

UMBC Upward Bound Math & Science

**Summer Academic Program
Parent/Student Orientation
June 10, 2023**

TRiO
UPWARD BOUND MATH-SCIENCE



Agenda

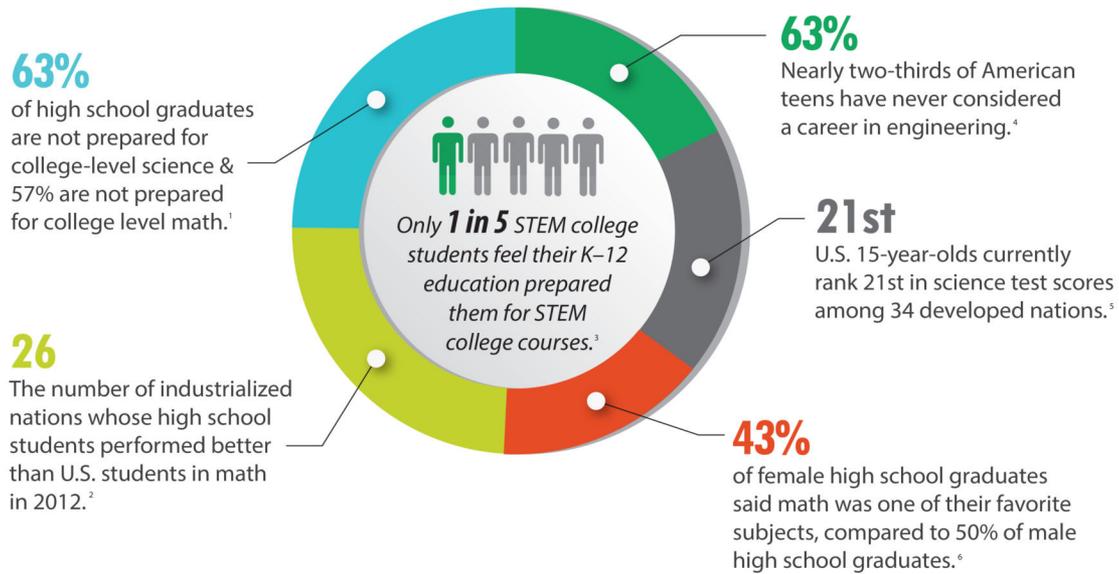
- Introduction
- Program Objectives
- Eligibility Criteria
- Summer Enrichment Program
 - Curriculum
 - Schedules
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- Review of Handbook
- Evaluation of Progress and Achievement
- Academic Year Program
- Technology Initiatives
- Conclusion

Mission Statement

**Prepare income eligible students, who
aspire to be first generation college
graduates, for academic programs that
lead to careers in the fields of
mathematics and science.**

STEM Education

The State of American Youth



Sources:

1. ACT The Condition of College & Career Readiness, 2014
<http://www.act.org/research/policymakers/cccr14/pdf/CCCR14-NationalReadinessppt.pdf>
2. <http://nces.ed.gov/surveys/ipeds/ipeds2012/index.asp>
3. Harris Interactive Study: STEM Perceptions: Student & Parent Study commissioned by Microsoft 2011
4. Penn Schoen and Berland (PSB)
5. OECD PISA Assessment, 2012
6. National Center for Education Statistics, U.S. Department of Education, 2015

The STEM Workforce

The State of America's Workforce



UNITED STATES
40%

of U.S. companies report difficulty in filling positions because of a lack of STEM skills.¹

INTERNATIONAL
\$2.5 Trillion

The U.S. would gain an extra \$2.5 trillion in Gross Domestic Product between now and 2050 if its students scored at the international average on math and science tests.²

27%

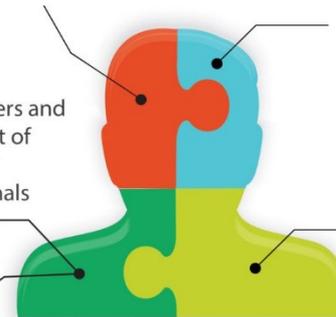
of the new high-skills jobs related to agriculture that will be created in the next five years will require a STEM education.³

86%

of engineers and 74 percent of computer professionals are men.⁴

14%

of the engineering workforce is made up of women.⁴



21%

STEM employees earn 21% more than individuals in non-STEM fields.⁵

10%

Underrepresented minorities hold only 10% of science and engineering jobs despite making up over a quarter of the U.S. population age 21 and older.⁶

Sources:

1. Brookings Institution, Still Searching: Job Vacancies and STEM Skills, 2014
2. Washington Center for Equitable Growth, January 2015
3. <https://www.purdue.edu/usda/employment/wp-content/uploads/2015/04/2-Page-USDA-Employ.pdf>
4. CTEq analysis of U.S. Census Bureau report on STEM college graduates, 2014
5. Brookings Institution, Still Searching: Job Vacancies and STEM Skills, 2014
6. National Science Foundation, Science & Engineering Indicators, 2013

Program Objectives

1. Academic Performance (GPA)

- **65%** of participants served during the project year will have a cumulative GPA of 2.5 or better on a four-point scale at the end of the school year.
- **73% (REPORT CARDS & TRANSCRIPTS)**

Program Objectives

2. Academic Performance (Standardized Test Scores)

- **30%** of UBMS seniors served during the project year, will have achieved at the proficient level on the state assessments in reading/language arts and math.
- **100%**

Program Objectives

3. Secondary School Retention and Graduation (With Regular Secondary School Diploma)

- **90%** of UBMS project participants served during the project year will continue in school for the next academic year, at the next grade level, or will have graduated from secondary school with a regular secondary school diploma.
- **95%**

Program Objectives

4. Secondary School Graduation (Rigorous Secondary School Program of Study)
 - **80%** of all current and prior UBMS participants, who at the time of entrance into the project had and expected high school graduation date in the school year, will complete a rigorous secondary school program of study and graduate in that school year with a regular secondary school diploma.
 - **100%**

Program Objectives

5. Postsecondary Enrollment

- **75%** of all current and prior UBMS participants, who at the time of entrance into the project had an expected high school graduation date in the school year, will enroll in a program of postsecondary education by the fall term immediately following high school graduation or will have received notification, by the fall term immediately following high school, from an institution of higher education, of acceptance but deferred enrollment until the next academic semester (e.g. spring semester).
- **68%**

Where are They Now?

Class of 2022

In State

- CCBC
- Coppin State U.
- Howard C.C.
- Morgan State U.
- Towson U.
- Stevenson U.
- UMBC

Out of State

- Clark Atlanta U.
- Howard U.
- North Carolina State U.

Program Objectives

6. Postsecondary Completion

- **60%** of UBMS participants who enrolled in a program of postsecondary education, by the fall term immediately following high school graduation or by the next academic term (e.g., spring term) as a result of acceptance by deferred enrollment, will attain either an associate's or bachelor's degree within six years following graduation from high school.
- **50%**

Eligibility Criteria

- Must attend one of the target schools.
- Must have an interest in math and science
- Should have a grade point average of 2.7 or better
- Must have income eligible status, and/or first-generation college status

UMBC Target Schools - BCPS

- Milford Mill High School
- New Town High School
- Parkville High School
- Woodlawn High School

Components

- Summer Academic Program
 - A six-week Academic program
- Academic Year Instructional Program
 - Biweekly Saturday Program

Summer Academic Program

- COMMUTING Program June 26th – July 28th
- Monday Morning – Friday afternoon
- 5 weeks of academic programming
- College Tour July 31st – August 4th (*tentatively*)

Daily Schedule

- 8:00 – 8:45 Breakfast & Check-in
- 9:00 – 11:50 Morning classes
- 12:05 – 12:45 Lunch
- 1:00 – 3:50 Afternoon classes
- 3:50 – 4:00 Check out
- 4:00 – Buses Depart

Morning Bus Schedule

	Bus 1 - UBMS			Bus 2 - CUB		
	Stop #	Stop	Time	Stop #	Stop	Time
Morning	1	Franklin HS 12000 Reisterstown Rd, Reisterstown, MD	7:00	1	Parkville HS 2600 Putty Hill Ave, Baltimore, MD	6:50
	2	New Town HS 4931 New Town Blvd, Owings Mills, MD	7:11	2	Overlea HS 5401 Kenwood Ave, Baltimore, MD	7:01
	3	Randallstown HS 4000 Offutt Rd, Randallstown, MD	7:21	3	CCBC - Essex 7201 Rossville Blvd, Baltimore, MD	7:08
	4	Milford Mill Academy 3800 Washington Ave, Windsor Mill, MD	7:32	4	Middle River MS 800 Middle River Rd, Baltimore, MD	7:16
	5	Woodlawn HS 1801 Woodlawn Dr, Gwynn Oak, MD	7:44	5	Deep Creek ES 1101 E Homberg Ave, Baltimore, MD	7:26
	6	UMBC	7:58	6	Deep Creek MS 1000 S Marlyn Ave, Essex, MD	7:32
				7	UMBC	8:00

Afternoon Bus Schedule

Afternoon

Bus 1 - UBMS			Bus 2 - CUB		
Stop #	Stop	Time	Stop #	Stop	Time
1	UMBC	4:00	1	UMBC	<u>4:00</u>
2	Woodlawn HS	4:14	2	Deep Creek MS	4:28
	1801 Woodlawn Dr, Gwynn Oak, MD			1000 S Marlyn Ave, Essex, MD	
3	Milford Mill Academy	4:26	3	Deep Creek ES	4:34
	3800 Washington Ave, Windsor Mill, MD			1101 E Homberg Ave, Baltimore, MD	
4	Randallstown HS	4:37	4	Middle River MS	4:44
	4000 Offutt Rd, Randallstown, MD			800 Middle River Rd, Baltimore, MD	
5	New Town HS	4:47	5	CCBC - Essex	4:52
	4931 New Town Blvd, Owings Mills, MD			7201 Rossville Blvd, Baltimore, MD	
6	Franklin HS	4:58	6	Overlea HS	4:59
	12000 Reisterstown Rd, Reisterstown, MD			5401 Kenwood Ave, Baltimore, MD	
			7	Parkville HS	5:10
				2600 Putty Hill Ave, Baltimore, MD	

Field Trips – Fun Fridays TBD

- Smithsonian
- Topgolf
- Beat the Bomb
- iFly
- Autobahn



Summer Technology Requirements

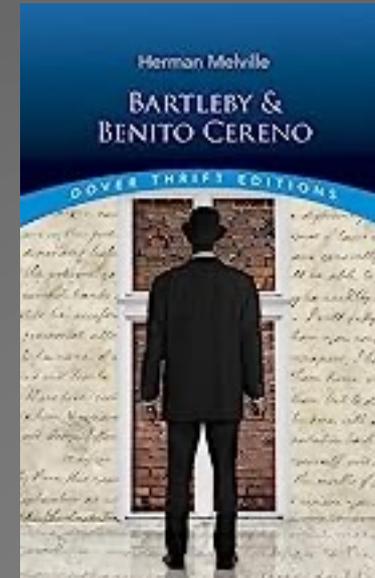
- We will be using Blackboard for our online instruction
 - Coach Classes
 - Assignments and materials
 - Exams and Quizzes
- You will need to use your UMBC ID and email to log in to computer labs
- ALL communication will be through your UMBC email address

Summer Staff

- **Academic Advisor**
 - Aaron Jones
- **Counselors**
 - Nancy Agbonkhese (UBMS Alum)
 - Peace Ezeka (UBMS Alum)
 - A'nya Jackson (UBMS Alum)
 - Chidozie Uzoma (UBMS Alum)

Summer Residential Program Curriculum

- English
 - Composition 1 & 2
 - Reading Comprehension
 - Advanced Writing 1 & 2
 - Literature
- Math (varies by grade)
- Science (varies by grade)
- Academic Skills Development
- Spanish
- Black History



Summer Instructors

- TBD – Building an Academic Mindset, College Prep
- Cherre Jefferson – Algebra II, Calculus, Precalculus
- Angela Fields – Algebra I, Geometry
- Lesean Robinson – Composition 1 & 2, Reading Comprehension
- Dr. Marc Standish –Advanced Writing 1 & 2, Literature
- Jacqueline Strange – Biology, Chemistry, Earth Science, Physics
- Andrew Dawes – Black History & Culture
- William Figueroa – Spanish

Khan Academy

- Academic Support for all courses:
 - Math, Science & Engineering, Arts & Humanities, Economics, Computer Science
- Only official online partner with College Board
 - PSAT and SAT preparation materials
- Parents can monitor progress and activities
- Can use all year not just with us
- Online and iOS and Android App.

Stipend

- The in-person stipends of \$90 for the summer.
- Students **MUST PASS ALL CLASSES** (C or better) in order to be eligible for the stipend.
- Failure to participate in all required activities may reduce your stipend.

Expectations for Students

- SHOW UP FOR ALL REQUIRED SESSIONS
- BE ON TIME
- Maintain a B or better grade point average
- **Follow all university and program rules, regulations, policies, and procedures as stated in the Program Handbook**
- Seek assistance when necessary
- Complete all assignments on time, accurately and neatly
- Be an active participant
- Be open to new ideas and experiences

To be early is to be on time
To be on time is to be late
To be late is UNACCEPTABLE!

--Mantra
Morehouse College

Expectations for Parents

- Ensure that your students follow all University and program rules, regulations, policies, and procedures as stated in the Program Handbook
- Let us know if there are issues with technology or access ASAP.
- Seek counsel when necessary
- Submit updated records as required (test scores, report cards, schedules, etc...)
- Be an active participant
- Be open to new ideas and experiences

Support YOUR Students!

Mid-Summer Review

- At the end of week three, each student's conduct will be reviewed to determine continued participation.
- Parents will be notified after each program week if their student is failing to meet program expectations.
- Metrics for assessment:
 - Academic
 - Students must maintain a grade of "C" or better in all classes
 - Students must complete and submit all assignments
 - Behavior
 - Participation in program activities
 - Adherence to program policies
 - Respectful interaction with other participants and program staff

Mid-Summer Review

- Review Outcomes
 - Good Standing
 - Probation
 - Students have a follow up review weeks(s) 4 & 5 (if needed)
 - Any student still on probation after week 5 will:
 - not receive a stipend for the summer
 - Dismissal
 - Students who are dismissed are still UBMS participants and are expected to participate in the academic year program.
 - Students who are dismissed from the SRP will not receive a stipend.

Evaluation of Progress and Achievement

- Summer Program
 - Progress Reports (updated weekly)
 - Final Transcript
- Academic Year
 - Transcripts, Test scores, and IDPs
 - Communication with guidance counselors and advocates at the schools

Summer Paperwork

<https://ubms.umbc.edu/>

Summer Paperwork

- Bottom Line Agreement
- Consent for Publication
- UBMS Program Waiver
- Consent to Administer Medicine
- Updated Contact Information Sheet (if info has changed)
- BCPS Transcript Release Waiver
- W9 (New Students ONLY)

Program Handbook Review

- Dress Code Guidelines
- Supplies
- Bottom-Line Agreement



DRESS CODE GUIDELINES

The following dress code guidelines apply to all participants (staff and students) in the Upward Bound Mathematics and Science Program.

1. Wednesday is **BUSINESS DRESS DAY**. All students and staff are expected to wear business attire.
(Males: shirt and tie, dress pants, or suit)
(Females: dress, skirt/slacks and blouse, or suit)
2. **NO** bare midriffs.
3. **NO** off-the-shoulder shirts/blouses.
4. **NO** see-through material.
5. **NO** clothing which exposes the torso or upper thighs.
6. **NO** tight fitting pants and/or shirts/blouses.
7. **NO** low-rise pants.
8. **NO** low-cut blouses.
9. **NO** head coverings during campus-class time (except for religious reasons).
Exception: Head coverings are a requirement when visiting environmental sites and performing scientific investigations outdoors.
10. **NO** thongs (flip-flops) outside of the dorm for safety reasons. Construction on campus poses many safety hazards for feet if they are not properly covered.
11. **ALL** skirts or shorts must be mid-thigh length or longer.

BOTTOM-LINE AGREEMENT

(Infractions may result in dismissal from the program)

I agree to abide by all rules of the UMBC Upward Bound Program and will following these essential regulations while attending the UMBC Upward Bound program:

1. I agree not to bring, possess, sell or consume ALCOHOL.
2. I agree not to bring, possess, or consume any substance not prescribed by my doctor. I also agree not to sell any DRUG, medication or substance.
3. I agree not to POSSESS, SMOKE or CHEW tobacco products.
4. I agree not to PHYSICALLY ASSAULT, VERBALLY ABUSE or SEXUALLY HARASS anyone.
5. I agree not to engage in SEXUAL ACTIVITY.
6. I understand that males are not allowed on the females' floor and females are not allowed on the males' floor without a staff escort.
7. I agree not to VANDALIZE or STEAL UMBC, the Upward Bound Program or anyone's property.
8. I agree not to CHEAT or PLAGIARIZE (steal another's work).
9. I agree not to bring, possess or use WEAPONS or engage in TERRORISTIC THREATENING.
10. I agree not to GAMBLE.
11. I agree not to bring, possess or use FIREWORKS.
12. I agree not to prop open doors because it is a FIRE HAZARD.

Confirmed Students

Complete

Name/First	Name/Last
Joseph	Ayala
Elijah	Bowles
India	Brooks
Tiffany	Chuks-Okpara
Germaine	Essen
Kaïla	Farthing
Nigel	Frederick
Kayla	Hughes
Praise	Ismail
Taylor	Lynch
John	Marroquin
Aaron	Ogabo
Fade	Ojo
Favour	Okodua-Oboh
Praise	Omokayode
Jasmine	Renfro
Kamarah	Riggins-Tigney
Taylin	Smoot
Gervise	Ssekuwanda
Kamori	White-Hill

Incomplete

Name/First	Name/Last
Racheal	Adewumi
William	Brown
Jairus	Coates
Joan	Oruitemeka

Academic Year Activities

What we have been doing...

- Academic Classes
- Curriculum Support and tutoring
- Field Trips
- College tours
- Social/Recreational Activities

How do we make this more effective?

What are your:

- Needs
- Issues
- Goals

Connect with us

- Website
 - www.ubms.umbc.edu
- Email Listservs
 - Moderated
 - All Students - ubms.students-group@umbc.edu
 - Seniors - ubms.seniors-group@umbc.edu
 - Open (to all list subscribers)
 - Parents - ubms.parents-group@umbc.edu



Group Page – UBMS@UMBC



@UBMSUMBC

Parent Association

- Volunteer only
- Types of functions
 - Communication
 - Fundraising
 - Transportation
 - Chaperoning
 - Volunteering in the Program Office
 - Identifying and sharing value-added activities
 - Parent's University

Volunteers?

Conclusion

Contact Information

Telephone: 410-455-3677
Toll Free 1-800-353-8622 (selection #8)
Fax: 410-455-1183

Director:
Sundiata Jangha
(c) 410-262-4255
sjangha@umbc.edu

Send mail to:

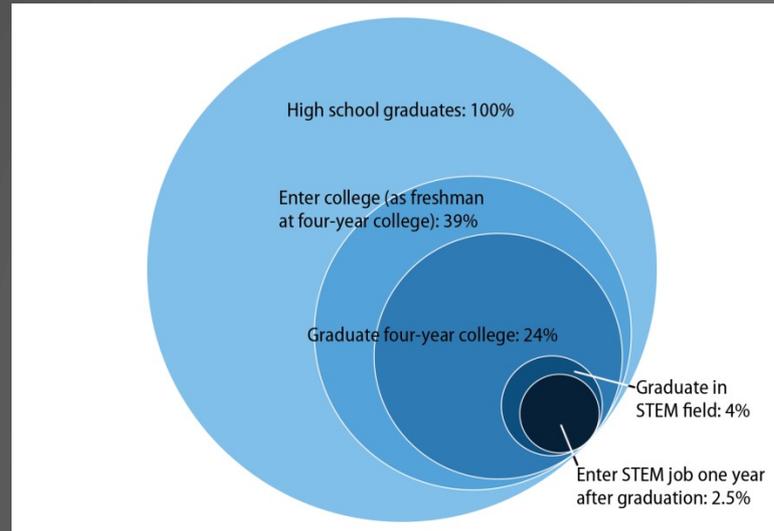
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HS \rightarrow College in the U.S.



S.T.E.M. College Data

