

# Program Overview

Welcome To The  
33rd Annual  
Meyerhoff Scholars  
Program 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 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, 256 of whom are currently undergraduates. We have graduated over 1,250 students
- 93% of Meyerhoff graduates earned science or engineering bachelor's degrees
- Graduate/Professional Programs (as of February 2021)

Graduate/Professional Program	Ph.D. (including MD-Ph.D., DDS-Ph.D., and DVM-Ph.D.)	MD-Ph.D.	MS
Meyerhoff Graduate Degrees Earned	352	64	300

- Over 200 Ph.D. and 35 MD-Ph.D. candidates in the pipeline for 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>

# Meyerhoff Scholars Program Longitudinal Study Results

**Qualified students who declined MSP offers and attended other universities were half as likely to graduate with a STEM degree and approximately five times less likely to pursue or complete STEM graduate degree. UMBC is the top undergraduate school of origin of African-American M.D.-Ph.D. recipients in the United States and the second ranked school of origin of African-American STEM Ph.D. recipients. (2019)**

## **Source:**

**Sto. Domingo, M.R., Sharp, S., Freeman, A, Freeman, T., Jr., Harmon, K., Wiggs, M., Panter, A., Sathy, A., Oseguera, L., Sun, S., Williams, M.E., Templeton, J., Folt, C., Barron, E.J., Hrabowski, F.A. III, Maton, K., Crimmins, M., Fisher, C., and Summers, M.F. (2019). Replicating Meyerhoff for inclusive excellence in STEM. *Science*. Vol. 364, Issue 6438, pp. 335-337.)**

## ***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/>

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).

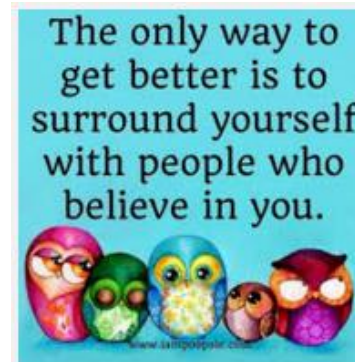
# Meyerhoff Scholars Program Longitudinal Study Results (con't)

- **Most impactful program components:**
  - Financial support
  - Interactions with cohort
  - Being part of the program
  - Off-campus research
  - On-campus research
  - Study groups
  - Having a research mentor

Source: Maton, K. I. (2021). Unpublished data

# 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

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- **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 (6/5/21- 7/17/21)**
  - **Complete applications for summer research opportunities, graduate, and/or 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?

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**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

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- 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

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- **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



# 2020-2021 Charges (per year)

	In-State	Non-Resident
<b>Tuition (Full-Time)</b>	\$ 8,704	\$ 24,338
<b>Mandatory Fees*</b>	\$ 716	\$ 716
<b>Room**</b> (Residence Hall – Suites - Not including Walker Ave Apts. - Single Rooms extra)	\$ 7,850	\$ 7,850
<b>Board</b> (10 meal – Flexible 14)	\$4,062 - \$5,138	\$4,062 - \$5,138
<b>TOTAL</b>	<b>\$21,332 - \$22,408</b>	<b>\$36,966 - \$38,042</b>

\* Mandatory Fees – Technology, University Commons, Student Activity (adjusted in 2020-2021 due to COVID – 2019-2020 ~\$3,000 with Athletics, Transportation, Auxiliary Facilities)

\*\* Room – Adjusted in 2020-2021 due to COVID – 2019-2020 ~\$5,442-\$7,850)

Subject to change in accordance with Maryland Board of Regents policies

**2021-2022 rates are not yet available (tuition increase likely)**

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

# 2020-2021 Budget/Cost of Attendance (per year) Dependent – Living in Dorm

	In-State	Out-of State
Tuition/Mandatory Fees	\$ 9,420	\$25,054
Avg. Room/Board	<u>\$ 12,616</u>	<u>\$12,616</u>
<b>SUBTOTAL</b>	<b>\$22,036</b>	<b>\$37,670</b>
Books	\$ 1,600	\$ 1,600
Transportation	\$ 1,462	\$ 1,462
Other Personal Expenses	<u>\$ 2,020</u>	<u>\$ 2,020</u>
<b>SUBTOTAL</b>	<b>\$27,118</b>	<b>\$42,752</b>
Direct Loan Fee (optional)	\$ 72	\$ 72
PLUS Loan Fee (optional)	\$ 738	\$ 738
<b>TOTAL</b>	<b>\$27,928</b>	<b>\$43,562</b>

**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?

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- Families will be responsible for payment of:
  - Application Fee\* \$ 75
  - Enrollment Fee\* \$200
  - Orientation fee\* \$225
  - Matriculation fee\* \$100
  - International Student fee \$125
  - 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



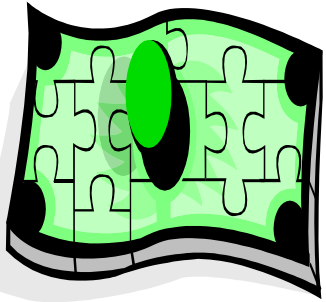
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Subject to change. 2021-2022 rates are not yet available.

# Outside Scholarships

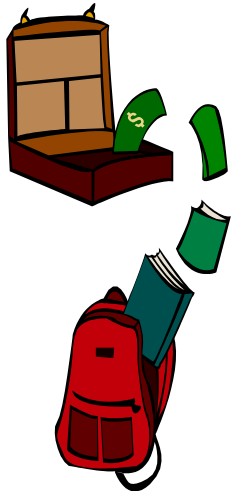
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- We strongly encourage students to apply for state and federal financial aid (FAFSA) and for outside scholarships.
- Helps **US** stretch our scholarship dollars!
- Helps **students** fill the gap between their award and tuition, fees, room, and board charges!
- Scholars may keep financial aid/outside scholarships up to budget/cost of attendance amount for educational expenses
- Meyerhoff Scholarship amount may be adjusted based upon the amount of outside aid and/or funding
- Refunds will be disbursed automatically



# Free Application for Federal Student Aid (FAFSA) -- [www.fafsa.ed.gov/](http://www.fafsa.ed.gov/)

- 3/1/21 – UMBC Priority and Maryland Deadlines
- 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, parents' employers, military, etc...

**Research early! Meet deadlines!**



# Financial Aid and Outside Scholarship Resources

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- **UMBC Scholarship Retriever**

URL: <https://scholarships.umbc.edu/retriever/>

**Description:** UMBC institutional, merit, financial need, and department scholarships

- **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

- **Pathways To Science**

URL: [pathwaystoscience.org](http://pathwaystoscience.org)

**Description:** Scholarships in science, technology, engineering, and mathematics

# Financial Aid and Outside Scholarship Resources (continued)

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- **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

- **Central Scholarship (application closes 3/16/21)**

**URL:** <https://central-scholarship.org/scholarships/undergraduate-graduate-professional-scholarships/>

**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 15<sup>th</sup> for Fall or December 15<sup>th</sup> 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:** <https://www.collegedata.com/scholarship-finder>

**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!

- ✓ Upgrade myUMBC account and log into myUMBC to complete items at <https://undergraduate.umbc.edu/Welcome> to accept admission, learn about Financing Your Education, sign up for Orientation/Family Orientation (opens mid-March – takes place during Summer Bridge), send final transcripts, complete placement tests, submit healthcare documentation, submit Campus ID photo, add Welcome Week to calendar, and submit enrollment intention fees (\$425.00) by deadline

- ✓ 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](#) (Fall 2021 forms available in March)

- ✓ Complete online Housing application/. To guarantee housing, accept housing offer/acknowledge housing license online, and pay housing deposit before priority deadline of 5/1/21 (or date in offer e-mail). Indicate Susquehanna as first preference if Meyerhoff offer is accepted

- ✓ Coordinate with Office of Student Disability Services (SDS) and other campus departments, if needed



# Next steps (con't)



Meyerhoff  
Scholars  
only

All UMBC  
Students



WELCOME  
NEW STUDENTS

- Meyerhoff Summer Bridge is (6/5/21- 7/17/21)**
- ✓ **Connect with Meyerhoff Parents Association**
  - ✓ **Register and mark your calendar (opens in March) for Family Orientation** - 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 (May - July)**
  - ✓ **Convocation/Campus Community Picnic – August 2021**
  - ✓ **Move-in & Welcome Week (schedule available in early August)**  
<https://welcomeweek.umbc.edu/>
  - ✓ **Fall Classes begin Wednesday, August 31, 2021**
  - ✓ **Fall Academic Calendar online at:**  
<https://registrar.umbc.edu/files/2015/04/2021-22.pdf>
  - ✓ **Peruse UMBC Family Connection page at:**  
<https://familyconnection.umbc.edu/>. Sign up for [Family Connection newsletter](#)

# Contact Information

**Note: Staff working remotely 2020-2021**



<b>Meyerhoff Scholars Program Office</b> Sherman Hall 218 (B Wing)	PH: 410-455-3139 FAX: 410-455-1281 meyerhoff@umbc.edu	<a href="https://meyerhoff.umbc.edu/">https://meyerhoff.umbc.edu/</a>
<b>Meyerhoff Business Mgr:</b> Sharon Johnson Sherman Hall 218-J (B wing)	PH: 410-455-3660 FAX: 410-455-1281 <a href="mailto:shjohnso@umbc.edu">shjohnso@umbc.edu</a>	
<b>Admissions and Orientation</b> Library Pondsides (lower level)	PH: 410-455-2292 FAX: Contact Admissions <a href="mailto:admissions@umbc.edu">admissions@umbc.edu</a>	<a href="https://undergraduate.umbc.edu/">https://undergraduate.umbc.edu/</a>
<b>Financial Aid Office</b> Library Pondsides (lower level)	PH: 410-455-2387 FAX: Currently unavailable <a href="https://financialaid.umbc.edu/contact-form/">https://financialaid.umbc.edu/contact-form/</a>	<a href="https://financialaid.umbc.edu/">https://financialaid.umbc.edu/</a>
<b>Housing/Office of Residential Life</b> Ground Floor Erickson Hall	PH: 410-455-2591 FAX: Contact Residential Life <a href="mailto:reslife@umbc.edu">reslife@umbc.edu</a>	<a href="https://reslife.umbc.edu/">https://reslife.umbc.edu/</a>
<b>University Health Services</b> Ground floor Erickson Hall (Center Road)	PH: 410-455-2542 Billing questions: 410-455-3221 FAX: Contact UHS <a href="mailto:uhs@umbc.edu">uhs@umbc.edu</a>	<a href="https://www.umbc.edu/uhs/about/contact.php">https://www.umbc.edu/uhs/about/contact.php</a>
<b>Scholarships Office</b> Library Pondsides (lower level)	PH: 410-455-3813 FAX: Currently unavailable <a href="https://financialaid.umbc.edu/contact-form/">https://financialaid.umbc.edu/contact-form/</a>	<a href="https://financialaid.umbc.edu/scholarships/">https://financialaid.umbc.edu/scholarships/</a>
<b>Office Of Student Disability Services</b> Math/Psych 212	PH: 410-455-2459 FAX: Currently unavailable <a href="https://sds.umbc.edu/">https://sds.umbc.edu/</a>	disAbility@umbc.edu