Michigan Biology Academy Scholars: Overview
Program Mission

• Strengthen and diversify the cohort of students who receive their baccalaureate degrees in the biological sciences.

• M-Bio students will be well prepared to seek career opportunities or to pursue graduate or professional training in the biological sciences.
Why M-Bio?

FACT: 30-35% of entering freshman in LSA at UM say they are interested in biology or a health-related profession but only 10-15% of seniors graduate with a degree in one of the biological sciences.

FACT: Of those who graduate in biological sciences, a substantial portion have a GPA less than a B.
Why M-Bio?

Our goal:
Have you succeed in EVERYTHING you need to do to have a successful career in a biology-related field
Program Components

Summer before freshman year: Intensive program focusing especially on quantitative and communication skills

Academic year and second summer (freshman and sophomore years)

- Academic coaching
- Mandatory peer-led study groups in introductory science classes
- Comprehensive Studies Program (CSP) Affiliate Status
- Second summer research experience
- Small, supportive community
Research experiences

Guaranteed placement in UROP: *Undergraduate Research Opportunity Program*

- Develop research proposal with faculty mentor during first year
- Conduct paid research with faculty mentor during summer between freshman and sophomore years
- Goal for subsequent years: continue in active research with same or different mentor on longer-term research project
After M-Bio

Go on to concentrate in one of the biological sciences concentrations in LSA

- Biology or General Biology
- Cellular and Molecular Biology (CMB)
- CMB/Biomedical Engineering
- Ecology and Evolutionary Biology
- Neurosciences
- Microbiology
- Plant Biology
Financial Aid During Summer

Based on Summer FAFSA and CSS profile, UM Financial Aid Office determines eligibility

**Need-based:**

- Financial aid for eligible students is available for summer program tuition ($3,110 for in-state; $9,397 for out-of-state), room and board costs ($2,196), and books and fees.
- **Not need-based:** Stipend for summer ($1500) after successful completion of the summer
Financial Aid After the Summer

• **Need-based**: UM meets all financial need for in-state students (based on FAFSA and CSS profile) with a combination of grants, loans, and work-study.

• M-Bio has additional scholarship money to replace some of the loan and work-study portion of the package.

• **Not need-based**: Paid ten-week research opportunity during the second summer
Next steps

- Online applications due April 11\textsuperscript{th}, 2012
- Students informed of admission in late April: \textbf{20 students will be selected as M-Bio Scholars}
- Students commit to program \textbf{no later than one week} after admission
- Once committed: \textbf{Fill out 2011-2012 FAFSA and CSS for summer financial aid and submit 2010 tax forms!}
- Move into Mosher-Jordan residence hall for summer program on \textbf{June 23}, program ends \textbf{August 15}
Summer Program
June 23rd – August 15th 2012
Overview

- Intense seven week residential summer experience in Mosher-Jordan Residence Hall
- Three rigorous courses focused on improving students’ biology and math skills
- Variety of extracurricular academic and social activities
- $1500 stipend upon successful completion of the summer program
Courses

Courses specifically tailored for M-Bio students to focus on success in biological sciences.

Three for-credit courses for eight total credits:
- Science writing/communications
- Math (Precalculus/Calculus level)
- Integrated Math/Chemistry/Biology

• Courses are pass/fail and will not impact GPA.
Activities

• Workshops on academic, personal and professional success strategies
• Fun and engaging community-building and social activities
• Visits to Ann Arbor Summer Festival, Nichols Arboretum, and more
Typical Weekly Schedule

Monday - Thursday
• 8-8:30 Breakfast
• 8:30-10 Math
• 10:00-noon Integrated Science
• 12-1 Lunch
• 2-4 Science Writing
• 5:00-6:00 Dinner
• 7-9 Evening study session

Saturday/Sunday
• 9-11:30 AM Activity/Free Time
• 11:30-1:30 Brunch
• 1:30 – 3:30 Activity/Free Time
• 3:30 – 5:30 Sports/Recreation
• 5:30 – 7 Dinner
• 7 – 9 Evening Study Session or Activity
Important dates

• Move-in & M-Bio Orientation 
  June 23

• University Orientation
  June 24-26

• Classes Begin
  June 27

• Optional Weekend Home 
  July 19-22

• Program Ends
  August 15

  (Closing ceremony/reception)
Program Costs

• ROOM AND BOARD FOR SUMMER TERM 2012
• All M-Bio students will be responsible for covering the costs of room and board for the summer term. Loans may be provided to cover these costs for those students who are eligible for financial aid.

• TUITION FOR SUMMER TERM 2012 covering 8 credits/3 courses
• NOTE: A grant may be provided to cover tuition for those who are eligible for financial aid.

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<thead>
<tr>
<th></th>
<th>In-State Resident</th>
<th>Non-Resident</th>
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<tbody>
<tr>
<td>Full-time (6-9 credits)</td>
<td>$3,110</td>
<td>$9,397</td>
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<tr>
<td>Fees</td>
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<td>$49</td>
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<td>Room and Board</td>
<td>$2,196</td>
<td>$2,196</td>
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<td><strong>Total:</strong></td>
<td><strong>$5,354.60</strong></td>
<td><strong>$11,641.60</strong></td>
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Expectations and Rigors
Academic Expectations

• Maintain term and cumulative GPA of at least 3.0 (B or better)

• Earn a grade of at least B- in required introductory math and biology courses.
  
  *(Students who earn less than a B- in a required math or biology course will need to repeat the course.)*

• Grades will be monitored by the M-Bio Academic Coach through an early warning system
Programmatic Expectations

• Full participation in Summer Program (June 23 – August 15)

(Optional Weekend Home: depart no earlier than 5 PM Thursday, July 19th and return no later than 5 PM on Sunday, July 22nd)

NO OTHER EXCEPTIONS
• Abide by all Summer Program guidelines

  – Attend all classes and activities – and be on-time
  – Remain within central campus boundaries: no visitors during M-Bio activities; No motorized vehicles
  – No cell phones, electronic, or music devices during M-Bio activities
  – Abide by midnight curfew
  – Follow dress code
Academic Year Activities

• Full participation in academic year activities during first two years
  – Follow all course scheduling recommendations of advisors and M-Bio
  – Consult with M-Bio staff about extracurricular activities *(Pledging of fraternities or sororities during the first year is not permitted)*
  – Meet regularly with M-Bio academic coach and report all grades
  – Attend all required M-Bio “Family Meetings” and workshops
  – Participate in summer research following the freshman year
  – Join SLC study group