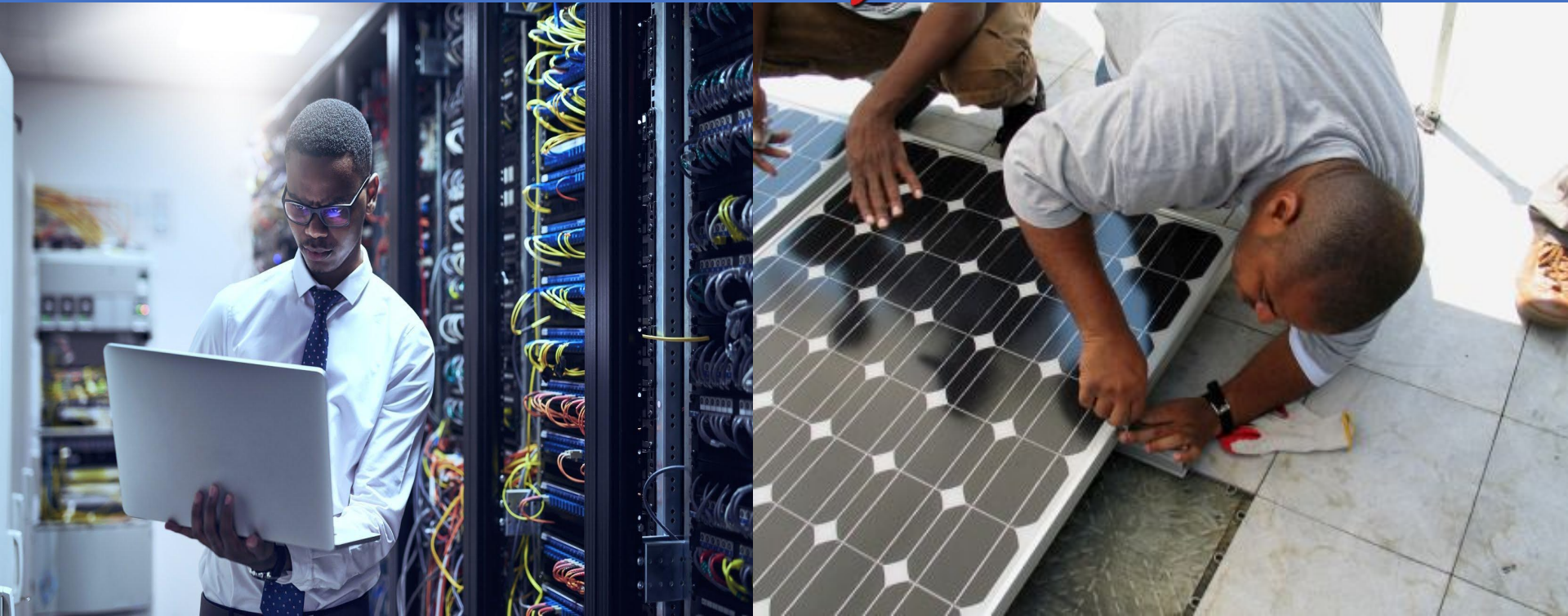# CYBER & CONSTRUCTION TRAINING REENTRY BOOTCAMP

OVERVIEW

STEM4US! is convinced we can address the cyber and construction workforce shortages and reduce violence by providing training, mentoring, and placement of currently incarcerated young adults in good paying cyber and construction jobs.

CHALLENGES & OPPORTUNITIES

- Starting salaries for cyber and electrical construction jobs are $50,000 - $100,000
- Demand in these sectors is expected to grow in next decade
- These jobs don't require a college degree

FORMAT

- Classes 5 times/week
- Class Times: 9 AM - 5 PM (hour for in-class lunch, lecture)
- Length: 16 weeks
- Classes monitored by guards

TRAINING TRACKS

- IT Network Technician
- Basic Electrical, Solar Panel, EV System Installation Technician

PROGRAM BENEFITS

- Live instruction to prepare students for certification exams
- Mental Health, Soft-Skills Coaching
- Yoga, Fitness, Wellness Sessions
- Parent, Family Support, Coaching
- Job Placement Counseling

PROGRAM BENEFITS (Cont.)

- Training within incarceration facilities
- Post Release, Job Placement Mentoring
- Increase supply of IT and Construction workers for Employers

METRICS

- Training Hours: 640
- 16 Students per cohort
- 2 Cohorts per year
- Job Placement Target: 100%
- Graduation Target: 90%

STATES FOR DEMONSTRATION PROJECTS

Washington, DC	Maryland
Tennessee	Virginia
Michigan	Minnesota

TARGET SECTORS FOR PLACING WORKERS

- Government: Federal, State, Local
- Energy (Electric, Gas, Oil, Etc)
- Telecommunications
- Aviation
- Health
- Finance

LAUNCH YEAR BUDGET

1. Development Consultants $150,000.00
2. Program Administrator $120,000.00
3. Administrative Assistant $ 72,000.00
4. Legal $ 60,000.00
5. Accounting & Payroll $ 12,000.00
6. Employer Engagement Coordinator $ 60,000.00

LAUNCH YEAR BUDGET (cont.)

7. Cyber & Construction Instructor $ 72,000.00
8. Mental Health Coach, Mentor $ 72,000.00
9. Job Counseling & Trainers $162,000.00
10. Family Engagement, Counselors $ 54,000.00
11. Yoga Instructor $ 4,800.00
12. Career Enhancement Speakers $ 4,800.00
13. Cyber Software, Hardware $ 16,000.00
14. Construction Simulators, Equip. $ 80,000.00

LAUNCH YEAR BUDGET (cont.)

15.	Cyber & Construction Instructor	$ 72,000.00
16.	Mental Health Coach, Mentor	$ 72,000.00
17.	Job Counseling & Trainers	$162,000.00
18.	Family Engagement, Counselors	$ 54,000.00
19.	Yoga Instructor	$ 4,800.00
20.	Career Enhancement Speakers	$ 4,800.00
21.	Cyber Software, Hardware	$ 16,000.00
22.	Construction Simulators, Equip.	$ 80,000.00

LAUNCH YEAR BUDGET (cont.)

23. Student Incentives $ 12,800.00

24. Additional Security $ 76,800.00

25. Classroom Renovation, Construction $1,500,000.00

26. Miscellaneous $ 126,460.00

Total Launch Year $2,655,660.00

Annual Cost Post Year 1 $826,400.00

COMPARISONS

- Cost per Student for 1st Cohort $ 165,978
- Cost per Student After Year 1 $ 25,825
- Annual Cost of Incarceration $ 60,360
- Average cost of violent robberies $ 75,000
- Average Cost of IT Boot Camp $ 40,752
- DCIA Per Student Cost Year 1 $ 648,529

POTENTIAL EMPLOYERS

- Department of Justice
- Federal Energy Regulatory Commission
- Department of Homeland Security
- Pepco
- Verizon

STEM4US!

ORGANIZATION BACKGROUND

STEM4US! MISSION

To increase ranks and diversity of the nation's Cyber, STEM workforce by providing training, mentoring, and advocacy support to students, educators, parents, and cyber and STEM professionals.

STEM4US! HISTORY

- In December 2012, the White House set a goal to create 1 million STEM workers by 2022
- In January 2013, STEM4US! was launched to assist with this goal.

STEM4US! HISTORY

- In September 2014, hosted the first Congressional Black Caucus Week Conference Tech Festival
- In 2019, STEM4US! hosted first Cyber Education Advocacy Day with Congressional, Fed. Agency leaders

STEM4US! HISTORY

- In Spring of 2020, STEM4US! launched online youth Hackathon
- In 2021, STEM4US! began studying ways of addressing rising youth violence with cyber skills training, mentoring

STEM4US! HISTORY

- In 2023, STEM4US! completed its study of ways to reduce violence using cyber training, this resulted in the development of its Cyber, Construction Reentry Training Program.

GOVERNANCE

- **Status:** STEM4US! is a nationally recognized non-for profit charitable 501(c)(3) organization
- **Board of Directors:** STEM4US! is managed by a board of cyber, and other STEM professionals

STEM4US! PAST PARTNERS

- African Housing Equity Fund
- American Assn of Blacks in Energy
- Abe Legal
- Davis Dance Studio
- Memphis City Council Member Martavious Jones
- Kappa Alpha Psi Fraternity, Inc. Eastern Province
- Kappa Alpha Psi Fraternity, Inc. Hyattsville/Landover (MD) Alumni Chapter
- Fatima Iqbal-Zubair
- Perry Paylor, Deputy State's Attorney for Prince George's County
- Nat. Coalition on Black Civic Participation

STEM4US! PAST PARTNERS

- Cyber Training Group International
- Pepco
- Verizon
- Brooks & Associates Global Learning Services
- The McCain Group
- Mission 2 Change
- Col. Walter Ingram
- Stan Bennett
- Tiffany Hubb
- Hussein Abdullah, Former NFL Player
- Daryl Horton
- Jesse Wimbish
- Margret Tyus
- Andrew Holloway
- Ernest Stewart
- Jeffory Harrison
- James Kerr
- Dr. Nicole Cranston
- Tiffany Saleem
- Ameenah Karim
- Tommie Thompson
- Kameran Evans
- TortchAI