



# 2021 ANNUAL REPORT

Creating Pathways and Access for Student Success  
(CPASS) Foundation

This report was created for CPASS Foundation by [Prevention Advisory Group](#).

The logo for CPASS Foundation features the text "CPASS" in a dark blue, sans-serif font, with a light blue triangle above the letter "A". Below "CPASS" is the word "FOUNDATION" in a larger, dark blue, sans-serif font. The background of the logo area consists of a pattern of overlapping triangles in various shades of blue.

# INTRODUCTION

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STEM occupations are in high demand and continue to grow at an astounding rate compared to other occupations. Despite this growth, STEM fields are predominantly filled by white males, who according to the [National Science Foundation](#), represent 72% of the STEM workforce while Blacks and Latinx people make up 30.7% of the US population, according to the [2020 U.S. Census](#).

This disparity in the proportion of Americans choosing STEM careers comes into focus when one realizes the U.S. population currently has more non-white children than white. Knowing STEM professions tend to be among the highest paying jobs, this is a call to action for advocates of underserved youth.

Beyond pure math and science, STEM education leads to other essential twenty-first century skills like critical thinking, problem solving, team or project management, and creativity. It is essential that focused STEM programming for minorities is provided to close the gap and improve the socioeconomic status of Black and Brown communities.



## STEM CAREERS ARE THE LIFEBLOOD OF OUR FUTURE

**CPASS Foundation** serves students in Illinois with pathways and access to learning opportunities, camps, and resources through STEM and STEAM programs.

# Creating Pathways and Access for Student Success FOUNDATION

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## ABOUT OUR DIRECTOR

### STEPHEN MARTIN, PHD, MPH

EXECUTIVE DIRECTOR

**Dr. Martin** is a leading healthcare executive and a nationally recognized authority on population health and health policy issues. Previously, he served in several executive roles including Health Commissioner and Chief Operating Officer for the Cook County Department of Public Health and a senior executive member of the Cook County Health & Hospitals System, the third largest public healthcare system in the United States.

**Dr. Martin** holds a B.S. in Biology and a M.P.H. in Epidemiology from Tulane University and a Ph.D. from the University of Michigan in Epidemiologic Science. He is a member of numerous professional organizations and serves on the faculty at the University of Illinois at Chicago School of Public Health.

## FOCUS FOR 2022



### DEVELOP A LONG-TERM STRATEGY

Initiate a strategic planning process while onboarding the new Associate Director of CPASS Foundation.



### ADDRESS IMPACT OF THE PANDEMIC

Reinforce curriculum supports to regain academic, social-emotional, and physical health grounding that became unstable during the pandemic.



### ENHANCE OPERATIONAL PERFORMANCE

Take the opportunity, with the return to in-person activities, to add structure to organizational processes and strengthen CPASS's proprietary STEM database.

# CPASS FOUNDATION OVERVIEW

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The **Creating Pathways and Access for Student Success™ (CPASS) Foundation** was created to attract, encourage, educate, guide, and increase the number of promising, yet underrepresented Illinois students in science, technology, engineering, and math (STEM) related professions. We are committed to providing a holistic educational foundation and exclusive access to career development resources for students to persist in STEM careers.

## OUR VISION

**CPASS** will be the premier pipeline organization for underserved students to persist in STEM careers and dismantle health inequity.

## OUR MISSION

**CPASS** provides STEM programming for underrepresented Illinois students while impacting policy change, providing access to valuable STEM programs, empowering their STEM identity, supporting them to excel as advocates, and lead social justice efforts in their home communities.

# OUR VALUES

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## ATTRACT

**CPASS** Foundation attracts the most comprehensive programs that create opportunities to catapult students with the greatest need into successful STEM careers.

## EMPOWER

Our leadership is devoted to training and educating our students in ways that encourage self-advocacy and self-determination.

## EXCEL

Our programs target the skills our future leaders need to be successful while turning typical points of failure into successes. These are the moments they will reference for years to come.

## LEAD

Self-confidence and demonstrated skill are the platform we build and nurture to ensure our scholars have the tools they need to be effective leaders in their STEM careers and community.

## PASSIONATE PEOPLE

- ▶▶▶ **We wear** our crowns proudly and are unapologetic about our success.
- ▶▶▶ **We are** optimistic, knowing the future will be better because we are committed to making a difference.
- ▶▶▶ **We are** volunteers and givers of our time, talent, and treasure for the greater good.
- ▶▶▶ **We are** persistent despite day-to-day obstacles.
- ▶▶▶ **We face** challenges and conflict head-on, leading with integrity and empathy.
- ▶▶▶ **We know** we can achieve any goal we set our sights on. We simply must make it a point of focus.
- ▶▶▶ **We are** good at whatever we practice. As a result, our daily routines are full of healthy, growth behaviors.



## 2021 RESULTS

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Despite this being the second year of the pandemic, with many ups and downs, programming for CPASS Foundation grantees was robust and demonstrated how relevant our vision and mission are to families throughout the state of Illinois.

- ▶▶▶ We are so proud to celebrate our Inaugural Class for SMASH Illinois has started their senior year of high school and will graduate in the Spring!
- ▶▶▶ Chicago Area Health and Medical Careers Program (“CAHMCP”) at Chicago State University will be able to expand its reach again this year and grow the enrollment. Last year they were able to grow from a 1-week program to 2-weeks, and this coming year they will be able to expand to 3- weeks.
- ▶▶▶ CAHMCP at Rosalind Franklin University allows students to take a year of medical school classes pre-admission, while they study for the MCAT. If they perform well, they get an interview with the Admissions Committee for the potential opportunity to enroll as first-year students.
- ▶▶▶ The planning phase of Mini Medical School at Rosalind Franklin University is complete, and it will open in the winter of 2022.



## FROM THE DESK OF... OUR BOARD CHAIRMAN

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The coronavirus pandemic poses enduring challenges in inspiring science, technology, engineering, and math pursuits. In bringing STEM discovery to under-resourced communities, the work of the CPASS Foundation and its partners has never been more important. Online and hybrid learning continues to disrupt the process of discovering STEM principles. Educators and parents need all the support we can give them to spark students' curiosity. You have my deep thanks in navigating new spaces, schedules and safety protocols to lead students along an eventful learning path.

I'm especially grateful that the CPASS Foundation has restarted and invigorated the Chicago Area Health and Medical Careers Program (CAHMCP). CAHMCP and its hands-on activities inspired a generation of STEM professionals. By maintaining and expanding experiential programs such as the Mini Medical School and SMASH Illinois, CPASS continues to develop innovative, active learning environments.

To keep Black and Brown students engaged in STEM learning during an extended public health crisis, we must lay groundwork for closing the student achievement gap. From kindergarten all the way to medical school, they face barriers to development, emotional well-being, and academic success. STEM learning demands community awareness of its critical importance in and out of the classroom.

The pandemic has revealed and widened the health disparities that plague Black and Brown communities, and the lack of trust that the medical community must overcome to bring truly equitable health outcomes. Making the ranks of medical practitioners more diverse and inclusive is crucial to empowering under-resourced communities with the knowledge that helps them achieve wellness.

Pre-health programs provide critical supports to students willing to make the leap into STEM health careers. The pandemic has revealed the enormous challenges under-resourced college students face in an unfamiliar and competitive atmosphere. I'm encouraged by the progress CPASS Foundation has made in supporting pre-health learning innovations. Building their resilience will be the key to moving under-resourced communities forward. We will deliver more young adults into health careers and other STEM professions only by demanding excellence and helping them achieve it.

The crisis of contagion won't last forever, but the crisis in STEM careers will take years to subside. The work we do now will have forever-lasting impacts. Your financial support and engagement in CPASS activities support the doctors, nurses, public health scientists, programmers, and researchers of the future. On behalf of the CPASS Board of Directors, I applaud your continued commitment to our youth and our community.

ERIC E. WHITAKER, MD, MPH



## JAYE

### FUTURE BOTANIST OR SCHOOL PRINCIPAL

Mini Medical School at Rush University Medical Center

**Jaye** is a 5th grader who participated in the Mini Medical School at Rush this past summer.

She talks about how interesting it was to learn about bones and be able to identify the fibula when her sister injured herself.

Now she knows how to wrap a twisted ankle, and her mom is confident she will put that skill to good use!

## HER TAKE:



### NEW VOCABULARY

- Avioli
- Bronchioli



### MESSAGE TO OTHERS

“Mini Med is where you can learn about you, how you function, and how others function.”



### ABOUT THE PROGRAM

“The counselors are really great, and they help you learn.”





## CARMELITA

### FUTURE ACCOUNTANT AND LAWYER

Mini Medical School at Rush University Medical Center

**Carmelita** is a 5th grader who participated in the Mini Medical School at Rush this past summer.

Math is her favorite subject, but she was happy to learn about anatomy and read the "Body Book."

Her favorite activity was building a skeleton from the parts that were provided by the program.

## HER TAKE:



### NEW VOCABULARY

- Pelvis
- Bronchioles



### MESSAGE TO OTHERS

"It's a nice program and you get to learn about your body."



### ABOUT THE PROGRAM

"The teachers really help you learn."



## INI-OBONG

### UNDECIDED CAREER PATH

SMASH Illinois

**Ini-Obong** is a 10th Grader in Carbondale, IL and this is her first year in the SMASH Illinois Program.

She is excited about being able to stay on a college campus next summer.

This past year, SMASH Illinois allowed her to meet new people, gain a sense of community, and explore coding as a potential career option.

## HER TAKE:



### MESSAGE TO OTHERS

“Talk to other people about their experience.

Be available and flexible. If you don’t have the skills, you will develop them.

STEM is not just tech. Do the research and see what they have to offer.

Prepare for college.

Everyone is learning together.”



### ABOUT THE PROGRAM

“The adults inspire young people.”



## DASIA

### FUTURE COMPUTER/SOFTWARE ENGINEER

SMASH Illinois

**Dasia** is an 11th grader who is in her second year of SMASH Illinois from her home in Chicago.

She realizes that SMASH is not extra schoolwork; it's about her career. Her sister is in a similar but separate program, and Dasia knows she's the lucky one.

In addition, Dasia is determined to attend a Historically Black College or University (HBCU).

## HER TAKE:



### NEW MANTRA

"Fix your crown!"



### MESSAGE TO OTHERS

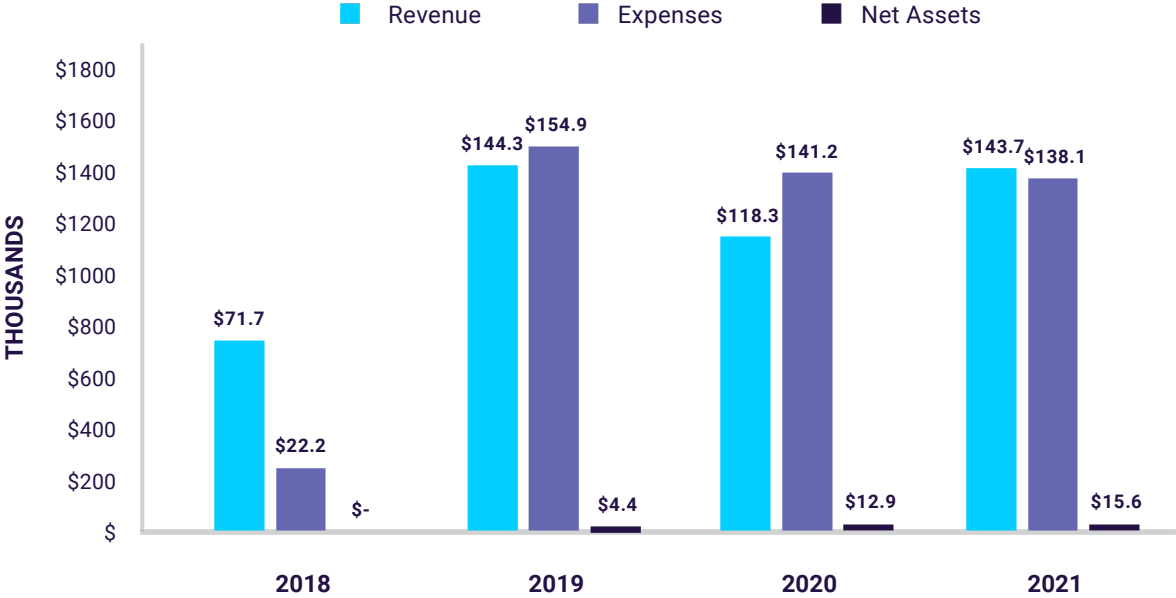
"Take a chance on SMASH. It will help you set up your future and you won't have to worry about what to do after high school."



### ABOUT THE PROGRAM

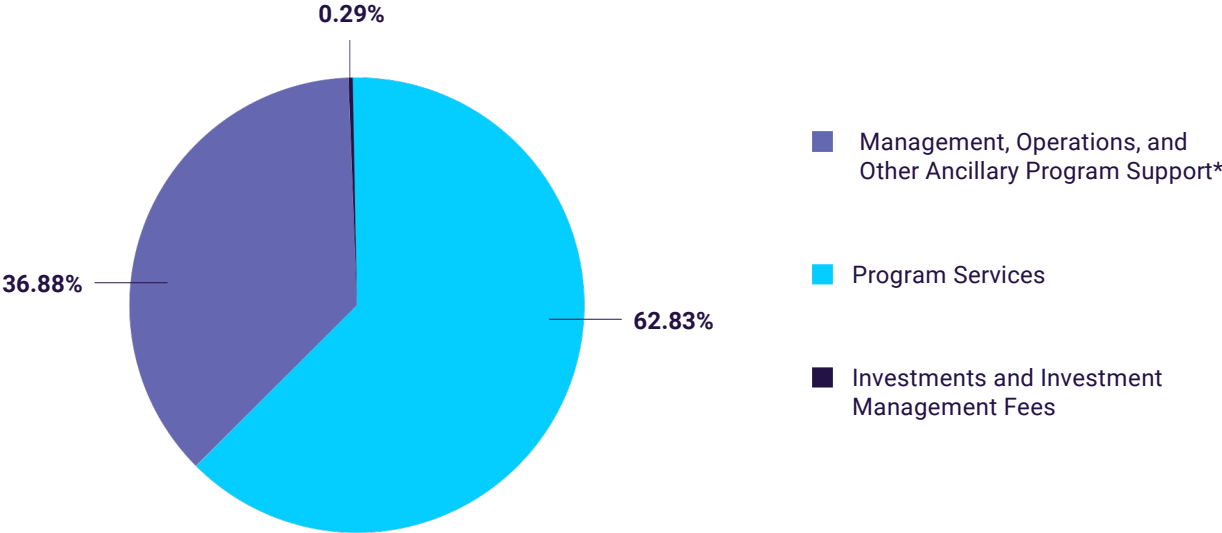
"SMASH is my social outlet. It will take me wherever I want to go in my career."

# FINANCIAL STATISTICS



# EXPENSES BY PERCENTAGE

## PERCENTAGE



\* i.e., STEM online searchable database administration

# MEET OUR BOARD OF DIRECTORS

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**ERIC WHITAKER, MD, MPH**

CHAIRMAN OF THE BOARD



**TERRY MASON, MD, FACS**

SECRETARY AND DIRECTOR



**WILLIAM A. MCDADE, MD, PHD**

TREASURER AND DIRECTOR



**LAURA LUCERNO, MD**

DIRECTOR

# OUR PROGRAMS

The CPASS Foundation restarted the Chicago Area Health and Medical Careers Program (CAHMCP pronounced “Champs”) to offer today’s students professional support in their path to medical school. CPASS Foundation offers summer and school-year enrichment programs, as well as internships. It is the engine behind the programs listed below.

## COMING IN 2022: MINI MEDICAL SCHOOL @ ROSALIND FRANKLIN UNIVERSITY



This program was originated at Rush University Medical Center, and the success of the program allows CPASS to expand to Rosalind Franklin University beginning during the winter of 2022. It is through the generosity of our funders and supporters that this dream can become a reality.

## MINI MEDICAL SCHOOL @ RUSH



Based at Rush University Medical Center, this free program lets fourth- and fifth-grade students learn about healthcare careers in a fun, hands-on way.

## STEAM CAMP @ GSU



Governors State University hosts STEAM Camp to introduce students aged 11 to 16 to current topics in science, the arts, career development and life on a dynamic and modern college campus.

## CAHMCP PROGRAM @ CHICAGO STATE UNIVERSITY AND @ ROSALIND FRANKLIN UNIVERSITY



CAHMCP is designed to meet the educational needs of students preparing for admittance to medical or health professions school. CPASS Foundation Program Directors are available to assist students in analyzing their aptitude as they make decisions about their future.

### SMASH ILLINOIS



SMASH Illinois is a free three year STEM intensive residential college prep program for underrepresented high school students of color from the Chicago Metropolitan Area, Carbondale, and the East St. Louis Metro Area.

### MAPSCORPS



High school students in MAPSCorps use smartphones to produce high quality data that will improve healthcare and wellbeing in their community.

# MEET OUR PROGRAM DIRECTORS

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**KEITH BOYD, MD**

PROGRAM DIRECTOR, MINI MEDICAL SCHOOL AT RUSH



**LUKE HELM**

PROGRAM DIRECTOR, STEAM CAMP AT GOVERNORS STATE UNIVERSITY



**PAIGE MINETT**

PROGRAM DIRECTOR, SMASH ILLINOIS



**TRACIE SCREVEN**

MIDWEST REGIONAL DIRECTOR, SMASH USA



**NIA ABDULLAH, EDD**

PROGRAM DIRECTOR, MAPSCORPS



**MELVIN DANIELS, PHD**

PROGRAM DIRECTOR, PRE MEDICINE PROGRAM AT CHICAGO STATE UNIVERSITY



**MILDRED G. OLIVIER, MD**

PROGRAM DIRECTOR, PRE MATRICULATION PROGRAM AT ROSALIND FRANKLIN UNIVERSITY





## ILLINOIS STEM / STEAM PROGRAM SEARCH TOOL

**Search [here](#) for a virtual or in-person STEM/STEAM program, class, activity or camp for your student today!**

Our customized database is organized by virtual or in-person program, activity, afterschool program, course and keyword for students in Chicago and throughout Illinois. Are you affiliated with a STEM/STEAM program? [Apply here](#) to be included in our database.

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**CPASS  
FOUNDATION**



### ADDRESS

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### WEB & EMAIL

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**YOUR DONATION MAKES THE DIFFERENCE**

**THANK YOU!**

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NOW:**



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