175.0	Absent: 5.0			7.00	29.00

SUBJECTS	INSTR LEVEL	FINAL		CREDIT EARNED	QUALITY POINTS
			GRADE		
SCHOOL YEAR 2015-2016					
Gr. 10					
English 10	H		B	1.00	4.00
World History	H		A	1.00	5.00
Algebra 2	ST		B	1.00	3.00
Chemistry	H		B	1.00	4.00
French 3	ST		A	1.00	4.00
Studio Drawing/Painting	GT		B	1.00	5.00
Tech./Pers. Comp.	ST		B	1.00	3.00
Present: 172.0	Absent: 8.0			7.00	28.00

SUBJECTS	INSTR LEVEL	FINAL		CREDIT EARNED	QUALITY POINTS
			GRADE		
SCHOOL YEAR 2016-2017					
Gr. 11					
English 11	H		B	1.00	4.00
U.S. History	H		A	1.00	5.00
Pre-Calculus	ST		B	1.00	3.00
Physics	ST		C	1.00	2.00
Figure Drawing 1	GT		B	1.00	5.00
Health	ST		B	1.00	3.00
Telemedia Design 1	GT		B	1.00	5.00
Present: 175.00	Absent: 7.00			7.00	27.00

SUBJECTS	INSTR LEVEL	FINAL		CREDIT EARNED	QUALITY POINTS
			GRADE		
Gr. 12		SCHOOL YEAR 2017 - 2018			
English 12	H		A	1.00	5.00
Economics/Public Issues	H		B	.50	2.00
College Algebra	AP		B	1.00	5.00
Latin 1	ST		A	1.00	4.00
Figure Drawing 2	GT		A	1.00	5.00
Painting	GT		B	1.00	5.00
Telemedia Design 2	GT		B	1.00	5.00
Present: 173.0	Absent: 7.0			6.50	32.00

ACADEMIC SUMMARY					
SUBJECTS	9	10	11	12	TOT
English	1	1	1	1	4.0
Social Studies	1	1	1	.5	3.5
Mathematics	1	1	1	1	4.0
Science	1	1	1	1	4.0
World Language	1	1		1	3.0
Business Education					
Art	1	1	2	3	7.0
Music					
Physical Education	1				1.0
Health			1		1.0
Technology Education		1			1.0
Vocational Tech Ed.					
Home Economics					
Special Education					
<b>TOTAL</b>					<b>28.5</b>

MARYLAND HIGH SCHOOL ASSESSMENTS (X WHEN PASSED)			
PARCC Algebra I	X	HSA Biology	X
PARCC English 10	X	HSA Government	X

Serv. Learning Hrs. MET

GPA: 3.3

Weighted GPA: 4.2

What you do in your four years of high school is important to having a successful future.

COLLEGES AND EMPLOYERS ASK FOR HIGH SCHOOL TRANSCRIPTS BECAUSE THEY WANT TO KNOW:

Did you take challenging courses?

Are you prepared to do college work?

Do you have the skills you need to be successful?

Will you show up for class or work?

Are you reliable?

Would you be eager to take on a challenge?

ACADEMIC COURSE CODES		COURSE GRADES AND NOTIFICATIONS	
GT: Gifted and Talented		Passing	Failing
H: Honors		A: 90-100%	E: Below 60%
ST: Standard		B: 80-89%	I: Incomplete
SE: Special Education		C: 70-79%	U: Unsatisfactory
		D: 60-69%	AW, BW, CW, DW: Credit Withheld
		S: Satisfactory	

June 5, 2018 Mary Jackson  
Date Official Signature



You want your transcript to shout YES! to all of those questions.





Legal Name Kelly Jones  
 ID Number 111-22-333  
 Birth Date 02/02/2000  
 Class of 2018  
 Graduation Date 05/27/2018  
 Parent/Guardian Kenny and Kim Jones

## SECONDARY SCHOOL INFORMATION

School Name Centennial High School  
 Address 123 Second Street  
 City Baltimore State MD Zip Code 21222  
 Phone 410-555-2121 Fax 410-555-3131  
 Principal Mary Jackson Counselor Jim Lawrence

SUBJECTS	INSTR LEVEL	FINAL GRADE	CREDIT EARNED	QUALITY POINTS
SCHOOL YEAR 2014 - 2015				
Gr. 9	ST	C	1.00	2.00
English 9	ST	B	1.00	3.00
Amer. Govt.	ST	E	0.00	0.00
Algebra 1	ST	D	1.00	1.00
Biology	ST	C	1.00	2.00
Spanish I	ST	A	1.00	4.00
Tech./Pers. Comp.	ST	C	1.00	2.00
PE/Fitness	ST		6.00	14.00
Present: 165.0	Absent: 15.0			

SUBJECTS	INSTR LEVEL	FINAL GRADE	CREDIT EARNED	QUALITY POINTS
SCHOOL YEAR 2015 - 2016				
Gr. 10	ST	D	1.00	1.00
English 10	ST	C	1.00	2.00
World History	ST	R	1.00	1.00
Algebra 1	ST	C	1.00	2.00
Environmental Science	ST	C	1.00	2.00
Spanish 2	ST	D	1.00	1.00
Health	ST	B	1.00	3.00
Graphic Arts	ST		7.00	12.00
Present: 162.0	Absent: 18.0			

SUBJECTS	INSTR LEVEL	FINAL GRADE	CREDIT EARNED	QUALITY POINTS
SCHOOL YEAR 2016 - 2017				
Gr. 11	ST	D	1.00	1.00
English 11	ST	D	1.00	1.00
U.S. History	ST	D	1.00	2.00
Geometry	ST	C	1.00	2.00
Oceanography	ST	C	1.00	2.00
Spanish 3	ST	E	0.00	0.00
Music	ST	A	1.00	4.00
Comp. Aided Design 1	ST		6.00	11.00
Present: 167.00	Absent: 13.00			

### ACADEMIC COURSE CODES

GT: Gifted and Talented  
 H: Honors  
 ST: Standard  
 SE: Special Education

### COURSE GRADES AND NOTIFICATIONS

**Passing**  
 A: 90-100%  
 B: 80-89%  
 C: 70-79%  
 D: 60-69%  
 S: Satisfactory

**Failing**  
 E: Below 60%  
 I: Incomplete  
 U: Unsatisfactory  
 AW, BW, CW, DW: Credit Withheld

**Notations**  
 NG: No Grade  
 R: Repeated Course

June 5, 2018 Mary Jackson  
 Date Official Signature

SUBJECTS	INSTR LEVEL	FINAL GRADE	CREDIT EARNED	QUALITY POINTS
SCHOOL YEAR 2017-2018				
Gr. 12	ST	D	1.00	1.00
English 12	ST	D	1.00	1.00
World Cultures	ST	C	1.00	2.00
Consumer Math	ST	C	1.00	2.00
Ecology	ST	D	1.00	1.00
Fundamentals of Art	ST	D	1.00	1.00
Sign Language	ST	D	1.00	1.00
Comp. Aided Design 2	H	B	1.00	4.00
Present: 160.0	Absent: 20.0		7.00	12.00

SUBJECTS	9	10	11	12	TOT
English	1	1	1	1	4.0
Social Studies	1	1	1	1	3.0
Mathematics	0	1	1	1	4.0
Science	1	1	1	1	4.0
World Language					
Business Education		1			2.0
Art				1	1.0
Music					
Physical Education	1				1.0
Health		1			1.0
Technology Education	1		1	1	3.0
Vocational Tech Ed.					
Home Economics					
Special Education					26.0
TOTAL					

MARYLAND HIGH SCHOOL ASSESSMENTS (X WHEN PASSED)		
PARCC Algebra I	X	HSA Biology
PARCC English 10	X	HSA Government
MET		

Serv. Learning Hrs. \_\_\_\_\_  
 GPA: 1.9 Weighted GPA: 1.9



BE HONEST, WHO  
 WOULD YOU HIRE?  
 The Maryland Scholar with  
 above-average grades?  
 The student with below-  
 average grades and poor  
 attendance?

# LEADING INNOVATION TO MARKET

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# TEDCO

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# ARE YOU A POTENTIAL NEXT GENERATION SCHOLAR?

Put a check in the column that best describes you and your plans.

MOSTLY TRUE

SOMETIMES TRUE

NOT TRUE

I am doing well in school.

☐
☐
☐

I show up to class on time.

☐
☐
☐

I do more than expected of me in class.

☐
☐
☐

I plan to take high levels of math and science.

☐
☐
☐

I know what I need to do to qualify for scholarships and grants.

☐
☐
☐

I plan to learn a world language in high school.

☐
☐
☐

I am/plan to get involved in extracurricular activities.

☐
☐
☐

I currently/plan to give back to my community.

☐
☐
☐

I am careful about what I post on social networking sites.

(Instagram, Twitter, etc.)

☐
☐
☐

I know what I want to do after high school.

☐
☐
☐

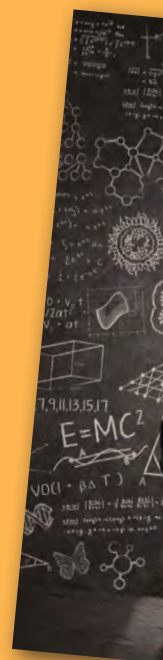
**KEY:** Mostly True = 2 points    Sometimes True = 1 point    Not True = 0 points    Total \_\_\_\_\_

**IF YOU SCORED 14 POINTS OR HIGHER:** Congratulations! You are well on your way to being a Next Generation Scholar. You will likely complete all the right courses to get a good job with benefits, succeed in college AND qualify for scholarships and grants to help pay for college. Studies have shown that high school graduates who have completed higher levels of math and science classes, come to class on time, and get involved in volunteer and school activities have earned \$1 million more over their lifetime than those who did not. Talk with your school counselor about taking Honors and AP classes, and begin researching colleges you are interested in to make sure you know what they require from you.

**IF YOU SCORED BETWEEN 7 – 13 POINTS:** With some effort, you could become a Next Generation Scholar. At a minimum, make sure you take and complete Algebra 2, Chemistry, Physics and at least 2 years of the same world language during high school. By completing these courses in high school, you will be twice as likely to graduate from college and earn 13% more in wages a year! Meet with your school counselor at least one time each year to make sure you're on track with your courses. Also consider joining clubs/activities/sports offered at school and in your community. Colleges and employers want to know that you are involved in your school community and getting involved can also help you access money to pay for college through scholarships and grants.

**IF YOU SCORED 6 POINTS OR LESS:** You have the potential to be a Next Generation Scholar, but you will need to step up your game. Employers say that high school graduates that they hire need the same skills and knowledge that colleges require of incoming freshman! Talk to your family and school counselor. They will help you get – and stay – on the right track. Now's the time to start taking control of your future.

**COURSES MATTER + CHOICES MATTER = NEXT GENERATION SCHOLAR**





# So Now What? Become a Next Generation Scholar!

Whether your goal is to go to college, the military or get a job after graduation, getting the best possible foundation in high school is essential! You don't have to know what you want to do after high school right now; however, taking the right courses now will allow you to follow any path you choose later on.

Being a Next Generation Scholar will help you:

- Get a good job that pays more
- Succeed in college-level courses
- Qualify for scholarships and/or grants to help you pay for school

By taking these courses, you will have a greater chance of getting into schools that you apply for, whether it's in state as well as out of state, because of the skills and knowledge gained from them.

## Next Steps:

1. Qualify and apply for the Next Generation Scholars Program
2. Participate in program activities throughout the school year related to college and career exposure and preparation
3. Apply for admission to an institution of higher education during senior year of high school and complete the FAFSA application.

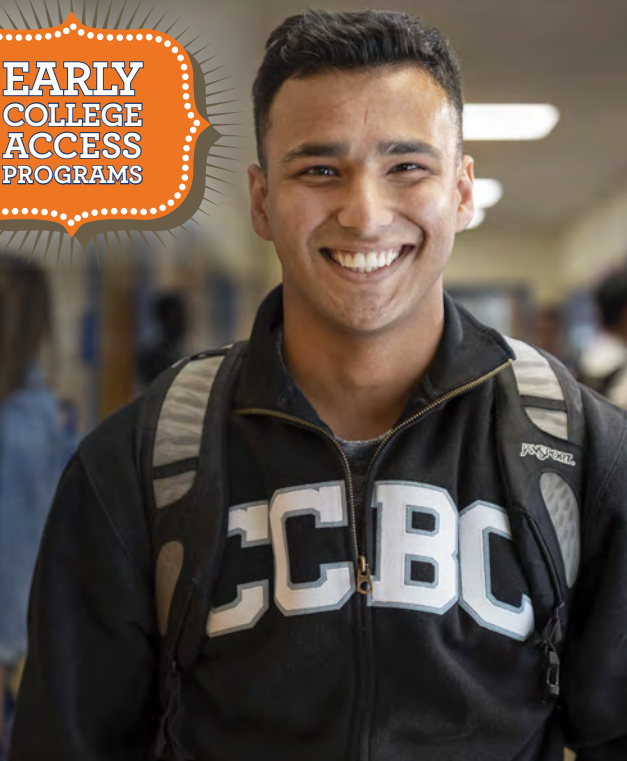
- » Students must attain a minimum 2.5 GPA.
- » Courses highlighted in red are beyond state graduation requirements.
- » \*\* A 3rd lab science may be substituted for Physics

## NEXT GENERATION SCHOLAR COURSES

- 4 credits of English
- 4 credits of Math (including Algebra 1, Geometry, **Algebra 2**)
- 3 credits of Lab Science (Biology, **Chemistry, Physics\*\***)
- 3 credits of Social Science (U.S. History, World History, Government)
- 2 credits of the same **World Language**

## START COLLEGE IN HIGH SCHOOL

EARLY  
COLLEGE  
ACCESS  
PROGRAMS



## SAVE TIME AND MONEY

As early as ninth grade, all high school students—public, private and home-schooled—can take credit classes for HALF-PRICE tuition at CCBC. Eligible Baltimore County Public School juniors and seniors can take up to four classes TUITION-FREE!

Finish your associate degree and enjoy guaranteed transfer to any school in the UM system\* or transfer your credits wherever you want to go. That adds up to huge savings—\$15,000 to \$60,000—and a chance to get through college with way less debt.

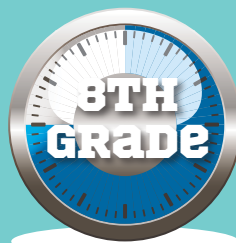
[ccbcmcmd.edu/earlycollege](http://ccbcmcmd.edu/earlycollege)

\*pending space availability





- Find and read books, magazines, and other materials that interest you. Reading increases your vocabulary, and improves writing and critical thinking skills, all of which are important in high school and crucial when taking the SAT/ACT, and in college.
  - Explore your academic and outside interests, and how they connect to possible careers.
  - Join clubs/activities, play a sport or volunteer.
  - If your school offers the opportunity, sign up for a world language. This will help you get a head start on university requirements and prepare you for more options in your future.
  - Work hard and study to get good grades – it will make a difference in your options for high school.
- 
- Sign up for Maryland Scholars courses in your high school. Include Algebra 2, Biology, Chemistry, Physics and 2 credits of a world language.
  - Research colleges and careers that interest you.
  - Complete common core grade 8 mathematics or Algebra 1.
  - Explore your high school options, and work with your family and school to apply to those that interest you.



- Work hard and study to get good grades – it will make a difference in your options for high school.
- Join clubs/activities, play a sport or volunteer.

- Meet your counselor regularly to discuss goals and plans.
- Complete Algebra 1 or Geometry.
- Complete a lab-based science course such as Biology.
- Study, study, study! Colleges look at your transcript beginning with freshman grades. ALL 4 YEARS COUNT!
- Ask for help when you need it.
- High school sophomores can begin taking Advanced Placement (AP) and Career and Technical Education (CTE) classes. Talk to your school counselor about which classes are right for you.
- Join an extracurricular activity.

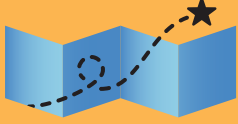


- Check in with your school counselor to make sure you're on track with your coursework.
- Keep up with classes, assignments and grades.
- Complete Geometry or Algebra 2.
- Take rigorous lab-based science courses such as Chemistry or Biology.
- Take honors and AP courses.
- Continue extracurricular activities and take a leadership role if possible.
- Take the PSAT or ACT PLAN tests.
- Research dual enrollment opportunities.
- Plan enrichment activities for the summer, like summer workshops, internships, apprenticeships and jobs.





**Visit the  
Way to Be app  
for more  
information!**



**WAY to BE**



- Maintain good grades and exceed your potential. Junior-year grades are especially important for college admissions, but all four years count.
- Take honors and AP classes.
- Take rigorous math and science courses such as Pre-calculus and Physics.
- Register and take the SAT or ACT test.
- Take advantage of dual enrollment opportunities offered at your school.
- Check out the colleges you are interested in – in person and online. Know their admissions criteria.
- Research scholarships – start early so you can build a record that allows you to qualify.
- Pass all the High School Assessments.



- Make the most of your senior year. It is important! No time to ease up now.
- Take a rigorous math class so you'll be successful when taking college entrance exams.
- Meet with your school counselor and review your transcript.
- Know and meet the deadlines to fill out college applications, and start early to write essays and get teacher recommendations.
- Submit your college financial aid application (FAFSA) by March 1 – even if you think you don't need or won't qualify for financial aid.
- Search the Web and private groups for scholarships and apply.
- Be recognized as a Next Generation Scholar. Celebrate!



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is creating more opportunities in and out of the classroom and around the world. Our momentum is bringing learning and exploring to new levels.

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61094609 MAS 7/18/18-12/31/18



# STUDENT LIFE

The high school years are all about discovery – discovering who you are as a person, discovering what matters to you and what you value and discovering the path you will take in life. Here are some ideas of extracurricular activities that you can get involved in during high school to discover YOU.

**Leadership** (helps develop communication and negotiation skills, network, hone problem-solving skills and discover new talents)

- Future Business Leaders of America
- Honor Society
- Student Athletic Association
- Student Government



**Athletics** (helps build sportsmanship, teamwork, character development, leadership, development of athletic skills and health and safety)

- Cheerleading
- Junior Varsity and Varsity Sports
- Swimming and Diving
- Junior ROTC
- Track and Field

## Clubs and Activities

(helps maintain balance, foster creative, social and physical skills and strengthen self-esteem)

- Debate Team
- Math Team
- Choir
- STEM Clubs such as Robotics
- Mock Trial
- AV Clubs
- World Languages
- Theatre Club
- Mathematics
- Yearbook
- Engineering Science
- Achievement MESA

**Service Learning** (helps connect real-world experiences to academic subjects and gain understanding of oneself and empathy and respect for others)

- Become a volunteer tutor.
- Coach a youth team in a sport you love.
- Hold a bake sale or donation drive for your favorite charity.
- Participate in a clean-up of a road, local park or school.
- Teach computer skills to the elderly.
- Volunteer to teach English for Speakers of Other Languages (ESOL).



# S A T A C T

These tests measure reading, writing and language and math skills and knowledge developed over many years, both in and out of school. You won't be asked to recall facts from literature, history, or science, or to complete math formulas, because these tests measure your reasoning and critical thinking skills. The SAT and ACT generally test the same types of content.

Both ACT and SAT scores are used for college admissions and merit-based scholarships. The biggest differences between the tests are that the ACT has a Science Test and there's one SAT Math Section for which you cannot use a calculator. Colleges don't prefer one over the other, so explore both tests to decide which one(s) to take.



## INSIDE THE TEST

These tests are highly relevant to your future success, because they focus on the skills and knowledge at the heart of education. They'll measure:

- What you learn in high school
- What you need to succeed in college

If you think the key to a high score is memorizing words and facts you'll never use in the real world, think again. You don't have to discover secret tricks or cram the night before.

## THE BEST WAY TO PREPARE FOR THE TEST IS TO:

- Take challenging courses
- Do your homework
- Prepare for tests and quizzes
- Ask and answer lots of questions

In short, take charge of your education and learn as much as you can.

### PSAT: The

Preliminary SAT is a preparatory version of the SAT exam that most students take in both 10th and 11th grade. When you take the PSAT/NMSQT, you're automatically screened for the National Merit® Scholarship Program, an academic competition for recognition and SCHOLARSHIPS!

### SAT: The

SAT is one of two standardized college admissions tests in the US. As of March 2016, there are two SAT sections: Math, Evidence-Based Reading and Writing, plus an optional Essay.

### ACT: The ACT is

a national college admissions examination that consists of subject area tests in: English, Mathematics, Reading and Science. The ACT with writing includes the four subject area tests plus a 40-minute writing test.

	The Average Freshman at These Schools Had a GPA of...			
Verbal + MathSAT Score of...	<2.50	2.50-3.00	3.01-3.49	3.50 OR +
<750	CCBC, BCCC, AACC, HCC, Garrett College			
750-999		Bowie State, Coppin State, UMD- Eastern Shore	Morgan State	
1000-1199		U Baltimore	Frostburg State, McDaniel College, Mt. St. Mary's, Stevenson U	Towson U, Hood College, Washington College
1200 OR +			Goucher College, Loyola U	Salisbury State, St Mary's College, UMBC, UMD-College Park, Johns Hopkins, MICA, Notre Dame, St John's College

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# INTERVIEW WITH A MARYLAND SCHOLAR

## Sophia

Class of 2018

### Education path

Middle School: **FORREST OAK MIDDLE SCHOOL**  
in Gaithersburg, MD

High School: **GAITHERSBURG HIGH SCHOOL**  
in Gaithersburg, MD

College: Majoring in **ENVIRONMENTAL STUDIES**  
at **SALISBURY UNIVERSITY**, CLASS OF 2022

Career goal: **MARINE BIOLOGIST**

## Be what you want to be at Frostburg!

- **Frostburg State University** has more than 100 programs of study so there is sure to be a major that's just right for you.
- **FSU is in the Maryland mountains**, perfect for studying adventure sports or the natural sciences - and tons of opportunities for outdoor fun!
- **If you want to see the world**, you can study in another country through FSU's numerous study abroad programs.

Stop by to see our beautiful campus for yourself. We'd love to meet you!



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## WHAT DO YOU WANT TO DO WHEN YOU GRADUATE FROM COLLEGE?

I would like to work closely with marine animals and their habitats to be able to study and determine the best way to protect and conserve their homes.

## HOW DID YOU DECIDE ON YOUR CAREER GOAL?

I have always been an animal lover, but as I got older I discovered that the best way to protect them is by learning about them and the environment they live in.

## WHAT IF A STUDENT DOESN'T KNOW WHAT THEY WANT TO DO AFTER HIGH SCHOOL?

I would recommend taking a variety of courses in high school and college that seem to be of certain interest; you may not know which one of those courses you'll enjoy the most, but branching out can help you find something specific. College is not the only course of action though, taking some time off and trying out different activities, reading about different topics and asking friends can also

help you find out what you're interested in doing in life.

## WAS IT HARD TO BECOME A MD SCHOLAR?

I would not say it was hard, but rather it was challenging. It is always a challenge to do your very best in the things you do, but the challenge is worth it if it helps you learn and grow as a person.

## WHAT HAS BEING A MARYLAND SCHOLAR MEANT TO YOU?

Being a Maryland Scholar means trying your hardest no matter the circumstances, it means being better than you were yesterday and continuing to progress as not only a scholar, but a person.

## WORDS OF ADVICE:

*"You can only be the best version of yourself if you challenge yourself every day in everything you do."*

## Johns Hopkins Medicine

*is proud to support*

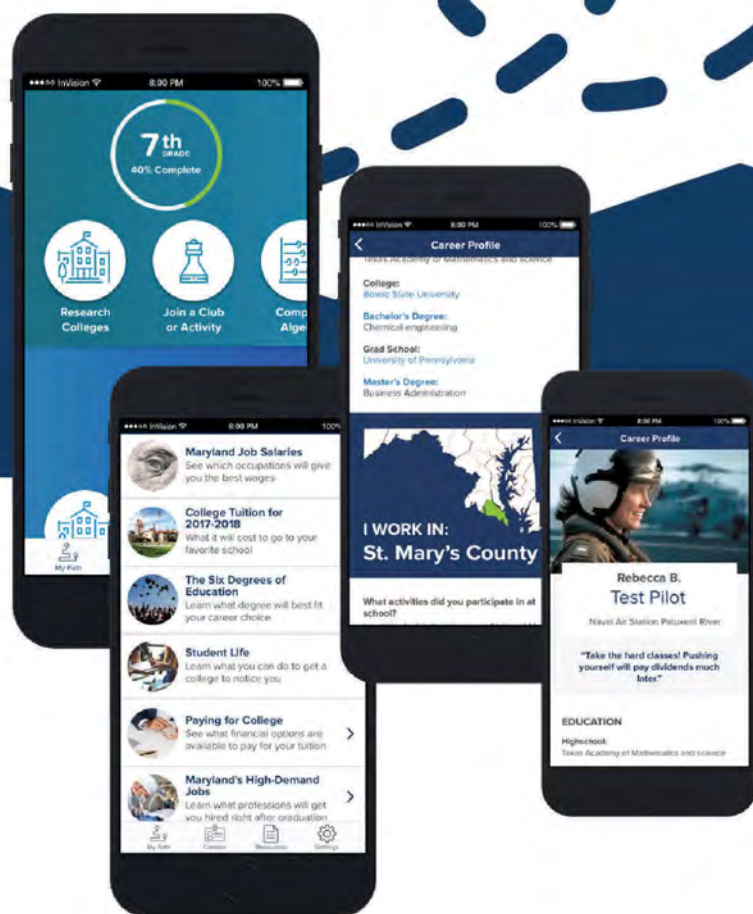
## Be What I Want to Be 2018

We believe in the power of education, opening doors for opportunities in health care and service to our community.



JOHNS HOPKINS  
MEDICINE

# WAY *to* BE



## DOWNLOAD OUR APP

If you like the *Be What I Want to Be* magazine, you'll love our new APP. It's free, available to all middle and high school students and provides additional content not found in our print publication. Students over 13 years old are able to track their progress by completing activities that will help them reach their college and career goals.



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MARYLAND  
Business Roundtable  
for EDUCATION





# YOUR CAMPUS VISIT

Try to visit college campuses when school is in session, so you can really get a feel for what it's like during a normal day. You can try to schedule your next visit on a professional development day for teachers, when you have no school but colleges are holding classes. You can also use your spring break to visit out-of-state schools – some colleges will even let you spend the night in one of their dorms. If visiting in person is not possible, be sure to take a virtual tour.

## What to see, do & ask!

*Picture yourself spending the next 4 years in this place. Is it the right school for you?*

*After visiting a few schools, your recollections may start to blur. Be sure to take photos and notes to help you remember the different experiences.*

### WHAT TO SEE:

THE DORMS - How far is the walk to class? \_\_\_\_\_

Are the dorms co-ed? ☐Y ☐N Do they have study areas? ☐Y ☐N

Is there a laundry room for students? ☐Y ☐N

THE BOOKSTORE - Do they carry everything you will need for class or will you have to leave campus for necessities? ☐Y ☐N

THE DINING FACILITIES - What are the food plan options? \_\_\_\_\_

Is there a variety of food? ☐Y ☐N Try the food. Is it good? ☐Y ☐N

THE LIBRARY - What are their hours? \_\_\_\_\_

Is there computer access for student use? ☐Y ☐N

THE SPORTS CENTERS - Take a peek at the arena while on campus. You may even be able to attend a game or concert.

### WHAT TO DO:

- Interview with an admissions officer.
- Get information about financial aid and work opportunities on campus.
- Take a tour with a student guide. Ask students questions about their experiences. Why did they choose this college? What is their major? What do they do for fun?
- Read the student newspaper or blog. What is happening on campus?
- Venture off-campus.

Is it a safe area? ☐Y ☐N

Are there things to do/visit? ☐Y ☐N

Could you find an off-campus job? ☐Y ☐N

Is public transportation available? ☐Y ☐N

### WHAT TO ASK:

What courses of study/majors does the college offer/specialize in? \_\_\_\_\_

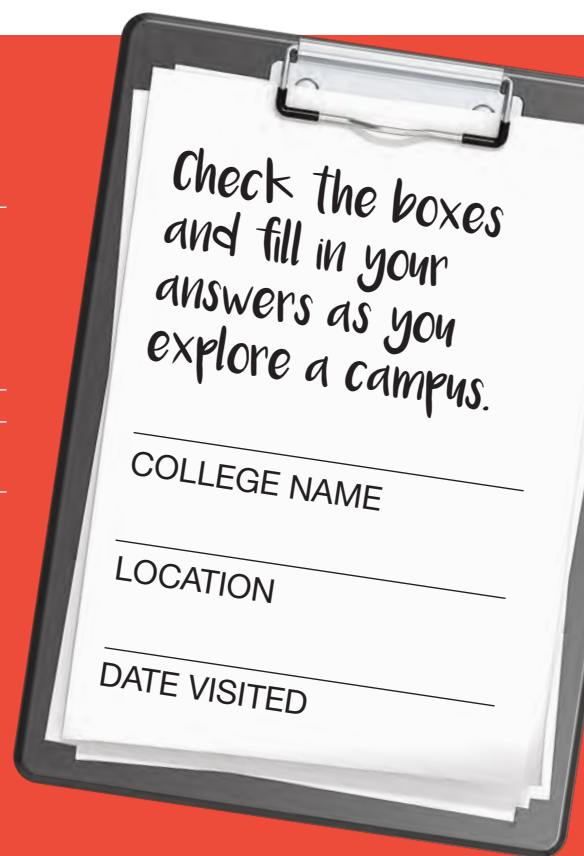
What kinds of transition support services do they offer freshmen? \_\_\_\_\_

How do you get help when you need it? \_\_\_\_\_

What's the student-teacher ratio? \_\_\_\_\_

Who are the best professors? \_\_\_\_\_

How is campus life? \_\_\_\_\_

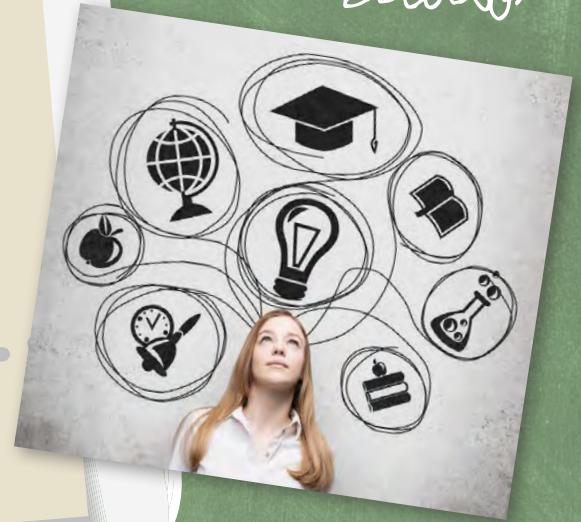


### Remember:

Choosing a college is a big decision. Make sure you're choosing the right one for you. Was there anything that you particularly liked or disliked about the college? Be sure to note it here, so you don't forget.



# SIX DEGREES of EDUCATION



## Certificate

Examples: General Contractor, Fitness Trainer, Microsoft Certified IT Professional (MCITP)

- Certificates can take a few weeks or up to two years to earn.
- They are awarded by community colleges and private career schools.
- They also can be earned by completing job training or even in a high school program.

## Associate's Degree

Examples: Registered Nurse, Web Developer, Air Traffic Controller

- Two years of full-time college coursework, or 60 credits, are needed.
- Associate's degrees are offered by community colleges.
- Associate of Arts (A.A.) or Associate of Science (A.S.) degrees are available.
- Associate's of Applied Science (A.A.S.) degrees are for technical or career programs.

## Bachelor's Degree

Examples: Financial Analyst, Industrial Designer, Information Systems Manager

- Four to five years of full-time college course of study – 120 credits.
- Most common are: Bachelor of Arts (B.A.) and Bachelor of Science (B.S.).
- Marks of excellence can be earned – cum laude (with honors), magna cum laud (with high honors), or summa cum laud (with highest honors) – generally based on grade point average.

## Master's Degree

Examples: Nurse Midwives, Political Scientist, Statistician

- One to two years of coursework beyond a Bachelor's degree – 30-60 credits.
- Can be earned part-time over several years.
- May require writing a thesis or dissertation.

## Doctoral Degree

Examples: Psychologist, Astronomer, Professor

- Two to five years of coursework beyond a Master's degree – 60-120 credits.
- Requires writing a thesis or dissertation.
- Requires passing oral and written examinations.

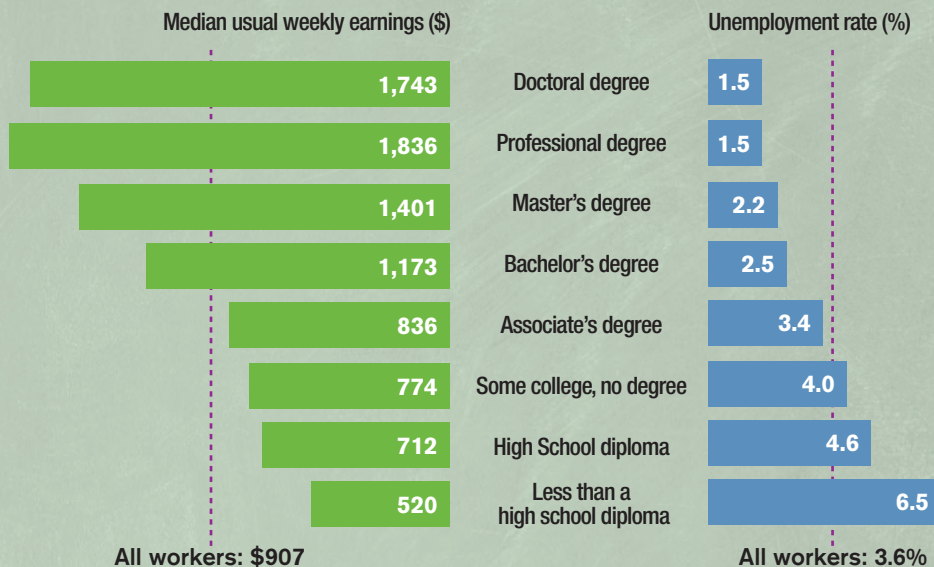
## Professional Degree

Examples: Lawyer, Physician, Pharmacist

- Two to five years of coursework beyond a Bachelor's degree – 60-120 credits.
- Requires completing academic requirements to become licensed in careers such as law, medicine or architecture.
- May require passing statewide examinations and/or serving an internship.



# Unemployment rates and earnings by educational attainment, 2017



*Note: Data are for persons age 25 and over.*

*Earnings are for full-time wage and salary workers.*

*Source: U.S. Bureau of Labor Statistics, Current Population Survey.*

<https://www.bls.gov/emp/chart-unemployment-earnings-education.htm>



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**Start strong. Transfer smart.**

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[www.aacc.edu/redirect](http://www.aacc.edu/redirect)





# COLLEGE TUITION FOR 2018-19 SCHOOL YEAR

THE FOLLOWING IS BASED ON  
FULL-TIME UNDERGRADUATE  
STUDENTS (AT LEAST 12 CREDITS)  
Maryland Resident – Fall 2018 &  
Spring 2019  
HOUSING IS BASED ON DOUBLE-  
OCCUPANCY (Mid-Range) and Room  
Charges ONLY (Not Room & Board)

## PUBLIC COLLEGES

NAME	LOCATION	WEBSITE	# OF UNDER-GRADS FOR 2017-18	TUITION & FEES	HOUSING
Bowie State University	Bowie	<a href="http://www.bowiestate.edu">www.bowiestate.edu</a>	5,390	\$8,064	\$6,970
Coppin State University	Baltimore	<a href="http://www.coppin.edu/">http://www.coppin.edu/</a>	3,232	\$7,563	\$5,700
Frostburg State University	Frostburg	<a href="http://www.frostburg.edu/">http://www.frostburg.edu/</a>	5,676	\$8,914	\$4,630
Morgan State University	Baltimore	<a href="http://www.morgan.edu/">http://www.morgan.edu/</a>	6,144	\$7,676	\$6,340
Salisbury University	Salisbury	<a href="http://www.salisbury.edu/">http://www.salisbury.edu/</a>	7,527	\$9,582	\$6,550
St. Mary's College of MD	St. Mary's City	<a href="http://www.smcm.edu/">http://www.smcm.edu/</a>	1,643	\$14,496	\$12,442
Towson University	Towson	<a href="http://www.towson.edu/">http://www.towson.edu/</a>	19,198	\$9,694	\$4,220
University of Baltimore	Baltimore	<a href="http://www.ubalt.edu/index.cfm">http://www.ubalt.edu/index.cfm</a>	3,222	\$8,824	N/A
University of MD – Baltimore County	Catonsville	<a href="http://www.umbc.edu/">http://www.umbc.edu/</a>	11,234	\$11,518	\$11,836
University of MD – College Park	College Park	<a href="http://www.umd.edu/">http://www.umd.edu/</a>	28,472	\$10,399	\$7,424
University of MD – Eastern Shore	Princess Anne	<a href="https://www.umes.edu/home/">https://www.umes.edu/home/</a>	3,278	\$8,302	\$9,623
University of MD – University College	Adelphi	<a href="http://www.umuc.edu/">http://www.umuc.edu/</a>	44,219	\$7,176	N/A

\*Note: University of MD Baltimore not listed above, as it is a campus of graduate and Professional Schools

## PRIVATE COLLEGES (Four-Year Independent Colleges & Universities)

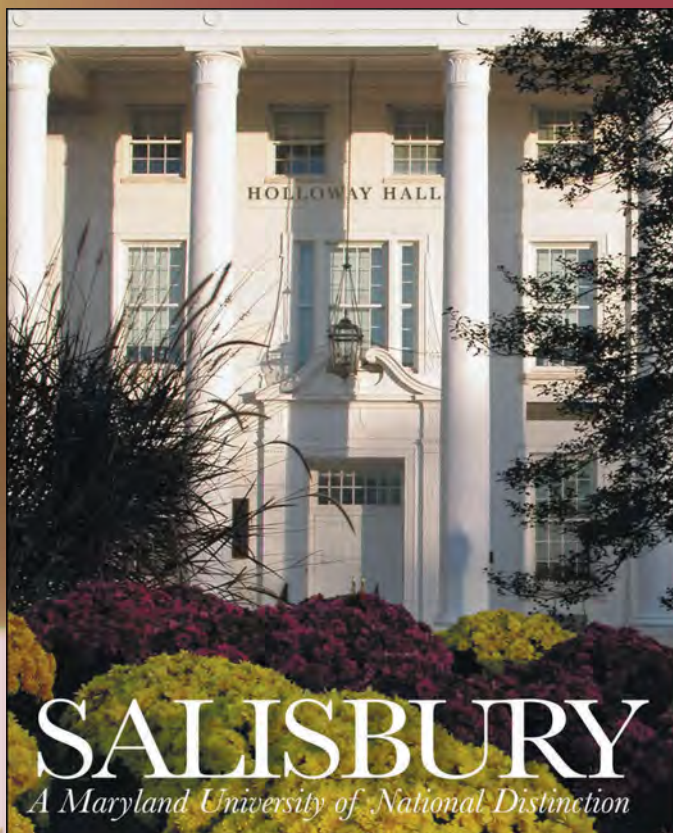
NAME	LOCATION	WEBSITE	# OF UNDER-GRADS FOR 2017-18	TUITION & FEES	HOUSING
Capitol Technology University	Laurel	<a href="https://www.captechu.edu/">https://www.captechu.edu/</a>	441	\$24,708	\$6,468
Goucher College	Towson	<a href="http://www.goucher.edu/">http://www.goucher.edu/</a>	1,480	\$43,412	\$14,506
Hood College	Frederick	<a href="http://www.hood.edu/">http://www.hood.edu/</a>	1,174	\$38,910	\$6,600
Johns Hopkins University	Baltimore	<a href="https://www.jhu.edu/">https://www.jhu.edu/</a>	6,117	\$48,645- \$53,740	\$8,652
Loyola University, Maryland	Baltimore	<a href="http://www.loyola.edu/">http://www.loyola.edu/</a>	4,104	\$47,725	\$14,150
Maryland Institute College of Art (MICA)	Baltimore	<a href="https://www.mica.edu/">https://www.mica.edu/</a>	1,679	\$46,990	\$10,270
McDaniel College	Westminster	<a href="http://www.mcdaniel.edu/">http://www.mcdaniel.edu/</a>	1,559	\$43,057	\$11,430
Mount St. Mary's University	Emmitsburg	<a href="http://www.msmary.edu/">http://www.msmary.edu/</a>	1,729	\$39,975	\$6,650
Notre Dame of Maryland University	Baltimore	<a href="http://www.ndm.edu/">http://www.ndm.edu/</a>	818	\$36,900	\$11,850
St. John's College	Annapolis	<a href="http://www.sjc.edu/">http://www.sjc.edu/</a>	434	\$51,795	\$11,888
Stevenson University	Stevenson	<a href="http://www.stevenson.edu/">http://www.stevenson.edu/</a>	3,621	\$35,490	\$8,446
Washington College	Chestertown	<a href="http://www.washcoll.edu/">http://www.washcoll.edu/</a>	1,450	\$46,978	\$6,000



NAME	LOCATION	WEBSITE	# OF UNDERGRADS FOR 2017-18	COST PER CREDIT HOUR
Allegany College of Maryland	Cumberland	<a href="http://www.allegany.edu/">http://www.allegany.edu/</a>	3,214	\$121
Anne Arundel Community College	Arnold	<a href="http://www.aacc.edu/">http://www.aacc.edu/</a>	14,940	\$112
Baltimore City Community College	Baltimore	<a href="http://www.bccc.edu/">http://www.bccc.edu/</a>	6,559	\$110
Carroll Community College	Westminster	<a href="http://www.carrollcc.edu/">http://www.carrollcc.edu/</a>	3,897	\$136
Cecil College	North East	<a href="http://www.cecil.edu/Pages/default.aspx">http://www.cecil.edu/Pages/default.aspx</a>	2,239	\$119
Chesapeake College	Wye Mills	<a href="http://www.chesapeake.edu/">http://www.chesapeake.edu/</a>	2,585	\$122
College of Southern Maryland	LaPlata, Leonardtown, Prince Frederick	<a href="http://www.csmd.edu/">http://www.csmd.edu/</a>	10,810	\$127.50
Community College of Baltimore Co.	Catonsville, Dundalk, Essex	<a href="http://www.ccbcmd.edu/">http://www.ccbcmd.edu/</a>	29,115	\$122
Frederick Community College	Frederick	<a href="http://www.frederick.edu/">http://www.frederick.edu/</a>	5,569	\$149
Garrett College	McHenry	<a href="http://www.garrettcollege.edu/">http://www.garrettcollege.edu/</a>	656	\$107
Hagerstown Community College	Hagerstown	<a href="http://www.hagerstowncc.edu/">http://www.hagerstowncc.edu/</a>	4,087	\$121
Harford Community College	Bel Air	<a href="http://www.harford.edu/">http://www.harford.edu/</a>	6,239	\$126.48
Howard Community College	Columbia	<a href="http://www.howardcc.edu/">http://www.howardcc.edu/</a>	9,969	\$129
Montgomery College	Germantown, Rockville, Silver Spring	<a href="http://www.montgomerycollege.edu/">http://www.montgomerycollege.edu/</a>	19,187	\$197
Prince George's Community College	Largo	<a href="http://www.pgcc.edu/">http://www.pgcc.edu/</a>	13,835	\$107
Wor-Wic Community College	Salisbury	<a href="http://www.worwic.edu/">http://www.worwic.edu/</a>	3,091	\$116

## YES YOU CAN AFFORD TO GO TO COLLEGE

In 2014-15, about two-thirds of full-time students paid for college with the help of financial aid in the form of grants and scholarships. **Approximately 57 percent of financial aid dollars awarded to undergraduates was in the form of grants and 34 percent took the form of federal loans.** Despite all the news stories about rising college prices, a college education is more affordable than most people believe. There are many colleges that provide an excellent educational experience at a price you can manage. (source: bigfuture.collegeboard.org)



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UNIVERSITY

# Paying FOR College

## THE BASICS

It is possible for everyone to go to college. There are many ways to pay for school and to get help paying for it. There are four main types of financial aid students can get:

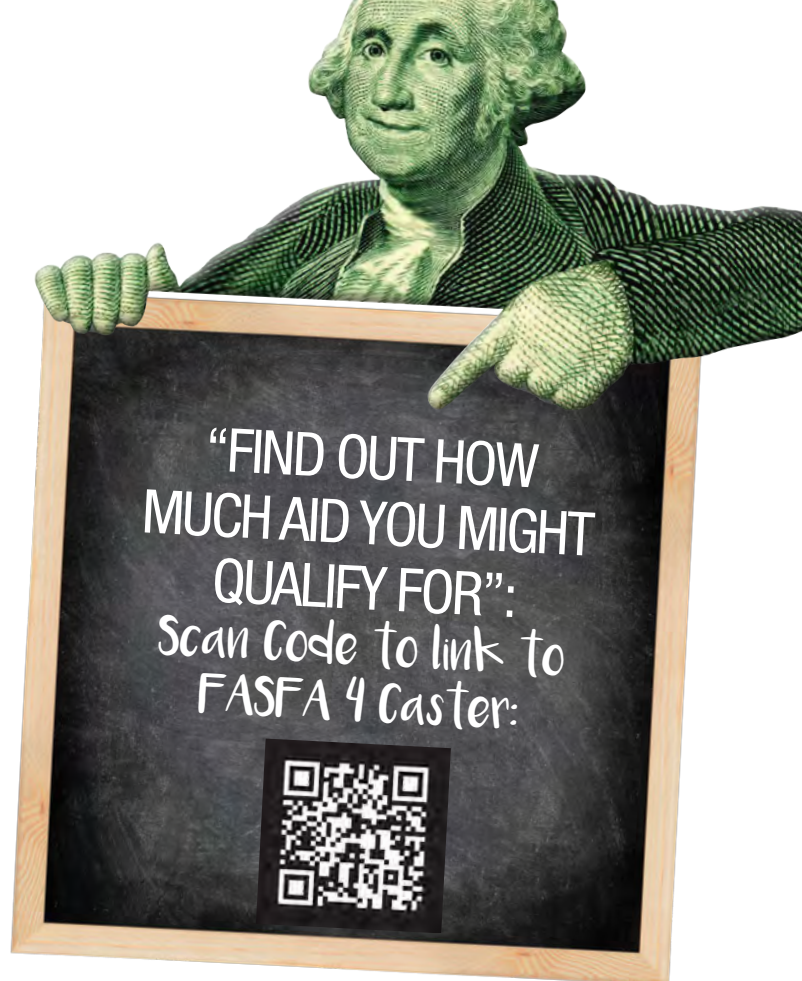
- **GRANTS** are primarily awards of money for college that do not have to be paid back.
- **SCHOLARSHIPS** generally are given to recognize a student's academic success, athletic skill or other talent. Many clubs and other groups (Girl/Boy Scouts, honor societies, etc.) offer scholarships, some of which you can win before your senior year of high school. Scholarships may come with conditions, such as maintaining a certain major or GPA. Grants and scholarships typically do not need to be repaid.
- **STUDENT LOANS** must be repaid, some with interest, after the student graduates or stops going to school. Parents also may take out loans for their children's education.
- **WORK STUDY** is a federal aid program run by colleges that allows students to work to earn money to help pay for school.

## SOURCES AND TYPES OF AID INCLUDE:

- **FEDERAL AID:** Pell Grant, Supplemental Educational Opportunity Grant, Work Study, Direct Family Educational Loan Program, Perkins Loan and TEACH Grant.
- **STATE AID:** Howard P. Rawlings Program of Educational Excellence Guaranteed Access and Educational Assistance Grants, Delegate and Senatorial Scholarships, Tuition Waivers and other resources.
- **COLLEGES AND UNIVERSITIES:** Schools offer/award a number of grants and scholarships.
- **NONPROFITS/PRIVATE ORGANIZATIONS:** Many clubs, professional organizations and community groups award scholarships and grants.
- **EMPLOYERS:** Many employers offer tuition assistance for employees and families (children and spouse).

## WHAT DO I DO NOW TO PREPARE?

- Consider your goals and what education you need to reach them.
- Go to or visit the Maryland Higher Education Commission college and career readiness website to learn more about Financial Aid and Preparing for College <http://mhec.maryland.gov/Pages/default.aspx>



“FIND OUT HOW  
MUCH AID YOU MIGHT  
QUALIFY FOR”:  
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- Enroll in as many high-level classes as possible. The more you learn in high school, the better you will do in college, and the more college options you will have. Develop good study habits.
- Earn as many college credits as possible... take AP classes or earn an IB diploma. Get Involved – volunteer for community services projects. Many scholarship programs look for community services projects and activities, especially private scholarships.

## WHAT IS FAFSA?

FAFSA stands for Free Application for Federal Student Aid. The data on your FAFSA is used to determine if you are eligible for financial aid from federal and state aid programs and financial aid programs offered by colleges and universities. It is FREE to file a FAFSA, so PLEASE do not pay for assistance with completing and filing a FAFSA. The FAFSA is an electronic application. If you cannot complete and file the FAFSA electronically, see your high school counselor for help. The Financial Aid Office at the college or university you plan to attend will help too.

## WHEN AND HOW DO I FILE THE FAFSA?

The FAFSA application is available each year on October 1. File the FAFSA as soon as it is available. Enter at least one Maryland school to be considered for Maryland state financial aid programs. The state deadline for Maryland aid is March 1. Complete and submit



all documents for financial aid before March 1 to ensure you are considered for most types of financial aid. To file online go to <http://www.fafsa.gov/>.

For the 2019-2020 FAFSA, students will use 2017 tax information.

For example, on the 2019-20 FAFSA, students (and parents, as appropriate) must report their 2017 income information.

## WHAT IS A GUARANTEED ACCESS (GA) GRANT?

The Howard P. Rawlings Maryland Guaranteed Access Grant is available to any Maryland high school senior whose annual total family income is below 130 percent of the Federal poverty level. Awards are made by the total family income and high school grade point average. The grant value for attendance at Maryland independent colleges and universities is equivalent to the cost of tuition, fees, room and board at the University of Maryland, College Park.

Grant recipients must: be legal residents of Maryland, begin college within one year of completing high school, have successfully completed a college preparatory program and achieved an unweighted grade point average of at least 2.5 on a 4.0 scale, and be accepted for admission as a full-time student (minimum of 12 credits per semester) in one of the eligible degree-granting institutions in the State of Maryland.

To be considered for a Guaranteed Access Grant, students must file the Free Application for Federal Student Aid (FAFSA) by March 1.

## TEN TIPS FOR PAYING FOR COLLEGE

1. **SAVE FOR COLLEGE** – start early.
2. **SEARCH AND APPLY FOR SCHOLARSHIPS AND GRANTS** – work with your high school counselor and search the Internet.
3. **KNOW AND MEET FINANCIAL AID DEADLINES** – grants, loans, scholarships, etc.
4. **EARN COLLEGE CREDIT WHILE IN HIGH SCHOOL** – take AP classes and/or dually enroll (take high school and college classes at the same time).
5. **REDUCE YOUR COSTS** – start at a community college.
6. **EARN YOUR DEGREE FASTER** – take summer classes.
7. **SAVE MONEY** – take 15 credit hours each semester.
8. **GET A PART-TIME JOB, ON OR OFF CAMPUS** – learn about work-study.
9. **FILL OUT THE FAFSA.**
10. **MAINTAIN A GPA THAT KEEPS YOU ELIGIBLE FOR FINANCIAL AID.** Don't lose your scholarships, grants and loans.

## HOW MUCH DOES COLLEGE COST?

College is more than just tuition and fees – so start saving now. Other things you may need to pay for include:

- Food and housing

- Health insurance
- Lab fees for certain courses
- Transportation expenses to go home on weekends or holidays or to commute to campus
- Books and other supplies like notebooks, folders, computers, calculators, etc.
- Other personal expenses such as laundry, groceries, entertainment, etc.

## GOOD WEBSITES TO CHECK OUT:

<http://mhec.maryland.gov/Pages/default.aspx>

[www.fafsa.ed.gov](http://www.fafsa.ed.gov)

[www.fastweb.com](http://www.fastweb.com)

[www.finaid.org](http://www.finaid.org)

[www.studentaid.ed.gov](http://www.studentaid.ed.gov)

<https://collegescorecard.ed.gov/>

[www.collegeboard.com](http://www.collegeboard.com)

[www.collegeanswer.com](http://www.collegeanswer.com)

[www.petersons.com](http://www.petersons.com)

[www.easfaa.org](http://www.easfaa.org)

[www.supercollege.com](http://www.supercollege.com)

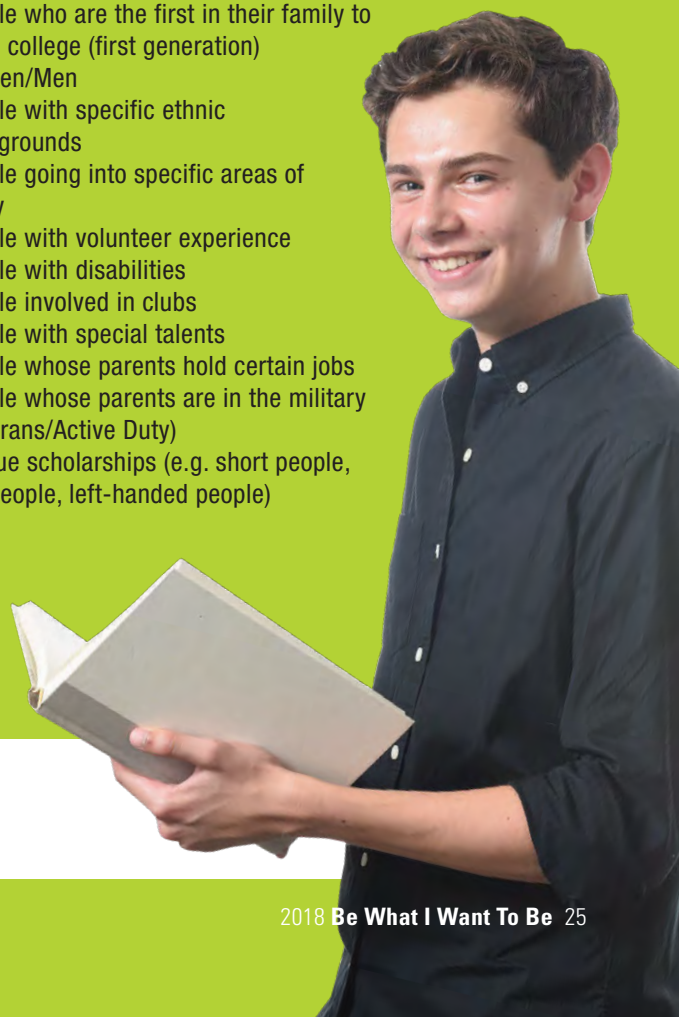
<http://www.act.org/>

## MORE ON SCHOLARSHIPS

There are billions of dollars available in grants and scholarships. The state of Maryland awards over \$100 million of state financial aid each year alone. Other scholarships are offered by individuals, corporations and foundations and can be searched for on the Internet or researched in your school's counseling office or college center.

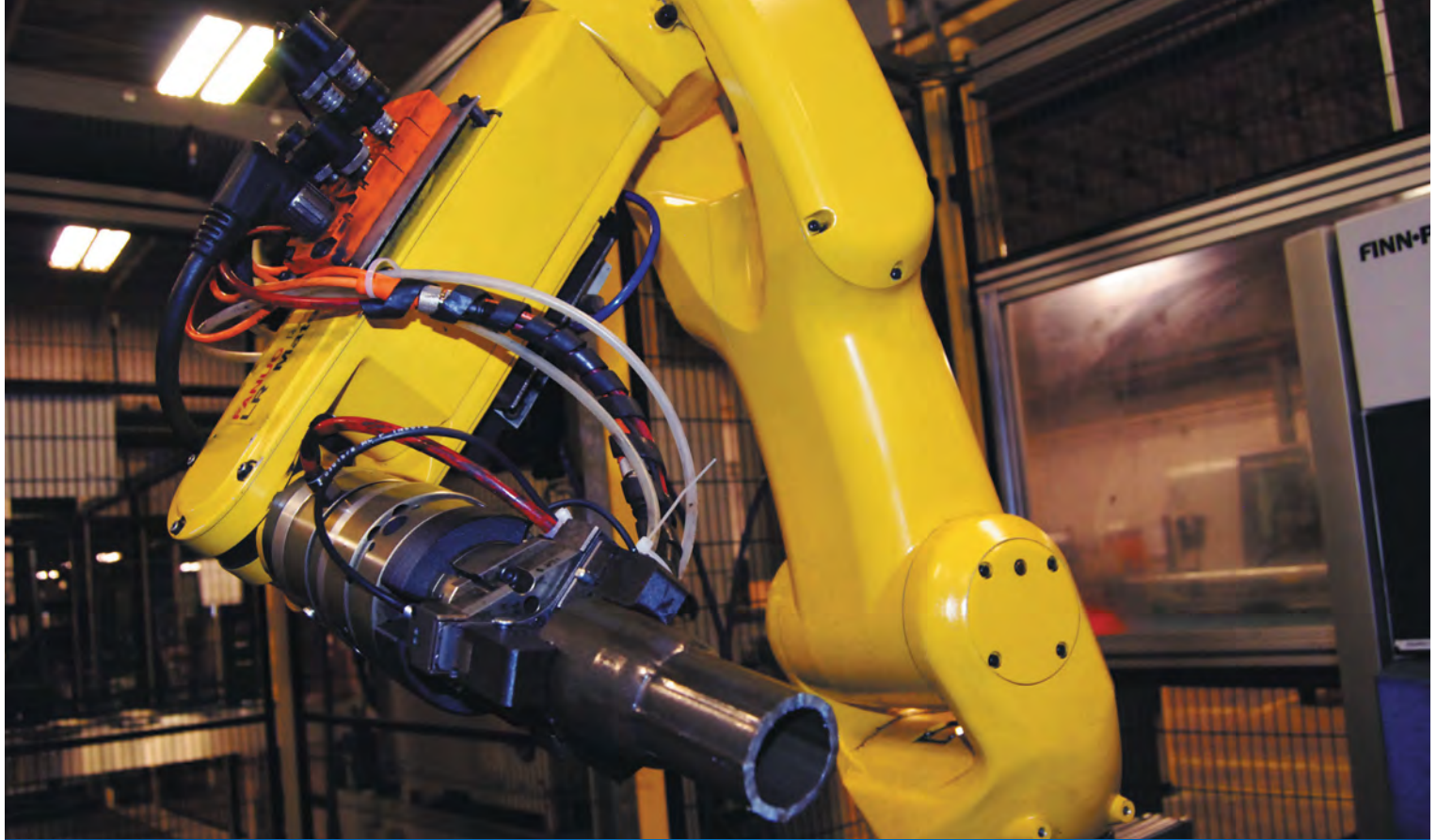
Many scholarships require you to write an essay and/or submit letters of recommendation. There are scholarships out there for everyone, including specific awards for:

- People who are the first in their family to go to college (first generation)
- Women/Men
- People with specific ethnic backgrounds
- People going into specific areas of study
- People with volunteer experience
- People with disabilities
- People involved in clubs
- People with special talents
- People whose parents hold certain jobs
- People whose parents are in the military (Veterans/Active Duty)
- Unique scholarships (e.g. short people, tall people, left-handed people)



Check out pgs. 22 and 23 to learn what it costs to go to school in Maryland!

# Make the right connection for your future.



On the job training and internship opportunities  
choose a career in engineering, manufacturing,  
automation, and more!

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*The Right Connection®*



# SETTING GREAT GOALS

A GOAL IS WHAT YOU AIM OR STRIVE TO ACCOMPLISH.

## WHY SET GOALS?

Setting goals for yourself lets you get more out of life by deciding who you want to be and what you want to do. It is not just a process to identify your dreams, but it helps you achieve them.

How do you set a goal?  
**MAKE IT SMART!**

Within the next 3 – 5 days...

- Share your goals with a teacher, school counselor and/or parent/guardian so they can help support you.

Within the next 2 weeks...

- Review your goals to see if you are on target.
- Make adjustments to your goals if needed.

"I always just focus on what my own goals are, and not what anybody else's goals for me are or their expectations. I just know that my family will always be supporting me and my friends and my coaches. And as long as I put in the hard work and know that I'm giving it my best effort, I will always be happy."

—Katie Ledecky

GOALS:

Be **S**PECIFIC: what is it that you would like to accomplish?

How will you **M**EASURE your success?

Is it **A**CHIEVABLE? What actions will you take?

Set **R**EALISTIC results that you hope to see.

And how much **T**IME will you give yourself to reach the goal?

WHEN YOU COMPLETE  
YOUR GOAL –  
**CELEBRATE!**

## IN GENERAL...

- Be sure the information you give is relevant, true and complete.
- Make sure your resume is easy to read (large enough text) and attractive (consistent formatting and good organization).
- Check your spelling and grammar.

Jane Eyre

444 Main Street  
Ellicott City, MD 21042  
410-555-6789  
jane.eyre@gmail.com

Is your email address something like troublemaker@gmail.com? Doesn't sound too professional, does it? Make a new one for job searching using just your name or initials.

### EDUCATION

Central High School  
Perfect attendance during first semester  
Maryland Scholar

GPA: 2.8/4.0

If your school gives your grades as a percentage, write "Avg: 87.3%." If your grades aren't so hot, leave them out for now and work on improving them.

### EMPLOYMENT

Ellicott City Community Pool, Lifeguard  
16 hours of work every weekend  
**Trained in CPR and first aid**  
Maintained pool cleanliness and safety

Summer 2018

How long have you been involved or were you involved? Employers like to see commitment.

### ACTIVITIES

List can include awards, honors or other special classes or CTE programs. Tip: List your sculpture class if you're applying for an internship at a museum.

J.V. Soccer, Team Captain  
Eight hours of practice and two games every week  
Led team to 14-2 record  
Highest goal percentage on team  
Won Spirit Award at end-of-year banquet

2016-2018

Helping Hand Nursing Center, Volunteer  
Four hours of volunteer work twice a month  
Talked to residents, designed activities and assisted nurses  
Recruited two more volunteers

2014-2016

Include things you do at school and in your community, as well as volunteer activities. Write about your role in the activity, what you do/did, what skills you've gained as a result and any achievements and honors.

### SKILLS

Key traits and skills that will impress would-be employers: responsibility, organization, dedication, hard work, multi-tasking, leadership, creativity and time management. Think about how you've learned or been able to use these skills or traits and describe the experience.

- Bilingual: Spanish and English
- Basic computer skills, including word processing (Microsoft Word) and powerpoint; excellent knowledge of Internet search engines
- Responsibility learned through taking care of two siblings most evenings
- Organizational skills learned through balancing school, sports and family obligations
- Dedication and hard work proven through athletic success

### INTERESTS

Reading, photography, spending time with family

This is a good place to list things you do or like, especially if they are related to the kind of job you want. For instance, if you want to be a lifeguard, mention that you love swimming and exercising.

## TIPS TO GET YOU THAT ALL-IMPORTANT INTERVIEW

Most high school students don't have much work experience. Employers expect that. Still, they want to know what makes you stand out. Nothing reflects your skills and achievements better than your transcript or a great resume.

# RESUMES THAT







# Empowering the next generation of innovators.

**At Leidos, we believe in dreaming big, aiming high and turning ideas into action.**

We're proud to partner with the Maryland Business Roundtable for Education and to support its mission to help students prepare for a world of opportunity through science, technology, engineering, and math.

# MARYLAND'S

## AEROSPACE & DEFENSE



Maryland's 9,020 aerospace and defense businesses annually generate \$33.28 billion in economic activity and secure \$8.97 billion in federal contracts.



## ENERGY & SUSTAINABILITY

Maryland's research-driven and innovative spirit, combined with strong goals, a multi-modal location and key investments in the energy sector, make it a prime location for companies offering energy and sustainability products, services or initiatives.

## BIOHEALTH & LIFE SCIENCES



As the first to map the human genome and first to develop a rapid test for Ebola, Maryland leads the world in adult stem cell production and vaccine development, and represents one of the largest life sciences clusters in the U.S. with 500+ biotech companies, 2,360 life sciences firms, the NIH, the FDA, Johns Hopkins University, the University of Maryland and plenty of funding and guidance resources.



## IT & CYBERSECURITY

A hotbed of software services, electronics, telecommunications firms and a critical mass of cybersecurity organizations converge in Maryland. The U.S. Cyber Command, NIST's National Cybersecurity Center of Excellence, Lockheed Martin's NexGen Cyber & Innovation Center, 11,600 information technology businesses, 16 NSA certified CAE's and a workforce of nearly 115,550 industry-related workers are all in arm's reach of each other.



# HIGH-DEMAND JOBS



## ADVANCED MANUFACTURING

Sixty percent of Maryland's manufacturers are advanced – producing high-mix, low volume, high technology products. Using advanced materials, processes and machinery, companies develop heavily engineered, customized products such as sensors, unmanned and autonomous systems, medical devices, electronics and capital equipment.

## MILITARY & FEDERAL INNOVATION



Maryland is a vanguard that helps keep the United States and the global community safe and thriving. Our workforce has expertise in combating bioterrorism, developing innovative weapons and defense gear, aiding the nation's healthcare system, safeguarding food and medicine, advancing aerospace and tracking the ever-changing patterns of climate change, among many others.



## AGRIBUSINESS

The combination of Agricultural, Food Production and Climate and Topography are all thriving businesses in Maryland. More than 12,250 farms dot the state of Maryland—and make their mark on the state's economy as well.

### BY THE NUMBERS

**AEROSPACE & DEFENSE:**  
**134,860**  
PUBLIC / PRIVATE SECTOR JOBS

**IT & CYBERSECURITY:**  
**117,360**

**AGRIBUSINESS:**  
**44,796**

**BIO HEALTH & LIFE SCIENCES:**  
**42,040**

**ADVANCED  
MANUFACTURING:**  
**103,330**

**MILITARY & FEDERAL  
INNOVATION:**  
**410,219** (2016 FIGURE)

**ENERGY &  
SUSTAINABILITY:**  
**38,610**

**TOTAL EMPLOYMENT**  
**2,626,510**



## THERE ARE MANY CAREERS RANGING IN:

- Operations
- Customer/Technical Support Specialist
- Data or Database Specialist
- Information Systems Security Engineer
- Network Specialist System Administrator
- Analyzation
- Cyber Threat Analyst
- Cyber Counter Intelligence Analyst
- Cryptanalysis and Signals Analyst
- Protection
- Security Analyst
- Ethical Hacker
- Incident Responder
- Penetration Tester
- Intelligence Analyst
- Security Analyst
- Chief Information Security Officer
- Development
- Chief Information Officer
- Cyber Security Trainer
- Lawyer or Legal Advisor
- Policy Analyst

# CYBER SECURITY

There are so many careers and paths to take within the cybersecurity world! Defending our nation against cyber criminals, securing money for films and entertainment, preserving the privacy of others and protecting the country's electrical grid that controls our devices are just a few ways that you could help in the future through the means of cybersecurity.

Any device connected to the internet makes it vulnerable to cyber-attacks. There are roughly 50 billion devices currently connected and the numbers continue to grow. Because of this, there will be over 6 million jobs opening by 2019!

## STEPS TO START EARLY!

- Taking math classes are essential. See which upper level math courses and computer science classes your school offers. Always prioritize the fundamentals.
- Communication is key, so staying involved in your English courses is highly beneficial. Learn about the basics of coding.
- Check if your school offers coding classes; if not, there are free online coding classes you can take to help get you started. **Massive Open Online Course (MOOCs)** provide video lectures are pre-recorded classes and provide online facilitators through virtual forums, live chats and/or virtual office hours. Cybersecurity MOOCs generally take 6-10 weeks. Overall, you can expect to devote 3-6 hours per week to each course. Many cybersecurity MOOCs incorporate programming labs and regular quizzes to test comprehension.  
<https://www.mooc-list.com/tags/cybersecurity>
- After you've gained basic knowledge of coding, start building your own website to gain more experience in programming.
- Join a team! Look for opportunities to join others in robotics, computer science and cybersecurity competitions. Colleges and employers look to see who has had interactive learning experiences.
- Find jobs or camps that will help build your college resume. The Institute of Electrical and Electronics Engineers (IEEE) Computer Society or an online search can help you find camps and internships near you.
- The National Security Agency (NSA) runs the GenCyber Camp program, which is based at colleges nationwide. The NSA's game *Day of Cyber* mimics a day in the life of a cybersecurity professional in just 2-3 hours.
- Demonstrate integrity and good judgment, not just good skills, in everything you do. Cybersecurity professionals operate in sensitive areas of government and private industry that require security clearances. So be sure to be an upstanding citizen in your community, as well as in school.



**BUILD A  
CAREER  
THAT  
MATTERS**



**HIGH-TECH.  
HANDS ON.  
IN HIGH DEMAND.**

Learn more about our technician careers  
[caterpillar.com/dealertech](https://caterpillar.com/dealertech)



**ALBAN** **CAT**

Maryland, DC, Northern Virginia, and Delaware  
[albanhiring.com](https://albanhiring.com)

Think about key skills needed in today's workplace: problem solving, analytical thinking and the ability to work independently. What do they all have in common? They're all skills of a STEM proficient student.

# The **WORKFORCE** of the **FUTURE**



**FACT**

Non-STEM occupations  
annual mean wage:  
**\$47,890**

## “SOFT SKILLS”

Beyond being a traditionally good student, some of the top 21st Century skills that university professors and employers agree are most needed by young adults are often called “soft skills.” These skills include:

- **Collaboration and teamwork:** Group projects and extracurricular leadership opportunities are great ways to build these skills in working together, through technology and in person.
- **Creativity and imagination:** As the Internet of things is incorporated throughout our lives, opportunities in the ‘creative economy’ expand, demanding successful design thinking.
- **Critical thinking:** Artificial intelligence has allowed computers and robots to take over many basic tasks and functions. Your ability to think critically, to investigate and connect ideas, will help define the importance of your role in the workforce of the future.
- **Problem solving:** To solve the problems of the future, you’ll need to get practice asking the right, challenging questions. This will open possibilities to new directions.

## “CROSS-CUTTING SKILLS”

There are several more cross-cutting skills that will serve you well, in whatever field you pursue.

- **Flexibility and adaptability:** Most fields and industries these days are experiencing one ‘disruption’ or another. Keeping up with changing demands requires resilience and persistence. Having a ‘growth mindset’ – knowing your hard work will help you get better – has been shown to be key to long-term success.
- **Global and cultural awareness:** The Internet has allowed us to connect instantly to friends and colleagues around the world. Working to understand and respect other cultures is vital to personal and professional success.
- **Information literacy:** These days, information is abundant and often easy to access. Knowing how to use it requires practice finding and synthesizing relevant information.
- **Leadership:** Coming up with great ideas is important, but helping people understand and get excited about them will determine whether they catch on. Having integrity and ‘showing the way’ will determine whether they stand the test of time.

## 21ST CENTURY SKILLS IN SCHOOL

As you begin thinking about possible career options, you’ll find that 21st century skills will help you be successful in just about any career.

You can gain these skills through academic courses, work experience and even your hobbies.

Here are some of the courses you can take that will give you a good foundation for 21st century skills:

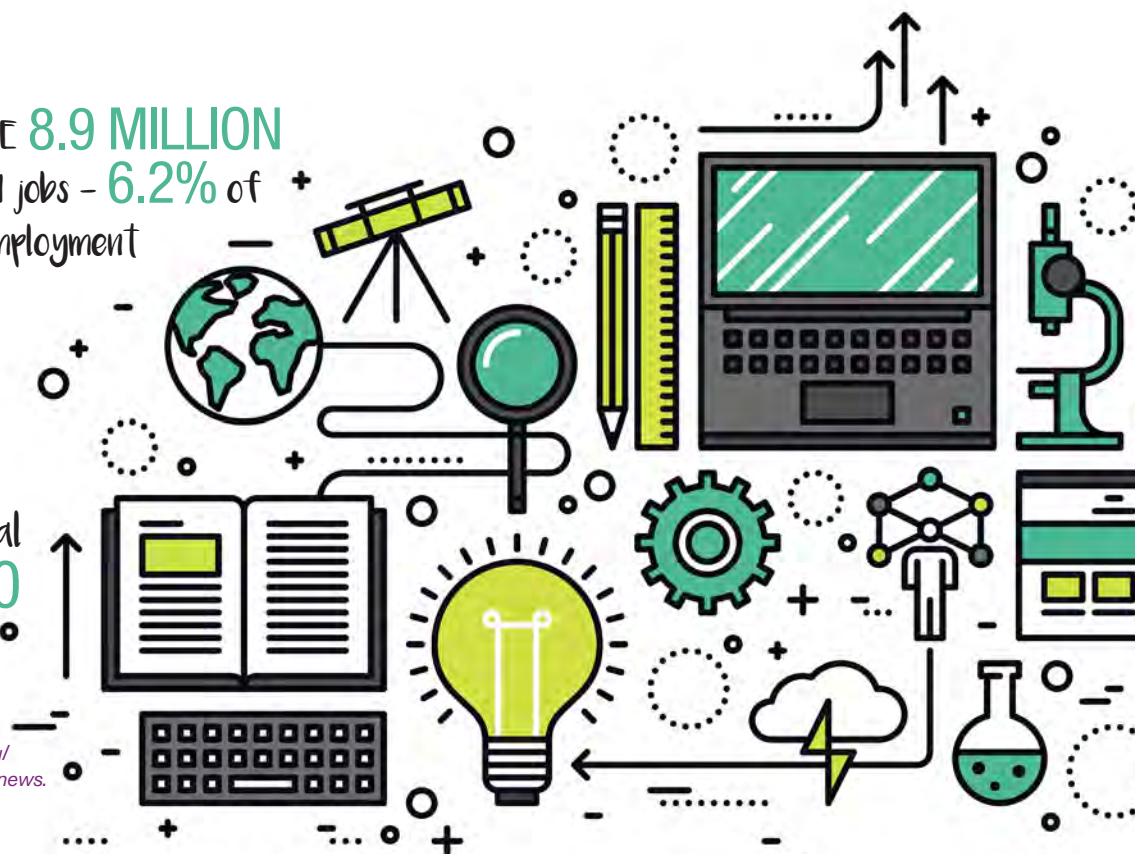
- |              |                       |                         |
|--------------|-----------------------|-------------------------|
| • Algebra    | • Physics             | • Calculus              |
| • Statistics | • Pre-Engineering     | • Economics             |
| • Biology    | • Chemistry           | • Environmental Science |
| • Geography  | • Computer Technology | • Political Science     |
| • Geometry   |                       |                         |



**FACT** THERE ARE **8.9 MILLION**  
U.S. STEM jobs – **6.2%** of  
total U.S. employment

**FACT** STEM Occupations annual  
mean wage: **\$91,310**

Source: <https://www.careerwise.mnscu.edu/careers/stemskills.html>, <http://www.bls.gov/news.release/pdf/ocwage.pdf>



## STEM ON THE JOB

- Most employers want workers who are able to reason and solve problems using some math, science, or technology knowledge. Key STEM skills include:
- Analytical skills to research a topic, develop a project plan and timeline and draw conclusions from research results.
- Science skills to break down a complex scientific system into smaller parts, recognize cause and effect relationships, and defend opinions using facts.
- Mathematic skills for calculations and measurements.
- Attention to detail to follow a standard blueprint, record data accurately, or write instructions.
- Technical skills to troubleshoot the source of a problem, repair a machine or debug an operating system and computer capabilities to stay current on appropriate software and equipment.

Think STEM is just for geeks? Not true! Many workers in STEM fields use “soft” skills at work as much as they use math and science. 21st century skills in STEM include:

- Communication and cooperation skills to listen to customer needs or interact with project partners.
- Creative abilities to solve problems and develop new ideas.
- Leadership skills to lead projects or help customers.
- Organization skills to keep track of lots of different information.



# PROFILES

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Anamika R.



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Lauryn W.



Andrew B.



Claudia M.



Justin M.



Hannah P.



Matt M.



Khalil P.



Sarah K.



Jordan S.



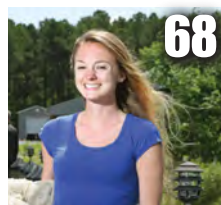
Haley E.



Shannon M.



Darius J.



Elise T.



Mamadou K.



Mary Beth N.



William D.



Nicole D.





# Anamika R.



## LEGAL AFFAIRS REPORTER

The Daily Record

I work in **BALTIMORE** City

High School: **FRAMINGHAM  
HIGH SCHOOL** in Massachusetts

College: **BACHELOR OF ARTS  
IN JOURNALISM** from  
the University of Maryland,  
College Park

### What activities did you do in high school?

I was a reporter and producer for my school's daily live news show and wrote for the school newspaper.

### How did you get interested in them?

I wanted to be a reporter for as long as I can remember. In elementary school, the best days were when we'd get the weekly edition of "TIME for Kids" and I grew up reading the Boston Globe.

### What do you do at work all day?

(In addition to writing) I read the news. That includes both local and national outlets. Even if it's not something I cover, it's my job to be informed. It's also a good way to come up with a story I might work on that day or later in the week.

“ I USED TO MAKE MY OWN WEEKLY NEWSPAPER ON MICROSOFT PUBLISHER WHERE I'D WRITE LITTLE ARTICLES ABOUT STUFF I DID THAT WEEK. I WOULD PRINT IT OUT AND HAND OUT COPIES TO MY PARENTS. ”

Booz | Allen | Hamilton



# Hebah Z.

## What were your favorite subjects in school and what did you enjoy most about them?

I liked mathematics and science. I love numbers and formulas; they are easy to remember, and they can be applied to many problems. I personally enjoy applying the formulas and solving problems.

## What activities did you do in high school?

I participated in many sports, but I really enjoyed softball because I was good at it.

## How did they prepare you for college?

Participating in sports taught me many values, primarily teamwork, responsibility, integrity and determination. Plus, it gave me the opportunity to enhance my communication skills.

## What summer jobs did you have and what skills did you gain from them?

### NETWORK ENGINEER

Booz Allen Hamilton

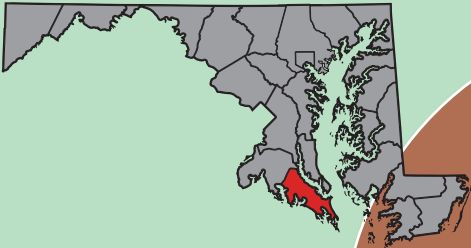
I work in **ST. MARY'S** County

High school: **CENTRAL REGIONAL HIGH SCHOOL**, New Jersey

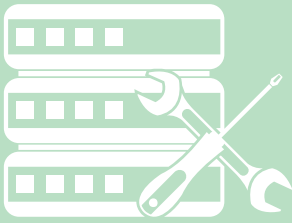
College: **ASSOCIATE'S DEGREE** from Ocean County College

**BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING**

from New Jersey Institute of Technology







I worked as a receptionist at a nursing home for almost seven years, starting when I was 15. It

wasn't just a summer job because I was working during the school year as well. It taught me patience, how to multi-task, how to be responsible for other people and caring for the elderly.

### What internships or work experiences did you have?

I had two internships during college with Verizon Wireless and Brown Brothers Harriman, a financial services company.

### What skills did you gain from them that you are able to use in your current career?

I developed my sense of professionalism during my internships and how to adapt to different work environments.

### What do you do at work all day?

I specialize in networking and telecommunications. As a network engineer, I design, maintain and troubleshoot communication networks on data centers that are either located in ground facilities or air system vehicles (ex: the unmanned carrier aviation). The maintenance of network communications allows for the secure transfer of data between systems.

### What inspires you to do your job?

I am inspired by knowing that I am:

- Working on new technologies that help shape the future of our Department of Defense service.
- Supporting projects that will be implemented in the field; and
- Working on different projects simultaneously.

### WHAT SCHOOL SUBJECTS DO YOU USE AT WORK?

Physics, wireless communication systems, circuit and systems and digital design.

### What role did mentors play in choosing your career?

My mentors helped me highlight my strengths and what career path would be the best fit for me.

### How did you get your job?

A friend of mine talked to me about how Booz Allen Hamilton is a good company and I applied online indicating that I was open to move anywhere.

### What skills do you use at work?

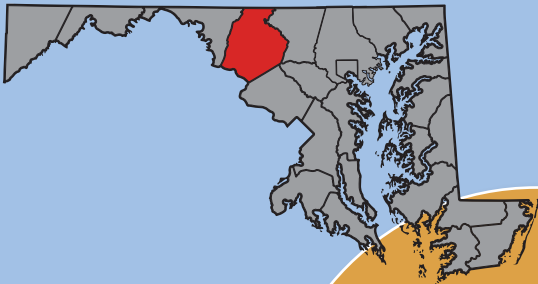
I need problem solving, critical thinking, interpersonal networking, working under pressure and adaptability to different work environments.



“ FOCUS ON THE STUDY OF MATH AND PHYSICS AND TRY TO REACH THE HIGHEST LEVEL POSSIBLE BEFORE GRADUATING FROM HIGH SCHOOL. THIS WILL BETTER PREPARE YOU FOR A DEGREE AND A CAREER IN NETWORK ENGINEERING. ”



**Matt  
D.**



**SHOP TECH INTERN**  
Alban CAT

I work in **FREDERICK** County

High School: **MIDDLETOWN  
HIGH SCHOOL**, Frederick, MD

College: Frederick Community  
College



**What was your favorite subject in school and what did you enjoy most about it?**

I liked mathematics. I enjoyed solving problems and using numbers and calculations.

**What activities did you participate in high school?**

I participated in basketball and weight lifting.

**How did you get interested in them?**

I enjoyed playing with friends and teammates and being active.

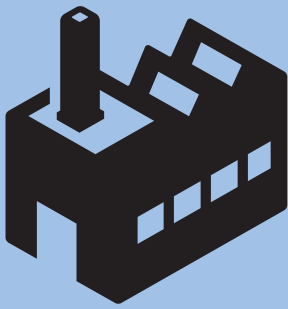
**What did you want to be when you grew up?**

I wanted to be a CEO of a business.

**What summer jobs did you have and what skills did you gain from them?**

I was an intern for one year at Alban CAT and I learned time management skills and how to live by myself.





## What skills did you gain from it that you are able to use in your current career?

I was able to use my automotive background

to help make learning diesel technology a lot easier.

## What do you do at work all day?

I am a new machine prep diesel technician at Alban CAT. My job is to check over, inspect, test run and clean brand new machines for customers.



## What inspires you to do your job?

- I like working with my hands.
- I like working on engines and equipment.
- I like the money.

## What is your approximate annual salary range?

A technician at Alban CAT makes between \$30,000 to \$36,000 a year.

## What perks or other tangible benefits do you get?

I get a \$500 tool reimbursement and matching retirement savings.

## How did you get your job?

A teacher in high school helped me get my job at Alban CAT.

## What school subjects do you use at work?

I use mathematics in my current job to measure hoses used in the machines I work on.

### What role did mentors play in choosing your career?

They motivated me to continue pursuing a career field that I love. They especially were helping me find a career field that involved using my hands.

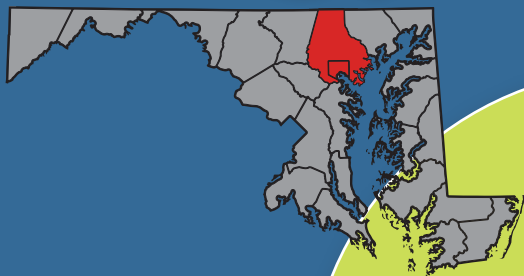
## What can students do NOW to begin preparing for your career field?

They can learn about hydraulics, take an automotive class and enjoy working with your hands.

“ I WAS ABLE TO TRY OUT A FEW CLASSES THAT ALLOWED ME TO FIND OUT WHAT MY MAJOR MIGHT BE. SCHOOL ALSO TAUGHT ME HOW TO MANAGE MY TIME. ”



# Leslie B.



**DIRECTOR  
OF SURGICAL  
SPECIALTIES**  
Kaiser Permanente

I work in **BALTIMORE** County

High School: **BALTIMORE CITY COLLEGE**  
Baltimore, MD

College: **ASSOCIATE'S DEGREE IN NURSING**  
from Howard County Community College

**BACHELOR'S and MASTER'S DEGREE  
IN NURSING** from the College of Notre  
Dame of Maryland



## What were your favorite subjects in school and what did you enjoy most about them?

I especially enjoyed English because I learned creative writing skills and I also enjoyed learning about living creatures in Science.

## What summer jobs did you have and what skills did you gain from them?

I volunteered at the hospital and learned that I really enjoyed taking care of others.

## What activity/activities did you do in high school and how did you get interested in them?

In high school, I was in the modeling club, drama club and on the cheerleader squad. I have always been interested in things related to the arts and I already had a dance back ground.





### What skills did you learn from internships and work experiences that you are able to use in your current career?

I learned more about taking care of people, organization skills and technical skills related to nursing,

like taking vital signs.

### What do you do at work all day?

- I partner with service chiefs and other leaders to develop service delivery plans for this area.
- I help execute medical center vision and strategy to ensure an effective health care delivery.
- I'm responsible for performance in providing outstanding quality care, service and access for our patients.
- I'm responsible for managing projects within the medical center to internalize care, improve service and increase efficiency.
- I'm responsible for Clinical Operations Managers performance and evaluations.

### What inspires you to do your job?

I am passionate about health care and enjoy being a change agent and developing and enabling staff.

### What role did mentors play in choosing your career?

My grandmother was a nurse, and I had mentors while working as a nursing technician that pushed me to go into nursing.

### How did you get your job?

By working hard and making a name for myself in my previous job as a nursing manager.

### What skills do you use at work?

I use critical thinking skills, people skills, negotiating skills, service recovery skills, creativity and collaboration. It is very important to be able to "think outside the box."

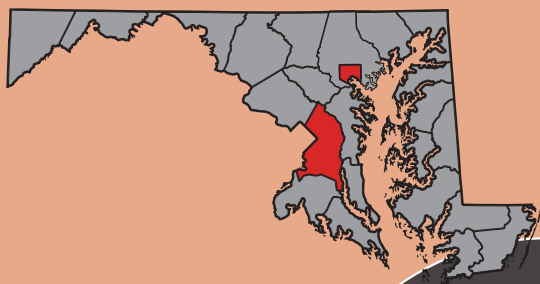


STUDENTS  
INTERESTED IN THE  
MEDICAL FIELD  
SHOULD FOCUS ON  
MATH AND SCIENCE  
CLASSES. THERE ARE  
A MULTITUDE OF  
CAREER POSSIBILITIES  
WITHIN THIS FIELD  
SO THEY SHOULD START TO  
RESEARCH POTENTIAL  
CAREERS.





# Lauryn W.



## STUDENT INTERN

Kennedy Krieger

I live in **PRINCE GEORGE'S**  
County

High School: **KENNEDY KRIEGER**  
**HIGH SCHOOL,**  
Baltimore, MD



## What are your favorite subjects in school?

I like English, science and military science.

## What activities do you participate in, in high school?

I enjoy reading in English and learning about different things in science. I also am in Young Marines and I am a member of the color guard.

## What summer jobs did you have and what skills did you gain from them?

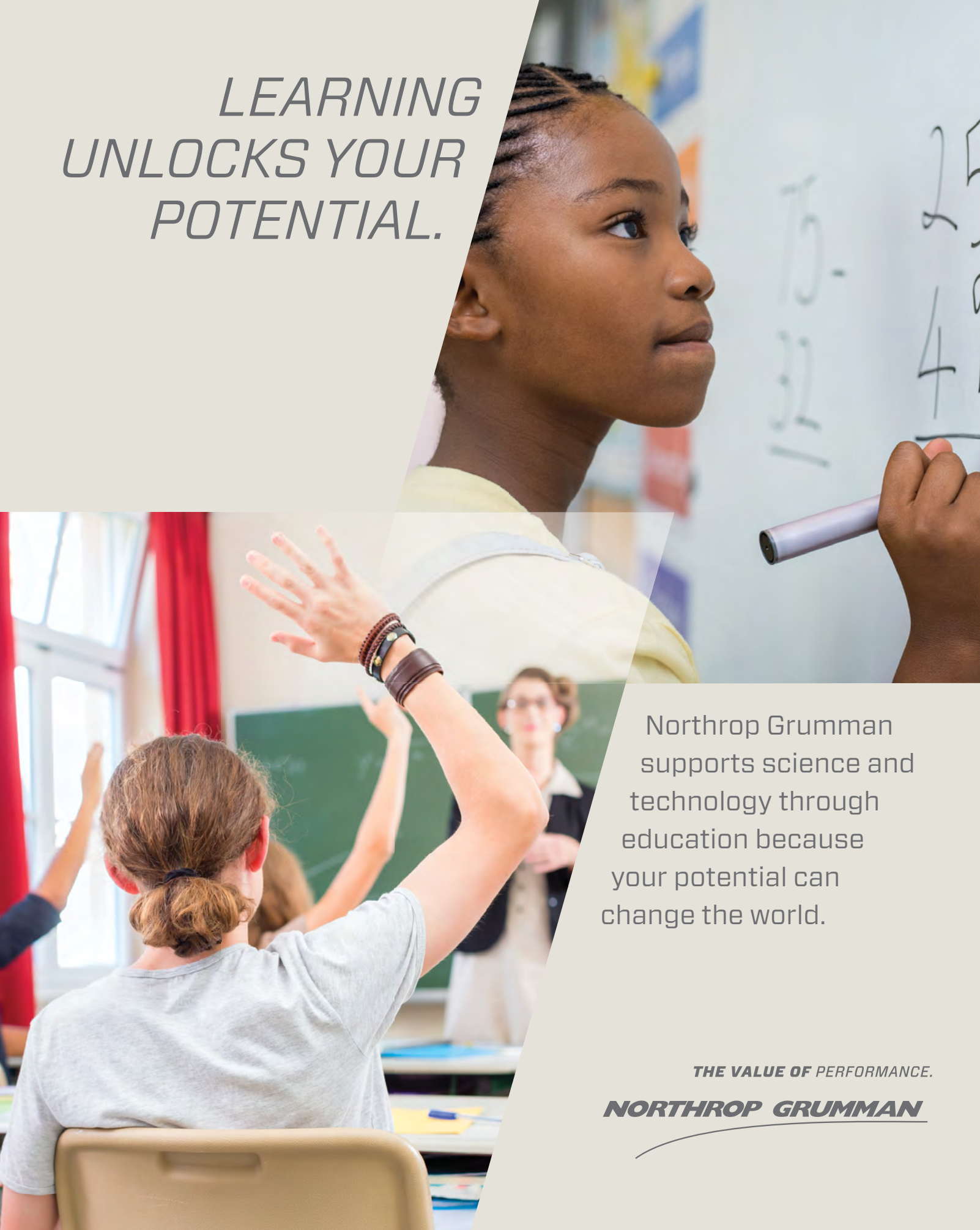
I worked with my grandma at the House of Representatives in the printing office. I helped print papers, answered phones and filed papers.

“

I WANT TO BE A  
VETERINARIAN. I  
AM INTERESTED TO  
LEARN ABOUT DIFFERENT  
ANIMALS AND HOW TO  
TREAT THEM WITH  
MEDICINE.”



*LEARNING  
UNLOCKS YOUR  
POTENTIAL.*



Northrop Grumman  
supports science and  
technology through  
education because  
your potential can  
change the world.

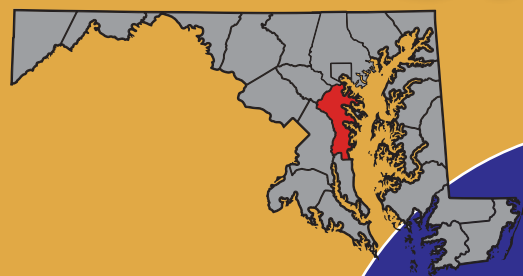
**THE VALUE OF PERFORMANCE.**

***NORTHROP GRUMMAN***



Photos by Bobby West, Northrop Grumman Corporation

# Andrew B.

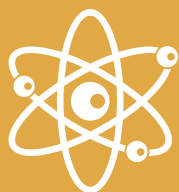


**FLIGHT TEST  
ENGINEER**  
Northrop Grumman

I work in **ANNE ARUNDEL** County  
High School: **GEORGE WASHINGTON  
CARVER CENTER FOR ARTS &  
TECHNOLOGY**, Towson, MD

College: **BACHELOR'S IN MANAGEMENT  
SCIENCE** from Massachusetts Institute of  
Technology

Graduate: **MASTER'S IN  
COMPUTER SCIENCE** from  
Johns Hopkins University



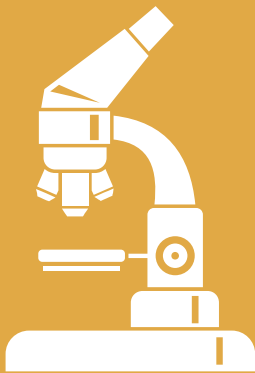
## What were your favorite subjects in school and what did you enjoy most about them?

My favorite subjects were science and physics. They were the first classes that were more hands-on learning rather than reading a textbook. You could hold, touch, and mess around with materials to create something new. That's how I learn best.

## How did you get interested in them?

My high school physics teacher, Mr. Brauer, and technology education (tech-ed) teacher, Mr. Clements, started an afterschool program that really sparked for my interest in science. They took me on a tour of Northrop Grumman in 2006, and that's exactly the same building where I'm working now.





## How did they prepare you for college?

The teachers taught us basic programming principles and robotics, and also created cool experiments for us

to learn from. We built and raced big kinetic sculptures made out of bicycles and also had weather balloon launches from 60,000 – 80,000 feet in the air, as high as Northrop Grumman's RQ-4 Global Hawk UAV flies. I learned how to work with teammates and create a successful, collaborative project, which is essential in what I'm doing now.

## What do you do at work all day?

If our aircraft meets the requirements to test somebody's device (which is usually still in development), I install that pod or widget onto the airplane and check it out on the ground to ensure it's ready and safe to fly. Most of the time, the equipment has never gone on an airplane before. Every airplane has an assigned engineer and I fly along to make sure nothing goes wrong. I also take electrical and temperature readings in-flight to make sure everything is safe throughout the duration of the test.

## What inspires you to do your job?

- I like flying.
- I like traveling to new places.
- I like fixing things instead of replacing them.

## What can students do NOW to begin preparing for your career field?

Don't be afraid to take STEM courses (Science, Technology, Engineering and Math) and ask for help when needed. Take every opportunity to meet people already in the career field and make connections early on.



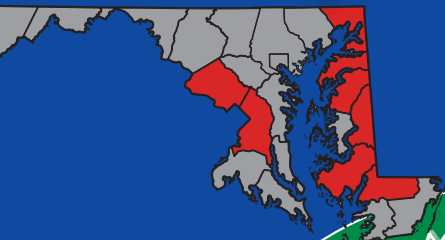
WHAT DID YOU WANT TO BE WHEN YOUR GREW UP?

A Starship Captain

“ I'M A LONGTIME FAN OF SCI-FI SHOWS LIKE STAR TREK, AND WAS INSPIRED BY HOW THE CREW OF THE STARSHIP ENTERPRISE WORKED TOGETHER TO SOLVE PROBLEMS AND STAY ALIVE. THEY'RE A BUNCH OF DIFFERENT FOLKS WITH DIFFERENT SKILLS THAT FORMED A SOLID TEAM. THERE'S NO PROBLEM THEY COULDN'T SOLVE, AND NO BAD DUDES THEY COULDN'T TACKLE. ”



# Claudia M.



**MANAGER,  
BUSINESS PLANNING  
& SUPPORT**  
Pepco Holdings

**PRINCE GEORGE'S County,  
MONTGOMERY County and the EASTERN  
SHORE of MD**

High School: **WEST GENESSEE HIGH**, New York

College: **BACHELOR'S IN MECHANICAL  
ENGINEERING** from Clarkson University

Graduate: **MASTER'S IN  
ENGINEERING  
MANAGEMENT** from  
Drexel University

## What did you want to be when you grew up?

I wanted to be in a career that would be both challenging and fulfilling and would provide opportunities for continuous growth. I wanted to pursue a career in the STEM field and initially went back and forth between Architecture and Engineering, eventually landing in Engineering.

## What do you do at work all day?

My primary responsibilities include the management and oversight of strategic initiatives that help us continue to provide safe, reliable and affordable service for our customers. I work closely with PHI's VP of Electric and Gas Operations in supporting the overall Business Planning process and act as a key business partner working directly with operational and other internal stakeholders to structure and solve problems, perform analytics, and identify drivers and solutions to meet our performance objectives.

## What inspires you to do your job?

- The people - both customers and coworkers;
- Having the opportunity to encourage people and the opportunity to contribute to the success of an organization;
- The challenges of the job; and
- My daughter – I want to be the best role model I can be.





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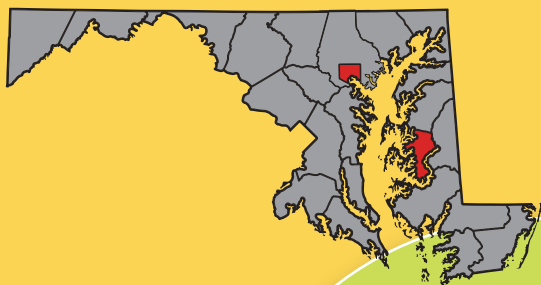
An Exelon Company



An Exelon Company



# Justin M.



## COMMUNICATIONS MANAGER

BGE

I work in **BALTIMORE CITY**

High school: **DEMATHA CATHOLIC  
HIGH SCHOOL**, Hyattsville, MD

College: College of Southern Maryland  
**BACHELOR'S IN BROADCAST  
JOURNALISM** from University of  
Maryland, College Park



### What summer jobs did you have and what skills did you gain from them?

I worked at Modell's Sporting Goods and several construction companies. The most important skill I gained was work ethic. They taught me the meaning of hard work and also that there are no shortcuts to success. It's all part of the journey.

### What internships or work experience did you have?

I worked at WRC-TV NBC4 in Washington D.C. and Sports Talk 980 Radio in Rockville.

### What skills did you gain from them that you are able to use in your current career?

I learned that every experience matters. Show up on time, work hard, put your best foot forward and remain humble. Internships matter and show how committed someone can be.

### What do you do at work all day?

At BGE, I'm responsible for executing media





relations campaigns along with supporting our company's internal campaigns.

I respond to media inquiries and work to position BGE as a leader in safety, innovation, philanthropy and diversity and inclusion. Ultimately, my job is to tell our story to the public while working to mitigate risks to our reputation in the community.

### What inspires you to do your job?

- I like helping people.
- I like being creative by telling stories.
- I like challenges and don't mind facing difficult scenarios.

### What role did mentors play in choosing your career?

Mentors are huge. My mentors taught me what my strengths are and weren't afraid to tell me the areas I needed to improve on. This has helped me both personally and professionally.

### What skills do you use at work?

I use people skills, decision-making skills, negotiation skills and the ability to absorb a lot of information in a short amount of time. Good writing and speaking is key to good communications. The audience has to understand your message.

### How do you use reading and writing in your work?

I write press releases, blogs and employee stories. I also conduct on-camera interviews with media.

### What do you do in your free time?

I spend time with my wife and three children. We enjoy going to the pool and the beach.

### WHAT SCHOOL SUBJECTS DO YOU USE AT WORK?

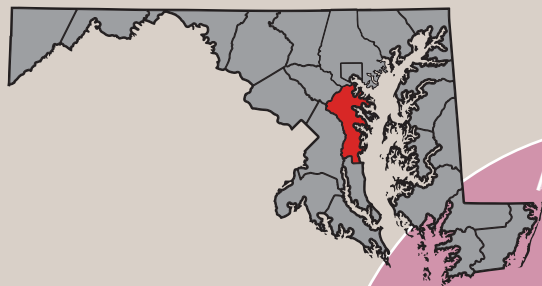
I primarily use reading and writing, but also some psychology at times.

“ THE BEST THING TO DO IS TO IDENTIFY A MENTOR, ASK QUESTIONS AND START THINKING ABOUT WHAT YOUR STRENGTHS ARE. WE ALL HAVE THINGS WE ARE GOOD AT OR THINGS THAT COME NATURALLY TO US. ”



LOCKHEED MARTIN

# Hannah P.



**MECHANICAL  
ENGINEER**  
Lockheed Martin

I work in **ANNE ARUNDEL** County

High School: **SEVERNA PARK HIGH  
SCHOOL**, Severna Park, MD

College: University of Maryland, College Park  
**BACHELOR OF SCIENCE** from University of  
Maryland, Baltimore County

Graduate: **MASTER'S IN  
MECHANICAL ENGINEERING**  
from Johns Hopkins University



## What activities did you do in high school?

I participated in softball, National Honor Society and the Spanish club.

## How did you get interested in them?

I've been playing softball since I was young, so it was only natural for me to try out for the high school softball team. I played junior varsity and varsity throughout all four years of high school. I was inducted into the National Honor Society for maintaining my GPA. I was part of the Spanish club due to my love for the language.

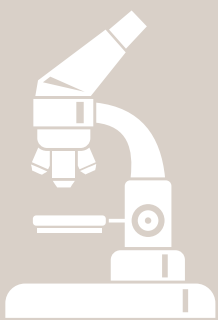
My mother is Puerto Rican and I had a great relationship with my Spanish teacher, who was the leader for the club.

## What summer jobs did you have and what skills did you gain from them?

I was a babysitter and a nanny.

Babysitting taught me to always be prepared. I never left the house without feeling like I had all the tools I needed to conquer anything. It also taught me to think on my feet and stay cool under pressure.





Sometimes accidents happen, minor or major, and you need to make sure to keep your head clear and know what needs to be done to give you the best outcome.

## What scholarships/awards did you receive?

I received STEM Scholarship and graduated Cum Laude from UMBC and Summa Cum Laude from Johns Hopkins University.

## What do you do at work all day?

I've been working at Lockheed for almost five years. In all five years I've worked in different programs involving military ships. I started out working in test engineering, primarily in environmental testing for the United States Navy Littoral Combat Ships. The main focus of this testing is to ensure that all of the components on the ship can withstand a "near-miss" when being fired at by an enemy. My current job still involves naval ships. I've been working more in the ship design realm, where we are designing the ship from the ground up. This involves a lot of interaction with the Navy and understanding the requirements they want on the ship and how each change will affect different aspects of the ship. My day-to-day involves a lot of drawing reviews and meetings with the Navy and other engineers who are creating the ship design.

## What inspires you to do your job?

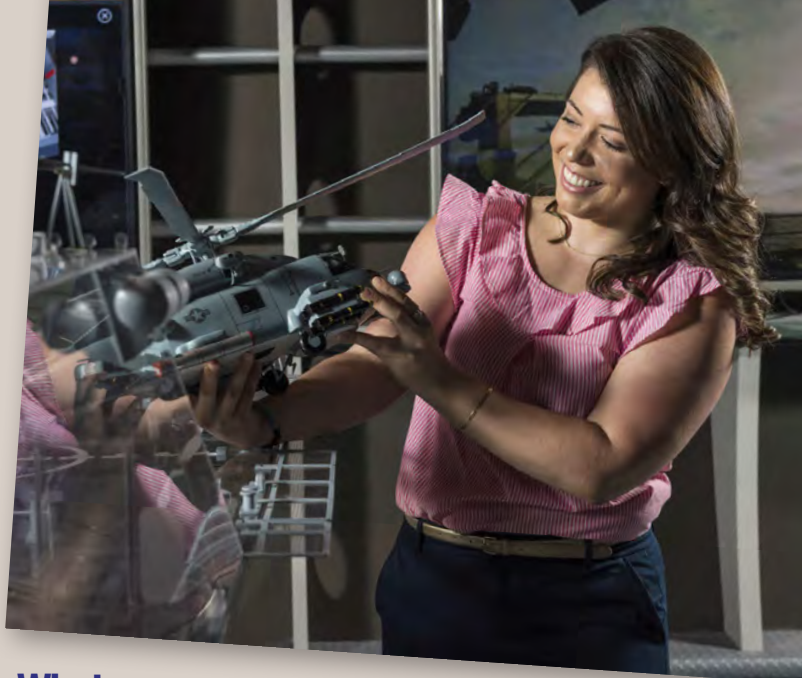
Making a difference in the lives of our military inspires me.

## What is your approximate annual salary range?

I make around \$75,000.

## What do you do in your free time?

I enjoy exploring restaurants and breweries, exercising, cooking and baking. I play with my pet cat and I love spending time with my friends (a lot of whom I work with).



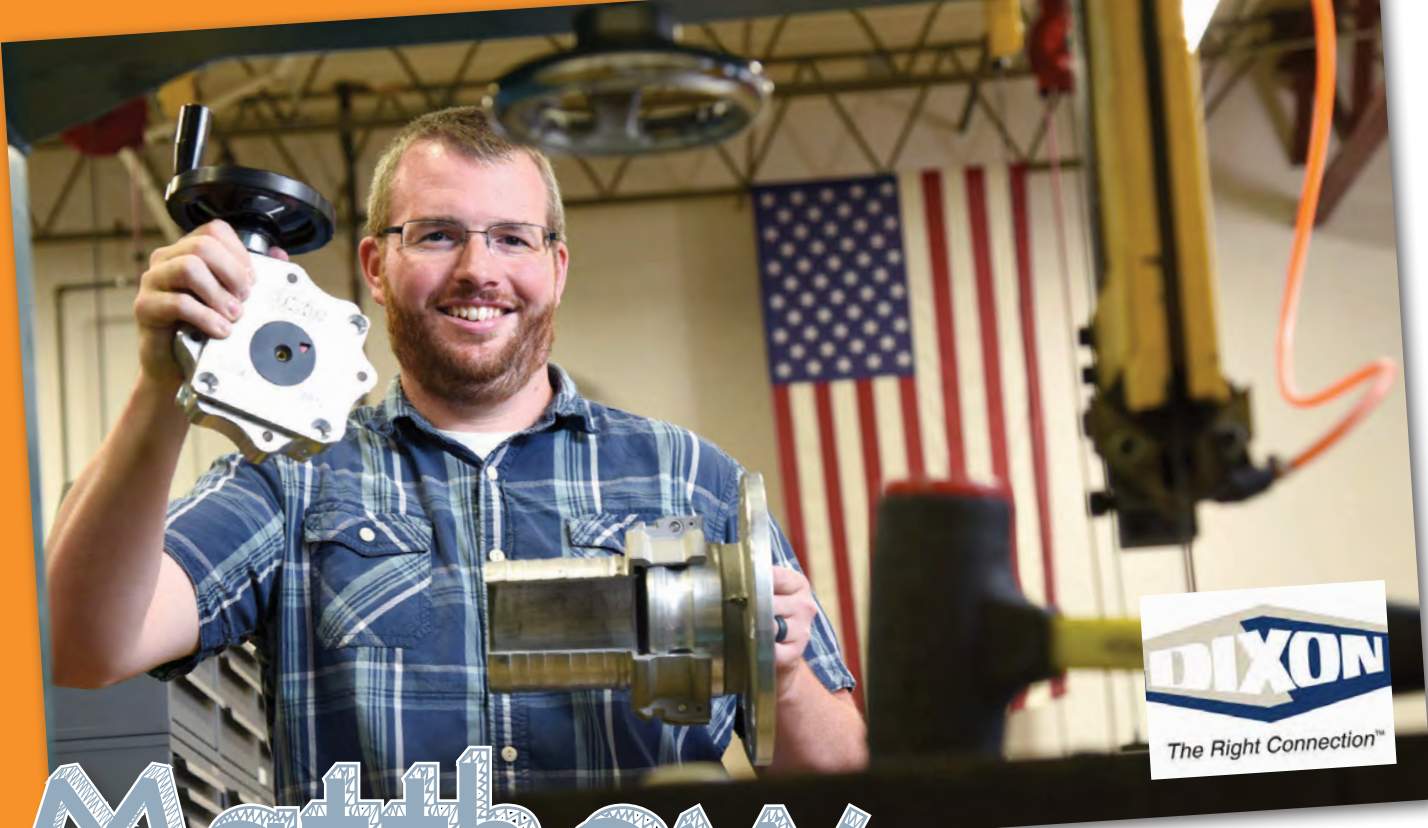
## What can students do NOW to begin preparing for your career field?

Experiment. Find projects or gadgets that interest you and just give it a go! Learn what you like and don't like because that will help you identify where your passions are. I always advise to take computer and keyboard classes, you will not regret it. Finally, taking STEM classes will help you out tremendously. Even if you don't feel like you'll ever use the skill outside of school, the knowledge you gain will be one more skill set to add to your resume.

### WHAT DID YOU WANT TO BE WHEN YOU GREW UP?

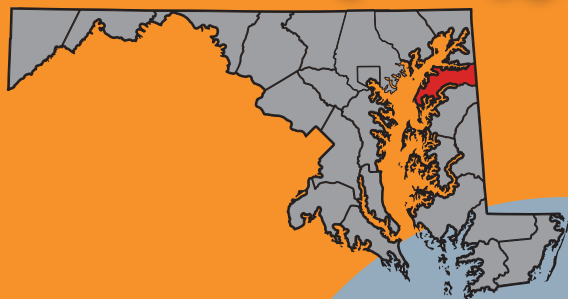
I wanted to be a Nurse Practitioner or Biomedical Engineer.

“ WHEN YOU FEEL APPRECIATED, OR THAT YOUR WORK IS APPRECIATED, YOU WILL ALWAYS STRIVE TO PERFORM YOUR BEST. ”



# Matthew

## M.



### DESIGN ENGINEER

Dixon Valve & Coupling Co.

I work in **KENT** County

High school: **QUEEN ANNE'S COUNTY  
HIGH SCHOOL**, Centerville, MD

College: **A.A.S. IN  
ELECTROMECHANICAL  
ENGINEERING TECHNOLOGY**

from Delaware Technical and  
Community College

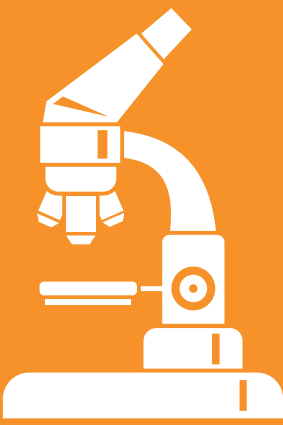


### What summer jobs did you have and what skills did you gain from them?

My father was a general contractor, so I spent my childhood around construction and carpentry. The skills, mindset, and work ethic that were instilled in me have proved to be invaluable in almost everything I do to this day. Measurement, layout, proper use and respect for tools (hand, power and stationary), the meaning of hard work — these are just a fraction of what those taught me.

I also spent a summer working at the warehouse at Dixon Value. I was typically tasked with replenishment, which is moving product from a receiving area to its home location so that it can be pulled for orders. It was neat seeing how a distribution center works and learning about how part numbers relate to our product was extremely helpful later in my career.





## What did you want to be when you grew up?

I wanted to be an electrical engineer.

## What internships did you have and what skills did you gain from it that you are able to use in your current career?

I spent my senior year of high school in a program called Directed Work Experience. It was essentially a co-op between Dixon and the high schools in the adjoining counties. I was accepted into the program for drafting and design, since that was my career path in high school.

## What do you do at work all day?

I spend most of my day designing new products. This normally means not only creating a product that doesn't exist, but also testing procedures and testing equipment that doesn't exist. The work is highly collaborative - working closely with the design team that I belong to, and with our manufacturing and sales teams.

## What inspires you to do your job?

- I enjoy solving problems.
- I enjoy building things and using my hands.
- I enjoy using my mind.

## How do you use skills you learned in school?

In my opinion, engineering is just applied physics, and physics is just applied math. Math is at the root of everything that we do in this field, whether it be simple arithmetic used to calculate dimensional tolerances or part costs, or the high level math that is used to calculate Finite Element Analysis and Computational Fluid Dynamics simulations.



## WHAT IS YOUR APPROXIMATE ANNUAL SALARY RANGE?

A design engineer can make between \$50,000 - \$70,000

“ LEARN AS MUCH AS YOU CAN, ABOUT EVERYTHING – LIFE IS VERY COMPETITIVE, AND KNOWLEDGE IS KEY. DON'T NEGLECT SOFT SKILLS. BECOME AS COMFORTABLE WITH MATH AS POSSIBLE. ”



khaliil  
P.

## What were your favorite subjects in school?

I really enjoyed the problem solving aspects of mathematics and the hypothesis testing and experimental aspects of science.

## What activities did you participate in, in high school?

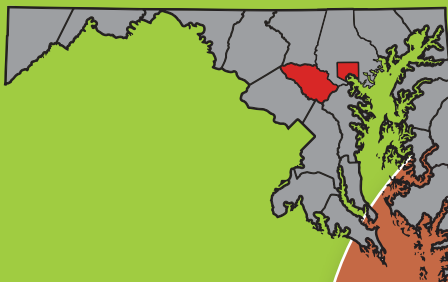
I was involved with varsity basketball, student government and student council, the journalism club, yearbook club and debate team.

## How did you get interested in them?

My parents encouraged me to get involved with as many activities as possible.

## What do you do at work all day?

As the head of digital business intelligence, I lead the technical implementation of solutions in the areas of data engineering, data science, process



**HEAD  
DIGITAL  
BUSINESS  
INTELLIGENCE**  
Legg Mason

I work in **BALTIMORE** City

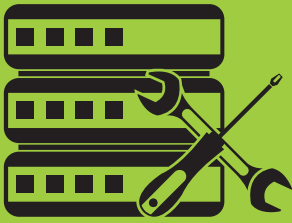
High School: **NORTHERN HIGH SCHOOL,**  
Owings, MD

College: **BACHELOR'S OF SCIENCE IN  
COMPUTER SCIENCE** from Towson University

Graduate: **MASTER'S  
OF BUSINESS  
ADMINISTRATION**  
from Loyola University







automation and data visualization. I manage a team of technology and data specialists working on the latest data and cloud based technologies. My days consist of meeting with

internal business partners to discuss opportunities where technology could enhance existing processes. I also spend time reviewing technology solutions currently being developed by the team. I also spend time designing solutions and staying on top of the latest trends in the areas of Data, Artificial Intelligence and Automation.

### What inspires you to do your job?

- I enjoy analyzing and solving difficult problems.
- I like working with data and data related technologies.
- I enjoy working with ambitious, motivated problem solvers.

### What role did mentors play in choosing your career?

Mentors have helped me to understand different opportunities available, set personal goals and understand the most efficient path to achieve these goals. I've also reached out to mentors to answer questions I've had along the way.



### How did you get your job?

I was hired by Legg Mason directly out of college into an entry level "Trainee Program."

### How do you use skills you learned in school?

Being able to communicate effectively through email and through voice is critically important in my current role. Strong professional communication is a lost art but those that do it well will be very successful.

### What can students do NOW to begin preparing for your career field?

Most people find happiness in future jobs that are similar to activities they did when they were in middle and high school. I enjoyed collecting sports cards and analyzing the statistical data available on the back of each player's card. I didn't know then that I would end up working in a career where data was so important.

There's also a lot of free information and resources available. Take advantage of free online courses and opportunities that give more experience in an area that interests you.

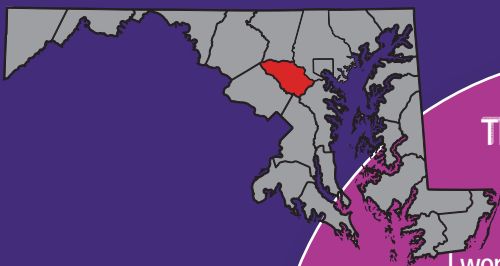
### What skills do you use at work?

I use problem solving skills, leadership, management, technology skills and communication.

“ THINK ABOUT THINGS THAT YOU REALLY ENJOY DOING TODAY AND DETERMINE HOW THESE ACTIVITIES ALIGN TO POTENTIAL CAREER OPPORTUNITIES. ”



# Sarah K.



## NETWORK THREAT SUPPORT SPECIALIST

Leidos

I work in **HOWARD** County

High School: **BOLTON HIGH SCHOOL**,  
Tennessee

College: **BACHELOR'S OF SCIENCE IN  
ELECTRICAL ENGINEERING** from Christian  
Brothers University (CBU)

Master's: Currently in graduate school for a  
**MASTER'S OF ANALYTICS IN  
KNOWLEDGE MANAGEMENT**  
at Notre Dame of Maryland  
University



## What were your favorite subjects in school?

I really enjoyed English because I had an affinity for it; we naturally lean toward the things we are good at. I also enjoyed math, however, it was always a challenge to me but that was what I really enjoyed about it. It was difficult, but I knew there would always be a right answer.

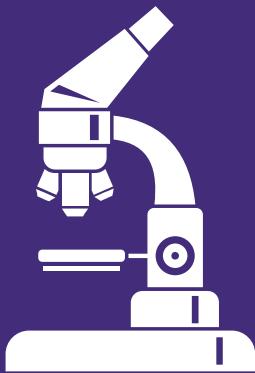
## What activities were you involved in during high school?

I participated in sports (rugby, golf and swimming) and Venture Crew, a scouting organization that emphasized adventures like camping, hiking, kayaking and rope courses.

## What skills did you gain from them that you are able to use in your current career?

I worked as a camp counselor at a Boy Scout camp in Hardy, Arkansas, as a result of my amazing experience attending as a camper the year prior. I was the handicrafts





director and there was a steep learning curve when I started. I had to do my own inventory of supplies (like clay, blocks of wood and

paint) and give the list to the camp director for procurement. This was an important lesson in personal responsibility because if I forgot or just didn't feel like doing my inventory, the kids who came to my classes the following week would not have the supplies they needed to complete their merit badges



### What do you do at work all day?

I am a Network Threat Support Specialist at Leidos. I do cybersecurity analysis to help defend networks from cyber attacks that can be incredibly damaging to our country and infrastructure.

### What inspires you to do your job?

- I like knowing I am playing a role in defending my country.
- I like solving difficult puzzles and challenges.
- I like working on a close and diverse team.

### How did you get your job?

In my junior year of college I went to a National Society of Women Engineers conference in Florida and was attending a talk by someone discussing cybersecurity. She seemed very smart, and I was incredibly interested in the subject matter, so I stopped to chat with her when she was finished. She invited me to the company's private hospitality suite where they were talking to potential employees about the company and that was how I got my foot in the door for an internship.

### What skills do you use at work?

I use teaming, coding & critical thinking.

### What can students do NOW to begin preparing for your career field?

Go online and look for lectures and events at local colleges and businesses in career areas you are interested in. Attend them and be engaged. Write as many scholarship essays you can, and keep your eye out for opportunities.

“DON'T MISS THAT GREAT CHANCE BECAUSE YOU BELIEVE IT IS BENEATH YOU; EVERY STEP, NO MATTER HOW SMALL, IS A STEP TOWARD SOMETHING WHICH PUTS YOU ONE STEP AHEAD OF PEOPLE WHO ARE STANDING BY NOT MAKING ANY MOVES.”



# Jordan S.

## What was your favorite subject in school and what did you enjoy most about it?

My favorite subject was Biology. What I liked most about it was that it is always around you. It taught me about things that I saw every day and gave me an appreciation for the environment and the power of Mother Nature.

## What did you participate in during high school and did it prepare you for college?

I played baseball, football, swimming and golf. Playing sports growing up and throughout high school taught me time management and discipline. Those two skills are probably the most important to be successful in college.

## What do you do at work all day?

A typical day at an oyster hatchery starts off by checking on our larval tanks and algae cultures and determining what needs attention. Our larval tanks are drained

### SENIOR MANAGER, OYSTER PRODUCTION

Hoopers Island Oyster Company

I work in **DORCHESTER** County

High school: **SOUTH DORCHESTER HIGH SCHOOL**, Cambridge, MD

College: **ASSOCIATE OF ARTS** from Chesapeake College

**BACHELOR'S OF SCIENCE IN BIOLOGY, MARINE SCIENCE** from Salisbury University







every other day to change the water and examine the larvae in the tanks. We count and size the larvae and put them back

into a clean tank. Our microalgae cultures require a lot of attention to ensure that they stay clean and grow like they should.

## What inspires you to do your job?

Growing oysters is a challenging and sometimes frustrating career; however, it is very rewarding to see the product after two years of work that you put into them. Furthermore, it is very gratifying to know that you are making a difference in the health of the Chesapeake Bay by putting back its natural filter, the oyster.

## How did you get your job?

My dad founded Hoopers Island Oyster Company during my freshman year of college which is where I first became interested in oyster aquaculture. After I graduated from college I began running the nursery and the farm for HIOC and have been ever since.

## What school subjects do you use at work?

A lot of what we do at the oyster hatchery is monitoring water quality and growth variables. I use algebra to determine food rations based on harvest densities of our algae and tank volumes. I use chemistry to chemically treat water for algae cultures. I also use biology to spawn oysters and analyze cellular division of developing oyster larvae, through the production of gametes in our broodstock.

## What can students do NOW to begin preparing for your career field?

For anyone looking to pursue a career in aquaculture, I would recommend looking into the industry and determine which part of the life cycle interests you



the most. The skills that are utilized at each stage, Hatchery, Nursery and Farm, are very different.

The hatchery has a strong focus of biology and environmental science while the nursery and farm focus more on the dynamics of the water and how that impacts the way the oysters grow.

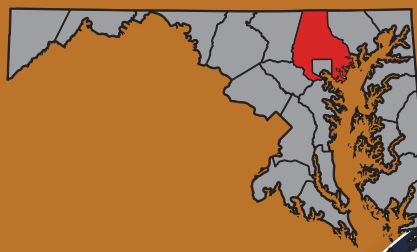
### WHAT IS YOUR APPROXIMATE ANNUAL SALARY RANGE?

My salary ranges from \$65,000 to \$75,000.

“ THROUGH AN INTERNSHIP I HAD, I LEARNED ABOUT THE LIFE CYCLE OF THE EASTERN OYSTER AND MORE SPECIFICALLY, HOW TO SPAWN THEM, REAR LARVAE AND GROW MICROALGAE. ”



# Hailey E.



**FAB LAB MANAGER**  
Community College of Baltimore  
County

I work in **BALTIMORE** County

High School: **CAB CALLOWAY SCHOOL  
OF THE ARTS**, Delaware

College: **BACHELOR'S OF FINE ARTS  
IN ENVIRONMENTAL DESIGN**  
from the Maryland Institute College of  
Art

## What were your favorite subjects in school?

I liked science and art.

## What did you enjoy most about them?

I enjoyed painting in art class and learning about the brain in human anatomy class.

## How did they prepare you for college?

These classes helped me with portfolio preparation by taking art classes outside of school.

## What activities did you do in high school?

I participated in track & field, tennis and art honors society.

## What did you want to be when you grew up?

I always wanted to be an artist or designer.





### **What summer jobs did you have and what skills did you gain from them?**

I was a lifeguard and swim instructor, both of which helped me be able to talk with large groups of people, and to teach, especially young children.

### **What internships did you have and what skills did you gain from them that you are able to use in your current career?**

I was an intern at Fab Lab Baltimore, where I currently work. Through my internships I was able to meet people who helped me start my career, as well as gain valuable skills in Computer Aided Design and Drafting and rapid prototyping.

### **What do you do at work all day?**

I teach classes and workshops to students at Community College of Baltimore County on how to use various CADD software (such as AutoCad and SolidWorks). I also assist lab members with using the lab's digital fabrication equipment, such as 3D printers, laser cutters and CNC routers. Finally, I design and fabricate projects for people.

### **What inspires you to do your job?**

- I love building things and working with my hands.
- I like helping people.
- I like doing something different and new every day.

### **What perks or other tangible benefits do you get?**

I get to take classes for free at the Community College of Baltimore County.

### **How did you get your job?**

I was an intern and then I worked part time for two years before getting the chance to apply to the full time manager position.

### **What skills do you use at work?**

I use creative problem solving, public speaking, teaching and CADD/computer skills.



### **What school subjects do you use at work and how do you use them?**

I use design skills. I try to incorporate them into student projects involving digital fabrication such as the project you see on page 62.

### **What do you do in your free time?**

I like to paint, powerlift, rock-climb and do freelance product design work.

“

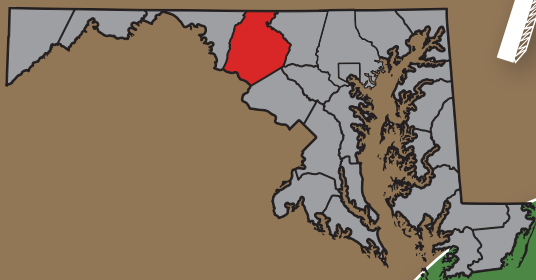
**GET GOOD GRADES IN  
ALL YOUR CLASSES,  
PAY ATTENTION TO  
WHAT YOU GENUINELY ENJOY  
DOING AND LET THAT  
GUIDE YOU.**

”



# Shannon

# M.



**DEPUTY  
DIRECTOR,  
VETERINARY MEDICINE**  
U.S. Army Medical Research Institute  
of Infectious Diseases

I work in **FREDERICK** County

High school: **OLON HIGH SCHOOL**, Ohio

College: **BACHELOR'S IN SCIENCE** Clarion  
University

**DOCTOR OF VETERINARY  
MEDICINE** from The Ohio State  
University College of Veterinary  
Medicine

## What activities did you do in high school?

I participated in volleyball, basketball, track and honor society.

## How did they prepare you for college?

As a member of sports teams I learned to set goals and create small steps to achieve them. Additionally, I was selected as a captain and that taught me how to lead and the importance of team member development.

## What summer jobs did you have and what skills did you gain from them?

I knew I wanted to be a veterinarian but the only jobs I could get were cleaning up after animals. I cleaned stalls and groomed horses at a local farm and



then found a job cleaning out dog and cat kennels at a veterinary owned boarding facility.

### **What do you do at work all day?**

I am a veterinary advocate for animals used in research. I work to ensure that animals really do need to be used to achieve the goal of the research study and that they are cared for using the highest standard of veterinary care. I also work to ensure that all medications are used appropriately.

### **What inspires you to do your job?**

I enjoy problem solving, being part of a team, leading teams and mentoring those around me to help them reach their potential.

### **How do you use the skills you learned in school?**

I need to write clear instructions on how to perform veterinary tasks (English and computer skills). I also need to calculate blood volumes and drug dosages for animals (math), and figure out what medications or nutrition to give to animals (Biology and Chemistry).

### **What can students do NOW to begin preparing for your career field?**

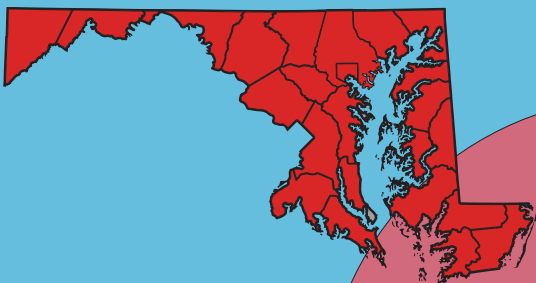
Meet and talk to people. Try new things, play sports or do something that interests you like music or drama. Make a goal and write down the steps that you need to take to achieve it. Tell a friend or family member about that goal and post it somewhere you see every day and work to achieve it. Plan to do something you love when you do achieve it.



“ EXPLORE YOUR INTERESTS AND THINK ABOUT WHAT KINDS OF CAREERS MAY INTEREST YOU OR THAT YOU THINK YOU WOULD BE GOOD AT, ASK IF YOU CAN SHADOW SOMEONE IN THAT CAREER. ASK QUESTIONS TO LEARN ABOUT THINGS YOU DON'T UNDERSTAND. ”



# Darius J.



## AFFILIATE DIRECTOR

ACE Mentor Program of Baltimore

I work in **KENT/BALTIMORE** Counties

High school: **KENT COUNTY HIGH SCHOOL,**  
Worton, MD

College: **BACHELOR'S OF ARTS IN  
BUSINESS MANAGEMENT**  
from Washington College



## What did you want to be when you grew up?

Growing up I wanted to be a lawyer, or a talent agent for music artists, actors and athletes. I think back then, I was really interested in solving other people's problems and connecting others. I can happily say that I'm able to do that now with my current job.

## What summer jobs did you have and what skills did you gain from them?

I worked at Johnson's Concrete as a laborer/concrete finisher and as a busser at Chester River Yacht & Country Club. Both work environments required fast-paced thinking and work, and they didn't leave a lot of room for "mess ups", so the ability to work and communicate effectively to solve problems with my team was extremely important.

## What do you do at work all day?

Some days I will be in a classroom promoting





construction career pathways to students. Other times, I will be planning or supporting events to raise awareness about careers in the construction industry.

I also spend a great deal of time speaking and listening to teachers and employers in the industry to determine ways for both groups to connect. Our ultimate goal is to show young people that construction careers can be a first-choice, and we need to make sure that teachers and employers are working together in the best way, to achieve it.

### What inspires you to do your job?

I like helping people. I believe that everyone has value, or a story that is worth being shared with the world, and I want to help others do that.



### What can students do NOW to begin preparing for your career field?

- Talk about your interests and passions! All it takes is one person to change your life. Many people want to help others, but they can't do that if you don't speak up.
- Ask questions! If you don't understand something, ask someone who can educate you. If you see a career on YouTube that interests you, ask folks around you to learn more.
- Take your education seriously. My classes have been so relevant to the work that I do today. Grades matter obviously, but the engagement that you get out of your classes, matters just as much.
- Find a job. Work experience is critical to your ability to develop the "soft skills" that employers need from younger generations. A job (in high school) should also be used to explore potential career options for you.

WHAT  
IS YOUR  
APPROXIMATE  
ANNUAL SALARY  
RANGE?

It can range \$40,000  
to \$60,000 a year

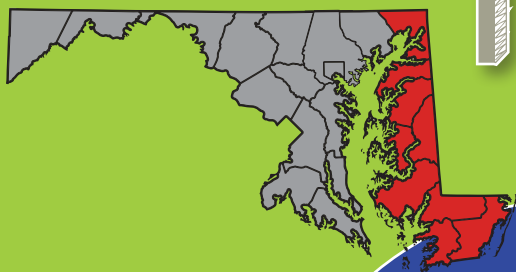
“ YOU SHOULD  
FIGURE OUT WHAT  
YOU LOVE DOING,  
DO IT EVERY DAY,  
AND FIGURE OUT  
HOW YOU CAN MAKE  
MONEY FROM IT. I  
LOVE HELPING OTHERS,  
AS WELL AS CONSTRUCTION,  
AND I'M ABLE TO MAKE A  
LIVING FROM THOSE THINGS.  
IT'S AWESOME!

”



# Elise

# T.



## ENVIRONMENTAL EDUCATION OUTREACH SPECIALIST

NOAA's Environmental Science  
Training Center

I work in **THE EASTERN SHORE** counties

High school: **MEDWAY HIGH SCHOOL,**  
Massachusetts

College: **BACHELOR OF ARTS**  
from Hampshire College



## What were your favorite subjects in school?

All throughout school I really enjoyed English class. I was particularly fascinated with writing about the environment and eventually learned about the field of science communication from a teacher who had become a sort of mentor for me.

## How did they prepare you for college?

Since I started working on the newspaper as a freshman, I had four years of experience doing everything from writing stories, conducting interviews, editing the work of my peers, laying out the paper, working with the publisher and leading storyboard meetings. Being on the newspaper gave me confidence in my skills as a writer and also as a leader in my community.

## What summer jobs did you have and what skills did you gain from them?

I was a photography intern at "The Voice" (a local newspaper) and barista/baker at two coffee





shops/bakeries. I started working in coffee shops/bakeries when I was 12 and continued through college in the summertime. While it's not a super glamorous

job, I learned a lot of important life skills. One of the most important, I think, is being able to carry a conversation with anyone.

### What skills did you gain from them that you are able to use in your current career?

In college I took advantage of every opportunity that I could. I made a strong effort to stay in communication with my academic advisors who helped me shape my interdisciplinary program. They guided me to internships, volunteer opportunities and student groups that would sharpen my skills and broaden my perspectives.

### What do you do at work all day?

I plan and host workshops for teachers and non-formal educators (state park rangers, river keepers, nonprofit folks) about different science topics. Some examples are: climate change, invasive species, estuary and ocean literacy, etc. I create online courses for teachers to enhance their knowledge about certain science topics or frameworks. I work with partners to ensure that students are having "Meaningful Watershed Educational Experiences" (MWEEs). Sometimes I come out to classrooms to teach students about the Chesapeake Bay.

### What inspires you to do your job?

- Knowing that more young people are connecting with the outdoors and thinking about their place in the world;
- The occasional opportunity to work in the office to plan things and bringing people out on the water to learn; and
- Working on big picture issues that impact everyone.

### How did you get your job?

I applied for it. I had been working at an environmental education center/field station on the Eastern Shore of Virginia. It was a nonprofit and I had worked there for nearly five years and had just spent six months running the whole center as the Interim Executive Director.

#### WHAT DID YOU WANT TO BE WHEN YOU GREW UP?

I wanted to be a journalist, specifically for environmental issues.



GO TO A SCIENCE SUMMER

CAMP, TAKE A FIELD GUIDE OUTSIDE AND LEARN ABOUT THE ENVIRONMENT, VOLUNTEER WITH A LOCAL ORGANIZATION TO TEST WATER QUALITY ON YOUR LOCAL CREEK, READ ABOUT ENVIRONMENTAL ISSUES, OR JOIN OR START AN ENVIRONMENTAL CLUB.





# Mamadou

# k.



**SOCCER COACH**  
Loyola University

I work in **BALTIMORE CITY**

High school: **MCDONOGH SCHOOL,**  
Owings Mills, MD

College: North Carolina State University  
**BACHELOR OF ARTS IN**  
**PSYCHOLOGY** from University of  
Maryland, Baltimore County



**What was your favorite subject in school?**

I liked social studies.

**What did you enjoy most about it?**

It was more interactive and it engaged me in learning about different people and cultures.

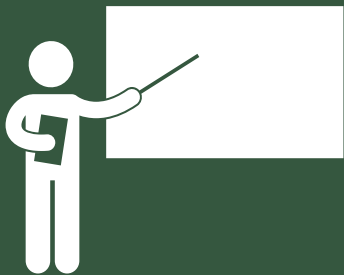
**What internships or work experiences did you have?**

I was an assistant coach at Hood College, head of U23 soccer team at Ellicott City and assistant coach at the Olympic Development Program (ODP).

**What skills did you gain from them that you are able to use in your current career?**

I learned how to manage different personalities to maximize the performance level of the team.





## What do you do at work all day?

I scout the opposing team and their individual players. I make a video report of how they play and their strengths and weaknesses. So I use iMovie a lot. I also will be involved in community outreach, whether that is connecting with a local foundation or an after-school program. This is a way for our program to give back to the community.

## What inspires you to do your job?

- My mother! She told me to find a job that'll make me happy.
- The people I work with are quality people.
- I love the game of soccer.

## What role did mentors play in choosing your career?

My top mentor is my mother, who through her actions taught me how to handle and rise above adversity. Then there are my coaches who have taught me that being a coach is more than the "drills" and "exercises." It is about the connections/relationships that are built between all involved to achieve a common goal. This is why I chose to study psychology.

## How did you get your job?

I have always wanted to be a college coach. I learned of the availability and applied.



“

WHAT DID YOU WANT TO BE WHEN YOU GREW UP?

A soccer coach.

MAKE A DECISION TO START PLAYING, WATCHING, AND READING ABOUT SOCCER. STEP OUT OF YOUR COMFORT ZONE AND BUILD RELATIONSHIPS WITH PEOPLE FROM DIFFERENT BACKGROUNDS. SOCCER IS A MULTI-DIMENSIONAL SPORT AND EVERY/ANY EXPERIENCE CAN HELP LEAD A PERSON TOWARDS A CAREER IN IT.

”



# Mary Beth

## N.

### What were your favorite subjects in school?

I liked art, music and dance.

### What did you enjoy most about them?

I enjoyed having the opportunity to express myself in my own unique way.

### What activities did you do in high school?

I participated in chorus, chambers choir, treble choral, Poms Squad and photography.

### How did you get interested in them?

I love to sing so I began in general chorus and by the end of my freshman year I auditioned for chambers and then in my junior year, we created treble choir.

#### ART EDUCATOR

Howard County Public School  
System at Wilde Lake Middle School

I work in **HOWARD** County

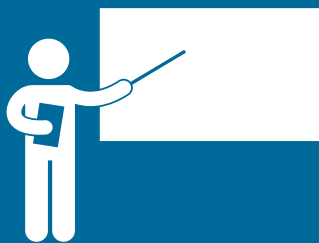
High School: **SENCEA VALLEY HIGH  
SCHOOL**, GERMANTOWN, MD

College: **BACHELOR'S IN ART  
EDUCATION** University of Maryland,  
College Park

Graduate: **MASTER'S** in Art  
Education University of  
Maryland, College Park







I had been dancing since age 3 so the Pom squad was another opportunity to do what I love and show school spirit. I signed up for a photography course

and fell in love. I loved rediscovering the images I took in the dark room.

### How did they prepare you for college?

All of my activities were arts-related and taught me perseverance as I developed my craft.

### What skills did you gain from internships and other work experiences that you are able to use in your current career?

I was a student teacher in 2002-2003 and that allowed me to observe other teachers and practice teaching.

### What do you do at work all day?

My day consists of teaching art to sixth through eighth grade students. I teach multiple mediums from drawing, painting, ceramics, etc. When my art room is not full I am planning and preparing lessons, grading and creating displays. I also have staff meetings, committee meetings and morning and afternoon duties.

### What role did mentors play in choosing your career?

My mentors were my teachers in high school. My choral director gave me opportunities that pushed me to take risks and my photography teacher guided me through my artistic process.

### What is your approximate annual salary range?

An art teacher can make between \$50,000 to \$100,000.

### What activities do you enjoy outside of work?

When I am not teaching art, I enjoy creating my own personal artworks. I like to draw, paint and create glass-fused jewelry.



### How did you get your job?

I applied to several school districts in Maryland while student teaching. After interviewing with human resources and the arts supervisor, I was sent to interview with principals.

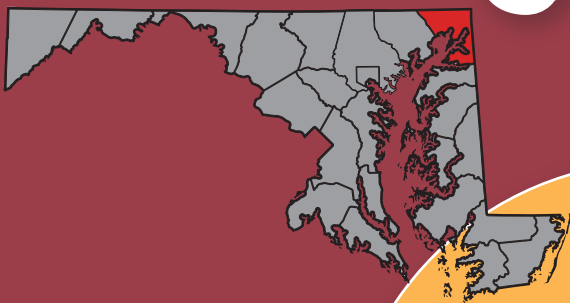
### What can students do NOW to begin preparing for your career field?

Develop an art portfolio, study hard and look for opportunities to work with children.

“ I WANTED TO BE A POLICE OFFICER BECAUSE I HAD A DESIRE TO HELP OTHERS. ONCE I DISCOVERED THE ARTS, THAT PUSHED ME IN A DIFFERENT DIRECTION. ”



# William D. Jr.



## JUDGE /

Circuit Court for Cecil County

I work in **CECIL** County

High School: **ST. JAMES SCHOOL,**  
Hagerstown, MD

College: **BACHELOR'S IN ENGLISH** from  
Morehouse College

Graduate: **JURIS DOCTOR DEGREE**  
from Georgia State School of Law

## What activities did you do in high school?

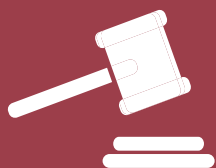
I participated in basketball, weight lifting and Prefect Council, a student leadership position.

## How did you get interested in them?

I have always had a love of sports but never was overly athletic. I was able to develop friendships and learn teamwork by playing organized sports. My teachers and classmates nominated me for the Prefect Council after realizing my potential leadership abilities.

## How did they prepare you for college?

Basketball taught me how to work in a fast paced, stressful team environment. It also taught me to be competitive and follow rules. These were tools that helped me to learn to deal with the rigors of college classes.







### What internships or work experiences did you have?

My experiences included working at the Georgia Justice Project and the Atlanta Volunteer Lawyer's Foundation.



### What skills did you gain from them that you are able to use in your current career?

At Georgia Justice Project I assisted in the defense of indigent defendants. I learned interviewing skills and case preparation skills that helped me in the practice of law. At Atlanta Volunteer Lawyer's Foundation I represented victims of domestic violence in court under the third year law student act. I learned advocacy skills and further honed my interviewing skills.

### What do you do at work all day?

As a Judge, I am primarily charged with managing the daily docket in my courtroom. That includes ensuring that all cases are called in a timely manner and little time is wasted to ensure the docket's completion. I have limited control over which cases appear before me, but I have a great deal of control on how they are resolved.

### What inspires you to do your job?

- I like being able to give back to my community;
- I enjoy being involved with the youth and witnessing their progress in juvenile court; and
- I enjoy watching people succeed in all facets of rehabilitation.

### How did you get your job?

I went through a thorough vetting process involving legal committees and specialty groups and was ultimately appointed by the Governor of the State of Maryland to fill the position as Judge.

### What skills do you use at work?

I use time management and legal reasoning skills.

### WHAT IS YOUR APPROXIMATE ANNUAL SALARY RANGE?

My annual salary is about \$160k.

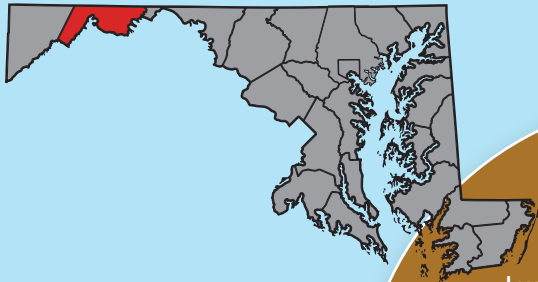
### What can students do NOW to begin preparing for your career field?

Good grades are important to get into law school. But schools also like when students take the initiative to be involved in community activities. Volunteer your time to causes that mean something to you. Also, seek legal based summer internships.

“ I LEARNED TO NOT BE BASHFUL WHEN COMMUNICATING WITH OTHERS. ”



Nicole  
D.



**FINANCE  
DIRECTOR**  
Conxx, Inc.

I work in **ALLEGANY** County

High School: **FORT HILL HIGH SCHOOL,**  
Cumberland, MD

College: **BACHELOR'S IN BUSINESS  
ADMINISTRATION** from Frostburg  
State University

Master's: **MASTER'S OF BUSINESS  
ADMINISTRATION** from  
Frostburg State University



### What were your favorite subjects in school?

I liked English and mathematics.

### What did you enjoy most about them?

I am an avid reader and loved anything to do with literature. Mathematics was challenging, in a great way. It really made me apply myself daily.

### What activities did you do in high school?

I participated in soccer, tennis, national honor society, Tri-Hi-Y and student council.

### How did you get interested in them?

Sports were a fun and stress-free release that I enjoyed.

The other clubs were fun to get closer with my classmates, show school spirit, and to acknowledge my academic accomplishments.





## What do you do at work all day?

As a finance director of a small corporation, my tasks vary greatly day to day. I handle

all accounting and financial responsibilities including paying bills, invoicing customers, employee payroll, insurance, etc. I handle forecasting of financials, human resources, designing financial policies and preparing financial reports.

## What inspires you to do your job?

- No two days are the same; I am constantly learning new things.
- I'm an integral part of the company.
- I am financially rewarded for my dedication and hard work.

## What role did mentors play in choosing your career?

Mentors played a huge role in me choosing my career. I thought that working with numbers and spreadsheets would be too boring to make a career with. In college, I learned that being in front of a computer doesn't have to be monotonous. Tasks can be quite challenging and the job is never dull.

## How did you get your job?

As a college student I completed an independent study course in which I created and implemented an employee handbook for my company. I was offered a full-time position to start immediately upon graduation.

## What skills do you use at work?

I use critical thinking, problem solving, management, leadership, communication, planning and teamwork.

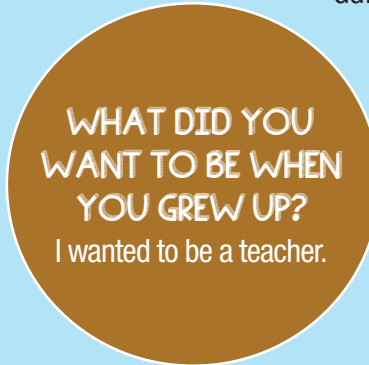
## What school subjects do you use at work? How do you use them?

I use mathematics, English, computer science and accounting. Accounting and mathematics are used daily for record keeping. Computer science is used for tech support for customers since we are a telecommunications company. English is used for all communications; verbal and non-verbal.

## What can students do NOW to begin preparing for your career field?

Start to expose yourself to as many different fields of learning as possible. You may change your mind about "what you want to be" over and over, and that's ok. Learn what you are passionate about, and how you can make this a career.

“ BEING INVOLVED IN  
A COUPLE DIFFERENT  
ACTIVITIES PREPARED  
ME FOR COLLEGE BY HELPING  
ME LEARN HOW TO  
MANAGE MY TIME. ”





	NCAA Participants	Approximate # Draft Eligible	# Draft Picks	# NCAA Drafted	% NCAA to Major Pro*
Baseball	34,980	7,773	1,215	735	9.5%
Men's Basketball	18,712	4,158	60	50	1.2%
Women's Basketball	16,532	3,674	36	34	0.9%
Football	73,063	16,236	253	253	1.6%
M Ice Hockey	4,199	933	217	60	6.5%
M Soccer	24,986	5,552	88	78	1.4%

(source: <http://www.ncaa.org/about/resources/research/estimated-probability-competing-college-athletics>)

Many grow up dreaming of playing sports in college and professionally. But of the nearly 8 million students currently participating in high school athletics in the United States, only 480,000 of them will compete at NCAA schools. And of that group, only a fraction will realize their goal of becoming a professional athlete.

For the rest, the experiences of college athletics and life lessons they learn along the way will help them as they pursue careers in other fields. Education is a vital part of the college athletics experience, and student-athletes treat it that way. Overall student-athletes graduate at higher rates than their peers

in the student body, and those rates rise each year. The chart above shows the probability of competing in athletics beyond high school – both college and professionally. The percentages are based on estimated data.



# YOU ARE MEANT TO DISCOVER

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WE'RE ENGINEERING A BETTER TOMORROW.®

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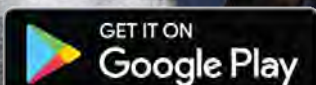
# Congratulations!

You have reached the end of the magazine, but your journey is just beginning.

Introducing **My Path**, your personal checklist of suggested activities organized by grade to prepare you for college and career.



Download our new companion app **Way to Be** to continue your education by exploring additional content and career profiles not found in this publication.



WAY *to* BE

