



NOMINATE YOURSELF NOW



EXECUTIVE BOARD

President: Deidra Garrett
 Vice President: Adeola Odutola
 Communications Secretary: Cedrick Moore
 Treasurer: Kamisha Quates
 Parliamentarian: Christopher Whitfield

COMMITTEE CHAIRS

Finance: Orlando Thomas
 Pre-College Initiatives: Julian Grant
 Kreana Pye
 Membership/ Programs: Jermaine Clements

ABOUT NSBE BIRMINGHAM

The National Society of Black Engineers (NSBE) Birmingham Professionals Chapter is a 501(c) (3) non-profit association dedicated to the academic and professional success of African American engineering and technical students and professionals

Our mission is to increase the number of culturally responsible black engineers, who excel academically, succeed professionally and positively impact the community. **NSBE-Birmingham** fulfills the mission of NSBE by organizing, sponsoring, and attending an array of workshops, community activities, scholarship funding, mentoring, and networking events.

We facilitate the development of strong technical professionals and leaders, encourages minority students to eagerly seek out degrees in Science, Technology, Engineering and Mathematics related fields, and empowers the community with the knowledge and foresight to strengthen the very foundation that enables our community as a whole to achieve greater heights.

CHAPTER OBJECTIVES:

- Stimulate and develop student interest in the various engineering disciplines.
- Encourage and advise minority youth in their pursuit of an engineering career.
- Strive to increase the number of students studying engineering at the undergraduate and graduate levels.
- Encourage members to seek advanced degrees in engineering or related fields and to obtain/maintain professional engineering registrations.
- Promote public awareness of engineering and the opportunities for blacks and other minorities in that profession.
- Function as a representative body on issues and developments that affect the careers of black engineers.

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The second year of SEEK Birmingham will take place June 6-24, 2016! Students in grades 3-5 have been welcomed on the

Phillips Academy campus to take part in this free S.T.E.M. program. Phillips Academy is located at 2316 7th Ave N, Birmingham, AL 35203.

The SEEK Program is designed to be a fun and engaging educational experience, led by NSBE engineering students and technical professionals dedicated to pursuing professional excellence and giving back to the community. Students work in teams to solve problems and create products while discovering the underlying math and science principles involved in these processes. Each week, the students take on a new project, culminating with a presentation, design competition and physical competitions.

The projects for this year are:

Catapult:

Students have the opportunity to construct a medieval trebuchet from balsa wood. Students will design and experiment with different counterweights and lever lengths, all the while learning the mathematics that apply to moving projectiles. The students will also learn concepts like horizontal and vertical motion as well as energy transfer. Provided by Society of Automotive Engineers (SAE) International, A World In Motion (AWIM)

Wind Turbine:

Students focus on how wind energy can be generated on both a large and small scale. Student teams design and build a working wind turbine out of everyday products and learn about anemometer as well as site testing. As wind energy continue to grow in the energy market, it's vital that the students become exposed to clean alternatives for fossil fuels.

Snaptricity:

Students have the opportunity to design and construct fully operating circuits using Snaptricity kits. As students delve into the world of electrical engineering, they learn about resistance, current, and Kirchhoff's Laws.

Volunteer opportunities are available by signing up using the following link [NSBE SEEK Birmingham Volunteer Form](#)

For more information on the SEEK program please visit <http://www.nsbe.org/seek.aspx>.

CHAPTER ANNOUNCEMENTS



This year the fundraising team was met with some fiscal challenges, but thanks to our members we were able to still meet our goal of distributing \$10,000 or greater in scholarships!

Membership giving was up by over 35% and I could not let the opportunity go by without saying Thank you!

The work we do is so important and I appreciate each of you for your continued support of our organization.

Sincerely,

Deidra Garrett

2016 NSBE-BHAM E-Board Election Process



Any active member of the NSBE-BHM chapter is eligible for an elected office. An active member is someone whose dues are current at the time of election.

All active members will receive nomination and election emails. Nomination and election surveys may not be shared with inactive members.

Nominations will be accepted until June 10, 2016 at 5 PM.

Elections will run from June 20-24, 2016. Election results will be published by June 30, 2016.

The duties of the elected and appointed officers are:

(a) President

- Shall preside over all official meetings of the NSBE-BHM Chapter
- Shall serve as a representative of the NSBE-BHM Chapter
- Shall appoint standing and special committee chairpersons with advice and consent of the Executive Officers, except where otherwise provided for in this document
- Shall administer the Constitution, Bylaws, policies, and procedures of the National Society of Black Engineers and the NSBE-BHM chapter
- Shall render reports and accounting to the General Membership, the Chapter Executive Board, and National Office as required by the National Operating Guidelines
- Shall have the general powers and duties of management usually invested in the office of President or Chair

(b) Vice-President

- Shall preside in the absence or inability of the President
- Shall perform any activities, duties, and responsibilities as designated by the President
- Shall oversee the activities of the standing committees
- Shall be an ex-officio member of all standing committees
- Shall render reports and accountings to the General Membership, the Chapter Executive Board, and National Office as required by the National Operating Guidelines

(c) Communications / Secretary

- Shall fill and countersign all certificates issued and keep and make proper entries in the books of the chapter.
- Shall serve all notices required by the Bylaws
- Shall record accurately the minutes of all meetings of the General Membership and the Executive Board and make available the minutes to all members upon request
- Shall maintain a copy of the most updated version of the Constitution, Bylaws, and Standing Rules of NSBE and the local chapter
- Shall render reports and accountings to the General Membership, the Chapter Executive Board, and National Office as required by the National Operating Guidelines
- Shall provide communications to the General Membership in the forms of newsletter, social media, and via the chapters website

MORE NSBE SITES

NSBE National

<http://www.nsbe.org>

NSBE Region 3

<http://www.nsbe.org/Regions/Region3/default.aspx>

NSBE Montgomery

<http://www.nsbe-mae.org>

NSBE of North Alabama

<http://www.nsbe-northalabamaae.com>

(d) Treasurer

- Shall keep accounts and deposit funds for the chapter.
- Shall ensure that expenditures made for chapter business; be in a manner approved by the Executive Board.
- Shall maintain the membership roll and collect annual dues of the chapter.
- Shall render reports and accountings to the General Membership, the Chapter Executive Board, and National Office as required by the National Operating Guidelines.
- Shall ensure on a periodic basis or at least at the end of the fiscal year, the book of accounts be audited in a manner prescribed by the Executive Board.
- Shall, on approval of the Executive Board, disburse funds listed in the approved budget and those funds not listed but are necessary to maintain operations of NSBE-BHM.
- Shall be an ex-officio member of the Finance/Fundraising Committee.

(e) Parliamentarian:

- The parliamentarian advises the president and other officers, committees, and members on matters of parliamentary procedure. The parliamentarian's role during a meeting is purely an advisory and consultative one – since parliamentary law gives to the chair alone the power to rule on questions of order or to answer parliamentary inquiries
- During a meeting, the work of the parliamentarian should be limited to giving advice to the chair and to any other member with permission of the chair.
- It is also the duty of the parliamentarian – as inconspicuously as possible – to call to the attention of the chair any error in the proceedings that may affect the substantive rights of any member or may otherwise cause harm.
- The Parliamentarian shall chair the elections committee as appointed by the Executive Board. The elections committee, under guidance of the Parliamentarian, will compile and disseminate documents and procedures to members seeking office and will coordinate the election.

(f) Committee Chairs

- Shall be appointed by the chapter president
- Shall execute the duties of the committee
- Shall render reports and accountings to the General Membership, the Chapter Executive Board, and National Office as required by the National Operating Guidelines

There shall be four (4)-standing committees of the NSBE-BHM chapter, which are:

Finance: The primary responsibility of the Finance committee is to identify, secure, and maintain new and existing financial resources for the chapter. In addition, the committee responsibilities include:

- Shall prepare a budget for the fiscal year and submit to NSBE-BHM at the August meeting
- Preserve financial relationships with sponsors
- Shall submit amendments, if necessary, to the budget for the current fiscal year, which may be adopted by a majority vote of the membership
- Develop and maintain a Corporate Solicitation Packet
- Be responsible for solicitation of operating funds from Corporate Sponsors
- Shall audit the book of accounts on an annual basis

Fundraising: The primary responsibility of the fundraising committee is the development, coordination, and execution of all chapter fundraisers. In addition, the committee responsibilities include:

- Shall plan and organize the Annual Scholarship and Awards Banquet and is the central committee for all activities related to the banquet
- Shall plan and organize the Annual Scholarship Golf Classic and is the central committee for all activities related to the golf classic
- Shall develop, plan and organize any additional chapter fundraising activities and is the central committee for all activities related to fundraising
- Shall work closely with the finance committee in coordinating fundraising activities

- Shall work closely with the communications committee in promoting fundraising activities

Membership/ Programs: The primary responsibility of the membership committee is the recruitment and retention of Professionals Members. In addition, the committee responsibilities include:

- Devise and/or coordinate membership and recruitment activities and socials
- Shall process membership applications into NSBE-BHM
- Shall welcome and orient new NSBE professionals members into NSBE-BHM
- Shall focus on membership retention
- Develop and coordinate the chapter directory
- Shall submit to NSBE-BHM for its approval at its regular meeting in August the annual program of NSBE-BHM.
- Shall develop and coordinate the programming of quarterly General Body Meetings
- Shall develop and coordinate innovative programs to fulfill the directives of NSBE and NSBE-BHM

Pre-College Initiative (PCI): The primary responsibility of the PCI/CI committee is to develop programs that utilize the talents of NSBE Professionals Members in mentorship or other interaction with pre-college students at any grade level, undergraduate students, and graduate students in and around the Birmingham metropolitan area. In addition, the committee responsibilities include:

- Develop and implement innovative programs to stimulate the interest of our youth in the fields of science and technology
- Shall promote technical education and careers
- Shall enhance the availability of scholarships to technical minority students
- Shall act as an interface, resource, and support system for NSBE student chapters in and around the Birmingham Metropolitan area
- Shall interact with academia from high school to graduate school and serve as the Chapter liaison for those institutions



THE STEM

Knowledge Center

High School STEM Experience

Summer 2016

June 5-23, 2016



Hands on activities in
Electrical Engineering
Mechanical Engineering
Civil Engineering
Computer Science
Physics and Chemistry



Contact:
Gerald L. Vines
(256) 372-5574
gerald.vines@amu.edu



NSBE Birmingham 2016 Scholarship Banquet Pictures



16th Annual



Day

*Explore kid-friendly
scientifically based
hands-on activities*

Theme: May the Force Be With You!

**Saturday
July 30, 2016
1 – 4 p.m.**

**Five Points West
Library**

4812 Avenue W
Birmingham, AL 35208
(205) 226-4013

**Parents please stay with
your children**

The 16th Annual Math and Science Fun Day will explore many of the forces, such as gravity, magnetism, static electricity and centrifugal forces to name a few --that govern physics, chemistry, biology, weather and other sciences.

This program is free to all ages and allows youngsters to get involved in kid-friendly, scientifically based, hands-on activities, many of which they can take home and repeat for friends and family. The event will feature knowledgeable and fascinating

presentations. Parents are encouraged to remain with their children.

This year's activities will include using air, home chemicals, static electricity, magnets, even beads and even candy to create spectacular results.

Kids will make and race homemade mini cars, try their hand at robotics, and set up Rube Goldberg type adventures where one result causes another.

For the second year, Home Depot will present lessons in creative craft building. Additionally, WIAT TV42 weather man has promised to come and engage the youth.

Several female engineers will take leadership on a number of activities. An engineering professor will demonstrate robotics principles and an airplane pilot will illustrate forces that help planes stay in the air.

FORCE ACTIVITIES

- Air - wind, straws, bubble in bubble, lifesaver cars
- Biology, ants drink colored water
- Biology, human pulse
- Centripetal force
- Centrifugal force
- Chemical – explosives, elephant's toothpaste
- Chemicals - dissolving
- Density – different liquids, beads
- Elasticity
- Flight – lift, drag, thrust, gravity
- Friction
- Gravity
- Light waves
- Magnets – metals, salt and pepper
- Planets
- Pressure gauges
- Pull –hand pulleys
- Push – sliding rockets, Cartesian divers,
- Rube Goldberg - motion
- Static electricity
- Sound waves – pan pipes, whistles
- Water
- Weather

For more information, contact the Burks at:

205-786-3731 (h)
205-515-9462 (c)
winfieldburks13@gmail.com

Give Us Your Feedback!

What can we do to improve your membership experience?

Please send comments and suggestions to our

Programs/Membership Chair at membership@nsbebham.org

National Society of Black Engineers -
Birmingham Professionals

PO Box 380714

Birmingham, Alabama 35238-0714

Contact us:

President	president@nsbebham.org
Vice President	vicepresident@nsbebham.org
Communications Secretary	communications@nsbebham.org
Treasurer	treasurer@nsbebham.org
Pre-College Initiatives	pci@nsbebham.org
Membership	membership@nsbebham.org
Finance	finance@nsbebham.org

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