



Alpha Eta Mu Beta

NATIONAL BIOMEDICAL ENGINEERING HONOR SOCIETY

Title : National Initiation Project

Objectives :

1. To create a sense of understating the field of biomedical engineering, its current status, and future direction.
2. To provide guidance to the initiate by providing awareness of options in academia or industry.
3. To create a sense of belonging, pride and deeper understanding of the field.

Initiation Project Outline and Details:

Part 1: Biography

a. Faculty

The objective of this exercise is to provide initiates with the opportunity to meet fellow faculty in the department and to learn about their research. This experience will provide the initiate with a wider exposure to areas of biomedical engineering, current cutting edge research in the field and future directions. The initiate is to cover 2 questions, the first teaching interests and the second research interests of the faculty member.

b. Current AEMB members

The initiate is to ask the current AEMB member what year they are in and what their plans are post graduating. The objective of this activity is to provide the initiate with a sense of direction and guidance opportunities and furthermore to foster camaraderie between the members of the AEMB chapter.

Part 2: Service

The initiate is to participate in a minimum of 1 service project as determined by the chapter. Past ideas that encompass service are volunteering to tutor freshman/sophomore college classes, school outreach (elementary, middle and high school), volunteering at the hospital, participating in community service projects such as hunger outreach, hunger task force, volunteering at a soup kitchen, etc. The possibilities are endless. An AEMB member is endowed with significant knowledge, talents and gifts. Volunteering provides an opportunity to share these talents and gifts to help serve the community and those less fortunate.



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Part 3: Candle Carving

Members will carve the following logo on a 6” red candle. A scented candle is recommended as these are less brittle, softer and more malleable, however any red candle may be used.



The objective of this exercise is to instill a sense of confidence in which a task can be performed to achieve its goals with the investment of sufficient patience and to instill pride in being able to accomplish the task. The red candle symbolizes the flesh and blood of the profession. It reminds us to always be responsible, ethical and sincere as our decisions and actions affect those that are alive and can heal or hurt. Red also symbolizes passion, in which a member of AEMB is passionate of high standards both scholastic and character and continuously strives to attain excellence. The Vitruvian man symbol shows that learning of the human body and seeking to understand and heal it is a process that has spanned many centuries. The ‘A’ from the first part of the Alpha Eta Mu Beta logo signifies that the journey into learning of the physiology of man has begun but knows no end. It is to humble us for even the greatest inventions are merely a drop of water in the ocean when it comes to the vastness of knowledge and wonder pertaining to the physiology of the human body. The candle symbolizes brightness and light that is synonymous with the enlightenment of learning and knowledge. The candle that is lit, helps to show us the way in life’s journey of constant learning and growing. In addition, the candle is to be lit during the initiation ceremony to mark the birth of a new member into the AEMB family.

WARNING : Please exercise extreme caution when carving the candle. The scented candle was chosen as it has a much softer texture and is less brittle as compared to conventional candles. Any selection of tools may be used to carve the candle. Please bear in mind that these tools are sharp and could be hot, so please exercise proper use and handling procedures based on the tool. Please ensure that all work is done in well ventilated areas and inhalation of the candle fumes could lead to serious respiratory health concerns, especially in California. Please see individual state guidelines on health advisories. AEMB Inc., your respective school, department and AEMB chapter will not be held responsible in the event that you should injure yourself. If injured, please seek appropriate medical treatment.