

Program Overview

Welcome To
32nd Annual
Meyerhoff
Scholarship
Selection
Weekend



“Not enough scientists, engineers and mathematicians are currently being educated in the U.S. ... Our society benefits from having the best brains working on the toughest problems. This means keeping students interested in STEM subjects, training more STEM-proficient teachers, producing more scientists and engineers and helping all of our citizens to be STEM-literate.”

“Lesson of a falling satellite” By Meg Urry, Special to CNN
updated 11:34 AM EST, Fri September 23, 2011

Our mission is to significantly increase the number of U.S. research scientists and engineers who go on to earn Science, Technology, Engineering, and Mathematics (STEM) Ph.D.'s in the U.S.

1. Provide the necessary academic advising, social and moral support, encouragement, and enrichment experiences that enable a diverse group of undergraduate students to succeed in STEM fields
2. Prepare students for terminal degrees in these areas
3. Prepare them to address and combat the underrepresentation in the STEM fields

Meyerhoff/MARC U*STAR Staff and Scholars Fall 2015



Photo courtesy of Tolu Omokehinde

- **Recruit top math and science students interested in doing research and coursework in STEM fields**
- **Consider:**
 - Performance in math and science courses
 - SAT Scores
 - High School GPA
 - References from science or math instructors
 - Prior research experience
 - Interest and commitment to research and graduate study in the sciences
 - Desire to contribute to their community
 - Motivation, Adaptability, Coachability
 - Sync with Meyerhoff mission

By The Numbers

- To date, the program has supported over 1,500 students, 245 of whom are currently undergraduates. We have graduated over 1,300 students
- 93% of Meyerhoff graduates earned science or engineering bachelor's degrees
- Graduate/Professional Programs (as of February 2020)

Graduate/Professional Program	Ph.D. (including MD/Ph.D., DDS/Ph.D., and DVM/Ph.D.)	MD/Ph.D.	MS
Meyerhoff Graduate Degrees Earned	314	59	256

- 214 Ph.D. and 37 MD/Ph.D. candidates in the pipeline for 2020 defense
- UMBC has become the nation's leading predominantly white baccalaureate-origin institution for producing African American bachelor degree graduates who go on to complete Ph.D.'s in the natural sciences and engineering

Freeman A. Hrabowski III and Peter H. Henderson, "Challenging US Research Universities and Funders to Increase Diversity in the Research Community," *Issues in Science and Technology*, Vol. XXXV, no. 2 (Winter 2019). <https://issues.org/challenging-us-research-universities>

Table 1. TOP 30 US BACCALAUREATE-ORIGIN INSTITUTIONS OF 2007-16 BLACK SCIENCE AND ENGINEERING* DOCTORATE RECIPIENTS, BY INSTITUTIONAL CONTROL, 2010 CARNEGIE CLASSIFICATION, AND HBCU STATUS

RANK	BACCALAUREATE INSTITUTION	INSTITUTIONAL CONTROL	2010 CARNEGIE CLASSIFICATION	HSI STATUS	2007-16 BLACK S&E DOCTORATE RECIPIENTS
	All black S&E doctorate recipients	na	na	na	7,206
	From US institutions	na	na	na	6,104
	From foreign institutions	na	na	na	905
	From unreported institutions	na	na	na	197
1	Howard U.	Private	Research-high	Yes	130
2	U. Maryland, Baltimore County	Public	Research-high	No	119
3	Florida A&M U.	Public	Doctoral/research	Yes	112
4	North Carolina Agricultural and Technical State U.	Public	Doctoral/research	Yes	108
5	Xavier U. Louisiana	Private	Baccalaureate	Yes	103
6	Spelman C.	Private	Baccalaureate	Yes	102
7	Morgan State U.	Public	Doctoral/research	Yes	85
8	Southern U. and A&M C., Baton Rouge	Public	Masters granting	Yes	78
9	Hampton U.	Private	Masters granting	Yes	75
9	U. Florida	Public	Research-very high	No	75
11	Morehouse C.	Private	Baccalaureate	Yes	69
12	U. Maryland, College Park	Public	Research-very high	No	63
13	Jackson State U.	Public	Research-high	Yes	62
13	Tuskegee U.	Private	Baccalaureate	Yes	62
15	Massachusetts Institute of Technology	Private	Research-very high	No	61
16	U. Michigan, Ann Arbor	Public	Research-very high	No	60
17	Tennessee State U.	Public	Doctoral/research	Yes	54
18	U. Illinois, Urbana-Champaign	Public	Research-very high	No	52
19	Georgia Institute of Technology	Public	Research-very high	No	49
20	U. North Carolina, Chapel Hill	Public	Research-very high	No	46
21	North Carolina State U.	Public	Research-very high	No	44
22	Alabama A&M U.	Public	Masters granting	Yes	43
23	Florida State U.	Public	Research-very high	No	42
24	Clemson U.	Public	Research-high	No	41
24	Rutgers, State U. New Jersey, New Brunswick	Public	Research-very high	No	41
24	U. Virginia, Charlottesville	Public	Research-very high	No	41
27	CUNY, City C.	Public	Masters granting	No	38
28	Cornell U.	Private	Research-very high	No	37
28	Harvard U.	Private	Research-very high	No	37
28	Prairie View A&M U.	Public	Masters granting	Yes	37

HBCU = Historically Black College or University; na = not applicable; S&E = science and engineering.

* For the purposes of this table, science and engineering includes health and excludes psychology and social sciences.

Notes: Includes only US citizens and permanent residents. Institutions with the same number of doctorate recipients are listed alphabetically.

Source: National Science Foundation, National Center for Science and Engineering Statistics, 2016 Survey of Earned Doctorates; special tabulation (October 2018).

Meyerhoff Scholars Program

Longitudinal Study Results

"Meyerhoff Scholars are twice as likely to earn a STEM BS degree as non-Meyerhoff students of all races with similar preparation and interests in STEM"

"GPAs in science, math and engineering are higher than students with similar profiles"

(Maton, et al, 2016)

Recommended reading

Freeman A. Hrabowski III, *Holding Fast to Dreams: Empowering Youth from the Civil Rights Crusade to STEM Achievement* (Boston, MA; Beacon Press, 2015).

Freeman A. Hrabowski III and Peter H. Henderson, "Toward a More Diverse Research Community: Models for Success," *Issues in Science and Technology* 33, no. 3 (Spring 2017).

<https://issues.org/toward-a-more-diverse-research-community-models-of-success/>

Kenneth Maton, Freeman A. Hrabowski, Metin Ozdemir, and Harriette Wimms, "Enhancing Representation, Retention, and Achievement of Minority Students in Higher Education: A Social Transformation Theory of Change," in *Toward Positive Youth Development: Transforming Schools and Community Programs*, Marybeth Shinn and Hirokazu Yoshikawa, eds. (New York, NY: Oxford University Press, 2008).

National Academies of Sciences, Engineering, and Medicine, *Expanding Underrepresented Minority Participation: America's Science and Technology Talent at the Crossroads* (Washington, DC: National Academies Press, 2011).

Meyerhoff Scholars Program

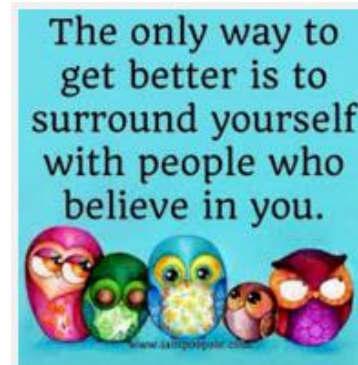
Longitudinal Study Results (con't)

- **Five most impactful program components:**
 - Being part of the Meyerhoff program community
 - Summer Bridge
 - Study groups
 - Summer research
 - Financial scholarship
- **Next seven components viewed favorably by Scholars:**
 - Academic advising
 - Personal counseling
 - Faculty involvement in the program
 - Family involvement in the program
 - Academic tutoring services
 - Community service
 - Cultural activities

(Maton et al., 2012)

Key Program Values

- Pursuit of research-based Ph.D.
- High expectations
- Commitment to excellence and outstanding academic achievement
- Personal and professional integrity
- Personal responsibility
- Accountability
- Group success/peer support/cohort cohesion
- Utilization of resources
- Mentoring
- Strong community commitment/Community Service
- Leadership
- Family Involvement



Meyerhoff Scholars Program

- **4 year merit scholarship “program”**
- **May only accept one UMBC merit award**
- **Scholars must comply with all program requirements and scholarship terms:**
 - **Maintain 3.0 cumulative GPA**
 - **Major in approved area of science, math, or engineering**
 - **Register for and successfully complete 12 credits per semester**
 - **Live in university-sponsored housing**
 - **Attend and participate in Meyerhoff sponsored programs/events/meetings**
 - **Complete Meyerhoff surveys**
 - **Complete a summer internship or take classes each summer**
 - **Successfully complete 6-week residential Summer Bridge program (6/6- 7/17/20)**
 - **Complete applications for summer research opportunities, graduate, and professional schools**
 - **Report changes in registration or enrollment**
 - **Report all financial aid and private scholarships**



Scholars Receive

- **Financial support**
 - Renewable scholarship support (off-campus work discouraged)
- **Academic support**
 - Ongoing monitoring, advising, and feedback
 - Knowledge and skills development
 - Assessment of and assistance in identifying strengths, weaknesses, opportunities and working through alternative plans of action
 - Assistance in identifying and applying for high quality hands-on STEM research and academic experiences
 - Assistance in identifying and preparing for graduate school
 - Mentoring relationships
 - Help students position themselves for graduate study
- **Social support**
 - A family-like social and academic support system
 - Support, encouragement, and personal counseling from peers and staff
 - Assessment of and assistance in preventing or limiting the influence of emerging academic or personal problems
 - Referrals, as appropriate

How much might my child's Meyerhoff scholarship be?

Awards range from \$20,000 - \$88,000 for four years

- **Meyerhoff Fellow:**

- In-state: \$ 5,000 per year
- Out-of-state: \$10,000 per year

- **Distinguished Scholar:**

- In-state: \$10,000 per year
- Out-of-state: \$15,000 per year

- **Top Dollar/Premier Scholar:**

- In-state: \$15,000 per year
- Out-of-state: \$22,000 per year

+ All expenses paid Summer Bridge, ongoing staff support, summer internship placement assistance, development, graduate school preparation, and more!



Summer Bridge

Develop a solid academic, social, and professional foundation that will support them through their STEM careers

- Rigorous credited courses
- Non-credit workshops & seminars
- Site Visits
- Teambuilding/bonding activities
- Community Service
- Cultural Activities
- Exposure to Meyerhoff Values
- UMBC Orientation
- Advising and registration for Fall courses

-
- **Staff:**
 - Meyerhoff Staff
 - Residential Counselors
 - University and non-university instructors
 - Teacher's Assistants (TA's)

- **All Expenses Paid:**
 - Tuition/Fees
 - On-campus housing
 - Daily meals
 - Transportation
 - Materials & Supplies



2019-2020 Charges (per year)

	In-State	Non-Resident
Tuition (Full-Time)	\$ 8,704	\$ 24,338
Mandatory Fees*	\$ 3,324	\$ 3,324
Room (Residence Hall – Suites - Not including Walker Ave Apts - Single Rooms extra)	\$ 5,442 - \$7,850	\$ 5,442 - \$7,850
Board (10 meal – Flexible 14)	\$4,370 - \$5,208	\$4,370 - \$5,208
TOTAL	\$21,840 - \$25,086	\$37,454 - \$40,720

* Mandatory Fees – Technology, Athletics, Transportation, Auxiliary Facilities, University Commons, Student Activity

Subject to change in accordance with Maryland Board of Regents policies

2020-2021 rates are not yet available (tuition increase likely)

Visit <http://sbs.umbc.edu/tuition-info/> for latest rates

2019-2020 Budget/Cost of Attendance (per year) Dependent – Living in Dorm

	In-State	Out-of State
Tuition/Mandatory Fees	\$ 12,028	\$27,662
Avg. Room/Board	<u>\$ 12,350</u>	<u>\$12,350</u>
SUBTOTAL	\$24,378	\$ 40,012
Books	\$ 1,600	\$ 1,600
Transportation	\$ 1,430	\$ 1,430
Other Personal Expenses	<u>\$ 1,622</u>	<u>\$ 1,622</u>
SUBTOTAL	\$29,030	\$44,664
Direct Loan Fee (optional)	\$ 72	\$ 72
PLUS Loan Fee (optional)	\$ 684	\$ 684
TOTAL	\$29,786	\$45,420

Used to determine eligibility for financial aid awards/overawards.

Subject to change in accordance with Maryland Board of Regents policies.

What about the other costs?

- Families will be responsible for payment of:
 - Application Fee* \$ 50
 - Enrollment Fee* \$200
 - Orientation fee* \$225
 - Matriculation fee* \$100
 - Housing deposit - \$200
 - Course materials fees (selected courses – refer to online schedule of classes)
 - Late Registration fees \$ 20
 - Late payment fees Percentage of past due balance
 - Returned Payment Charge \$30 plus cash only flag
 - Books, materials, and school supplies
 - Transportation
 - Other expenses
 - Charges beyond Scholarship/financial aid awards

* one time charge



Subject to change. 2020-2021 rates are not yet available.

Visit <http://sbs.umbc.edu/tuition-info/> for latest charges

Outside Scholarships

- We strongly encourage students to apply for state and federal financial aid (FAFSA) and for outside scholarships.

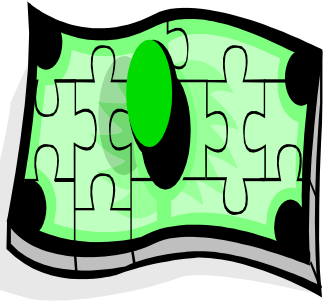
- Helps **US** stretch our scholarship dollars!

- Helps **students** fill the gap between their award and tuition, fees, room, and board charges!

- Scholars may keep financial aid/outside scholarships up to budget/cost of attendance amount for educational expenses

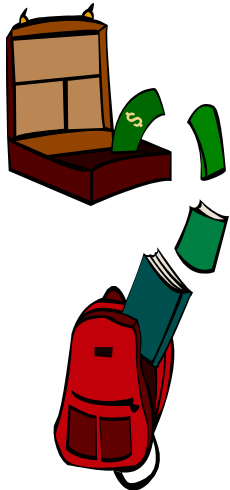
- Refunds will be disbursed automatically

- Meyerhoff Scholarship amount may be adjusted based upon the amount of outside aid and/or funding



Free Application for Federal Student Aid (FAFSA) -- www.fafsa.ed.gov/

- 2/14/20 – UMBC Priority Deadline
- 3/1/20 – Maryland Deadline
- FAFSA Forecaster -- estimate Expected Family Contribution before officially completing the FAFSA at <https://fafsa.ed.gov/spa/fafsa4c/#/landing>



Important!!!!

Identify and apply for external scholarship opportunities based on academic qualifications, interests, and other personal characteristics

Foundations, religious or community organizations, local/national businesses, unions, civic groups/organizations (including professional and social associations) related to field of interest, ethnicity-based organizations, student's employer, or parents' employers

Research early! Meet deadlines!

Financial Aid and Outside Scholarship Resources

- **CollegeBoard Online Scholarship Search**

URL: <https://bigfuture.collegeboard.org/pay-for-college>

Description: The College Board's free scholarship search utilizes a database of more than 2,300 sources of college funding totaling almost \$3 billion in scholarships and aid. Locate scholarships, loans, internships, and other financial aid programs from non-college sources that match your education level, talents, and background.

- **FASTWEB Search Engine**

URL: <http://www.fastweb.com/>

Description: Free search for over \$1.5 million local, national, and college-specific scholarships.

- **Maryland Higher Education Commission Search Engine**

URL: <http://mhec.maryland.gov/preparing/Pages/FinancialAid/descriptions.aspx>

Description: State of Maryland financial assistance programs

- **Student Aid on the Web Scholarship Search (Federal)**

URL: <https://studentaid.ed.gov/sa/types/grants-scholarships/finding-scholarships>

- **Description:** Free scholarship search for finding scholarships for which you may qualify

- **Explore Health Careers Scholarship Search**

URL: <https://www.smscholarships.com/partner/search.cfm?id=31&iframe=false>

Description: Free scholarship search for information on and links to health-related grants, loan, loan forgiveness, and scholarships

Financial Aid and Outside Scholarship Resources (continued)

- **Central Scholarship (application closes 4/3/18)**

URL: <http://www.central-scholarship.org/scholarships/undergraduate-degrees/>

Description: Helps students in Maryland realize their academic and professional goals through interest-free loans and grants to attend accredited institutions within the United States.

- **UMBC National Science Foundation S-STEM grant (Average award of \$6,000. Applications close May 15th for Fall or December 15th for Spring)**

URL: <http://me-stem.umbc.edu/>

Description: Need and merit based scholarship for UMBC mechanical engineering students

- **Collegedata Scholarship Finder Search Engine**

URL: www.collegedata.com/cs/search/scholar/scholar_search_tmpl.jhtml

Description: Search for scholarships that match the eligibility criteria entered for GPA, gender, residency, ethnicity/heritage, religion and area of study. You can also add keywords to find scholarships with eligibility requirements in other areas.

- **Princeton Review (merit scholarships based on SAT and ACT scores)**

URL: <https://www.princetonreview.com/college-advice/sat-act-scores-merit-scholarships>

Description: Tools, scholarship search, and advice to help students and parents master the financial aid process

- **United Negro College Fund Scholarships**

URL: <https://scholarships.gmsp.org/>

Description: Search and apply online for scholarships, programs, internships, and fellowships

Next steps



- ✓ Obtain answers to questions – admissions, housing, financing your education, etc...
- ✓ Watch the mail and check UMBC e-mail regularly!
- ✓ Log into myUMBC to accept admission, notify UMBC of enrollment intentions via UMBC Enrollment Intent/Deposit Form, and submit enrollment intention fees (\$425.00) by May 1
- ✓ Obtain required immunizations or sign waiver for meningitis vaccine. Complete and return [Mandatory Health Form](#), supply health insurance information, and [waive or enroll in medical plan](#)
- ✓ Sign and return offers, etc... prior to deadlines
- ✓ Complete online Housing application at <https://reslife.umbc.edu/apply/>. To guarantee housing, accept housing offer/acknowledge housing license online, and pay housing deposit before 5/1/19 (or date in offer e-mail). Indicate Susquehanna as first preference
- ✓ Register for [Orientation](#) and Family Orientation (6/9/20)
- ✓ Submit final high school transcript to Admissions upon completion of senior year



Next steps (con't)



Meyerhoff
Scholars
only

- ✓ Meyerhoff Summer Bridge is 6/6/19 – 7/17/20!
- ✓ Connect with Meyerhoff Parents Association

All UMBC
Students

- ✓ Register and mark your calendar (opens in March) for Orientation June 8-9th (Family Orientation will be June 9th - Please include family members' information in the "guests" section of the online orientation reservation form or call 410-455-3244 to let the campus know who will be attending.). Prepare for Registration appointment.
- ✓ Housing assignments/Move-In info (July 15th)
- ✓ Convocation/Campus Community Picnic – August 2020
- ✓ Move-in & Welcome Week (schedule available in early August) <https://welcomeweek.umbc.edu/>
- ✓ Fall Classes begin Wednesday, August 27, 2020
- ✓ Fall Academic Calendar online at: <https://registrar.umbc.edu/undergraduate-academic-calendar/>
- ✓ Peruse UMBC Family Connection page at: <https://familyconnection.umbc.edu/>. Sign up for Family Connection newsletter

Contact Information



<p>Meyerhoff Scholars Program Office Sherman Hall 218 (B Wing)</p>	<p>PH: 410-455-3139 FAX: 410-455-1281 meyerhoff@umbc.edu</p>	<p>https://meyerhoff.umbc.edu/</p>
<p>Meyerhoff Business Mgr: Sharon Johnson Sherman Hall 218-J (B wing)</p>	<p>PH: 410-455-3660 FAX: 410-455-1281 shjohnso@umbc.edu</p>	
<p>Admissions and Orientation Library Pondsides (lower level)</p>	<p>PH: 410-455-2292 FAX: 410-455-1094 admissions@umbc.edu</p>	<p>https://undergraduate.umbc.edu/</p>
<p>Financial Aid Office Library Pondsides (lower level)</p>	<p>PH: 410-455-2387 FAX: 410-455-3322 https://financialaid.umbc.edu/contact-form/</p>	<p>https://financialaid.umbc.edu/</p>
<p>Housing/Office of Residential Life Ground Floor Erickson Hall</p>	<p>PH: 410-455-2591 FAX: 410-455-1058 reslife@umbc.edu</p>	<p>https://reslife.umbc.edu/</p>
<p>University Health Services Ground floor Erickson Hall (Center Road)</p>	<p>PH: 410-455-2542 Billing questions: 410-455-3221 FAX: 410-455-1125 uhs@umbc.edu</p>	<p>https://www.umbc.edu/uhs/about/contact.php</p>
<p>Scholarships Office Library Pondsides (lower level)</p>	<p>PH: 410-455-3813 FAX: 410-455-3322 https://financialaid.umbc.edu/contact-form/</p>	<p>https://financialaid.umbc.edu/scholarships/</p>