

P.O. Box 881029  
Los Angeles, CA 90009  
(310) 635-7734  
www.lablackengineers.org



A Non-Profit 501(c)3 California Corporation

# Los Angeles Council of Black Professional Engineers

## Membership Application

*Celebrating over 35 years*  
1970-2005

# STATEMENT OF OBJECTIVES

The principal objectives of the Los Angeles Council of Black Professional Engineers (LACBPE) shall be to endeavor to enhance the educational and employment opportunities of minority individuals. These aims shall be pursued through personal contacts with students at all levels, curriculum advice in predominately minority educational institutions, consultations with colleges and universities, direct contact with potential employers, coordination with professional societies and through all other legal and ethical means deemed necessary by the Council.



## ***What Makes The Los Angeles Council of Black Professional Engineers Special?***

### **As A Professional: Scientist, Engineer, Computer Scientist or Technologist**

- **Connection with hundreds of your fellow minority science professionals**
- **Corporate and Career Guidance**
- **Professional Development including engineering registration, Project Management training and computer certifications**

### **Our Community Youth Efforts**

- **In-depth Saturday classes for elementary to high school students in Math, Science and Computer Science.**
- **Regional youth science and math fairs.**
- **Mentors and advisors to African-American engineering college campus chapters**

### **Support of Black Owned Businesses in Technology**

- **Host technology business development committee**
- **Assist with seminars on new business development**
- **Promote member businesses for prime and sub-contracting opportunities**

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# ACTIVITIES AND PROGRAMS

## ACTIVITIES

### Speakers Bureau Committee

The **Speaker's Bureau Committee** schedules Council members to attend local elementary, junior high, and senior high schools to give presentations on career opportunities in technical fields. Their discourse is designed to provide the students with an idea of what is involved in science, engineering, and computer science, and how these professions affect our society. Each speaker also presents the skills required to be an engineer or scientist. In summary, these Council members try to develop interest among African-American and other minority students to pursue careers in mathematics, science, engineering and computer science.

### Professional Development Committee

**Professional Development Committee** is responsible for organizing activities that help develop the LACBPE member's professional career. This committee sponsors in coordination with the College Relations Committee a review course for those members and college students preparing to take the Engineer-In-Training (EIT) examination.

This committee also sponsors review courses for members taking the Professional Engineering (PE) exam in mechanical, electrical and civil engineering. The Council's "Job Bank" is also maintained and operated within this committee.

### Public Relations Committee

The purpose of the **Public Relations Committee** is to assure that the community is kept informed on the Council's programs and activities. This committee distributes press releases to local and national media sources. It also schedules member appearances on radio and television programs.



## Business Development Committee

**The Business Development Committee** promotes business development among Black engineers through networking, teaming up among members and other firms, meeting with decision makers, publicizing business opportunities, and addressing business issues. We conduct meetings regularly with senior level management from leading engineering firms and executives from government agencies. These have led to greater business opportunities for our members. In addition, we review and comment on proposed legislation and other issues related to minority engineering activities.

## Newsletter Committee

**The Newsletter Committee** has the responsibility in coordination with the Public Relations Committee of providing information about the Council's activities to the general public. This is accomplished through the publishing of articles of interest to both the members of the Council, students, and those individuals and companies interested in helping the Council to achieve its goals. These articles range from technical information to Black events and achievements. The achievements of Black professionals are of great importance because they serve as role models for the Black youth in the community. This is in keeping with the primary goal of the Council to inspire more Black youth to pursue careers in the fields of math, science, engineering and computer science. The Newsletter also serves as a forum for members to voice their opinions on matters that affect Black technical professionals, and the African-American community.

## Membership Committee

**The Membership Committee** provides prospective members with information about the various activities and the organization of the Council. New members are encouraged to become involved and to contribute their energy and ideas to committees in which they are most interested. This committee collects membership dues, maintains related records and publishes for membership. This confidential listing helps foster good communication between all Council members. A Corporate Membership program is also managed by the membership committee. Corporate members are invited to join the Council's Corporate Advisory Board. The purpose of the Advisory Board is to provide industry guidance of the activities and program of the Council to the Board of Directors. This committee collects corporate membership dues and maintains the current status of membership.

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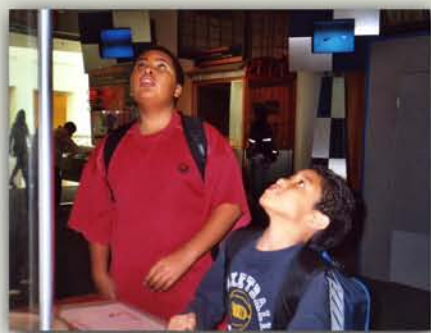
## College Relations Committee

The **College Relations Committee (CRC)** acts as a liaison between LACBPE and the NSBE (National Society of Black Engineers) chapters in the Los Angeles - area colleges and universities. The majority of the CRC activities are aimed at providing a forum for students to get together with working professionals and with each other. This is accomplished through “campus rap sessions”, coordination of industrial tours, student workshops, leading of study sessions, coordination with other LACBPE events (seats at our annual banquet, and a pass to TECHNET, etc.), summer job information, and the annual summer beach party. In addition, the CRC usually assists with conference planning or presenting workshops during the NSBE Regional Conferences.

## Scholarship Committee

The **Al-Ben Scholarship fund** was established in 1976 to provide incentive awards, and as needed aid for the technically inclined pre-college and college students enrolled in Engineering, Mathematical or Scientific studies. The objective of this program is to stimulate and sustain the students interested in these studies and encourage them, through public recognition, to maintain a level of academic excellence for successful careers in technical areas. Yearly three types of awards may be granted.

- Scholastic Achievement and Academic Excellence Incentive Awards - Based primarily upon achievements in maintaining a high level of scholastic performance overall with a concentration in the areas of engineering, mathematics and scientific concepts.
- Professional Merit Awards - Granted upon demonstrated exemplary action on their campus, organizations, or community activities while maintaining an acceptable grade point average thereby demonstrating their understanding of and dedication to professionalism.
- As Needed Aid Award - Granted upon demonstration of financial need jeopardizing the student's ability to remain in school.



# PROGRAMS



## Excell Program

**Excell** is an academically innovative program which provides instruction in mathematics, science and computer science to African-American and other minority youth in grades 2-12. The program is conducted on Saturday mornings at Cal State University, Dominguez Hills. Students are taught by professionals with degrees in engineering, science, mathematics, and other volunteers. These volunteers give of their time and talent in hopes of making a positive difference in the lives of the students. The students in our program come principally from the Greater Los Angeles areas, including Compton, Carson, Lynwood and Inglewood.

The criteria is simple - "any child wishing to learn is accepted on a space available basis". The students are taught concepts in Math, Physics, Chemistry, Biology and computers. Through the use of baseline curriculums, hands-on instruction, and field trips, the students are given a rare glimpse of what is possible for them, even though their view of the world may be limited.

## Elementary School Program

**The Elementary School Program (ESP)** was formed in order to reach minority students in their formative years. ESP is one of the "pipeline" efforts that LACBPE uses to expose elementary school students to both professionals and the fields of science and engineering. Just as a flower needs water to grow, the minds of young people need the nurturing of concerned individuals to develop. ESP accomplishes this goal through two programs - Science Fair contest and the Engineering Orientation Class Project (EOCP).

A science contest, implemented at selected elementary schools in interurban Los Angeles county, is one way ESP stimulates creativity in the sciences. At the end of the four weeks, sixth grade students are expected to provide both acceptable and safe projects that convey a scientific concept. Science Fair competition is limited to each participating school, so students only compete against fellow classmates. First, second and third place winners are selected by LACBPE members. All first place winners are honored at the Educational Benefit Banquet. The second project run by ESP is the Engineering Orientation Class Project (EOCP). This program allows ESP to hire college students to teach science concepts to sixth grade students using instructor manuals and science kits supplied by LACBPE. The EOCP instructors teach one hour of science per class over a ten week period. LACBPE grants stipends to the EOCP instructors for their efforts.

As the world is becoming more reliant upon computers and less on skilled laborers, the need for technically aware individuals continues to rise. The Los Angeles Council of Black Professional Engineers is aiming to increase minority participation in this world of Information Technology through its Science Fair and Engineering Orientation Class Project.

## Junior High School Program



**Science, Engineering and Math Career Orientation (SEMCO)** is the Council's Junior High School Program. Its major objectives are:

- To introduce junior high school students to science-based careers.
- To show them the requirements for such fields.
- Provide them with motivation, support and guidance.

The first phase of SEMCO is directed at students in their first year of junior high. Things that they can easily relate to and enjoy are used to expose them to difference science subjects and engineering disciplines. For example, baseball is used to introduce the students to physics and paper airplanes are used to help show them what aeronautical engineers do. The program involves a high level of participation by students. In addition to making it easier to explain science related concepts, the developers of SEMCO decided to include fun exercises to help make the program exciting to the students.

The most important element of the program is the personal interaction between SEMCO instructors and the children. All technical professionals who make up SEMCO's band of instructors volunteer their time.



# Experience LACBPE

## MEMBERSHIP APPLICATION

Name		Today's Date	Date First Joined LACBPE
Mailing Address			
City		State	Zip
Phone (Home)	Phone (Business)	Email	
Self-Employed		Type of Company	
Company Name		Occupation/Title	
Address			
City		State	Zip
University(s)			
Degree(s)		Date(s) Received	
License and Type			
Other Professional Organizations			

- ### ACTIVITIES AND INTEREST
- Speakers Bureau
  - Professional Development
  - Public Relations
  - Business Development
  - Newsletter
  - Membership
  - College Relations
  - Scholarship Committee
  - Excell Program
  - Elementary School Programs
  - Junior High School Programs

**ANNUAL DUES**     **REGULAR:** \$100     **ASSOCIATE:** \$100     **STUDENT:** \$15     **CORPORATE:** \$1,000

**REGULAR:** A practicing engineer, scientist or mathematician.  
**ASSOCIATE:** A person that shares the objectives of the organization and is not qualified to join as a regular member.  
**STUDENT:** A person enrolled in an accredited college/university pursuing a degree in engineering, science, or mathematics  
**CORPORATE:** A private corporation, government agency, or other organizations interested in supporting the goals and objectives of LACBPE.



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