

Attributes of a Global Engineer: The AUB Experience

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Outline

- Attributes
- AUB's Experience
- Challenges



Attributes of a Global Engineer

- Team player and good communicator
- Multilingual and open to “other” cultures
- Adaptable to different work environments
- Tolerant towards other beliefs and religions
- Knowledgeable of world History and Geography
- Aware of current events



AUB's Experience

- AUB is located in Lebanon, on the shores of the Mediterranean Sea
- Lebanon is a small country
area: 4000 sq.miles; population: 4 million people
- Lebanon is multi-religious and multicultural
- Lebanon is a democracy and has free press
- Starting in Kindergarten, students learn Arabic, English, French (and Armenian, if parents are Armenian)



AUB's Experience (cont.)
Profile of AUB Engineering students:

- The majority of students are from Lebanon
- Enjoy freedom of expression
- Socially and politically active
- Language of instruction is English



AUB's Experience (cont.)
Profile of AUB Engineering students:

- Required humanities and social science courses
- Trained to think critically and analytically
- Comfortable with team projects both online and face-to-face
- Comfortable with online discussion forums, giving and receiving constructive feedback



AUB's Experience (cont.)
Profile of AUB Engineering students:

- All speak Arabic and English, many also speak French, some also speak Armenian
- Many have travelled abroad
- Many have parents or siblings working or living outside the country



AUB's Experience (cont.)

Profile of AUB Engineering students:

- Required summer internship is spent abroad in most cases
- Career development center helps students find internships and jobs in Lebanon and abroad
- AUB is a member of IAESTE (The International Association for the Exchange of Students for Technical Experience)
- More and more students are taking summer courses abroad (UC Berkeley, Wisconsin, KTH (Sweden)...)



AUB's Experience (cont.)
Profile of AUB Engineering students:

- Participating in international student competitions
- Participating in international student conferences and forums
- Junior year abroad



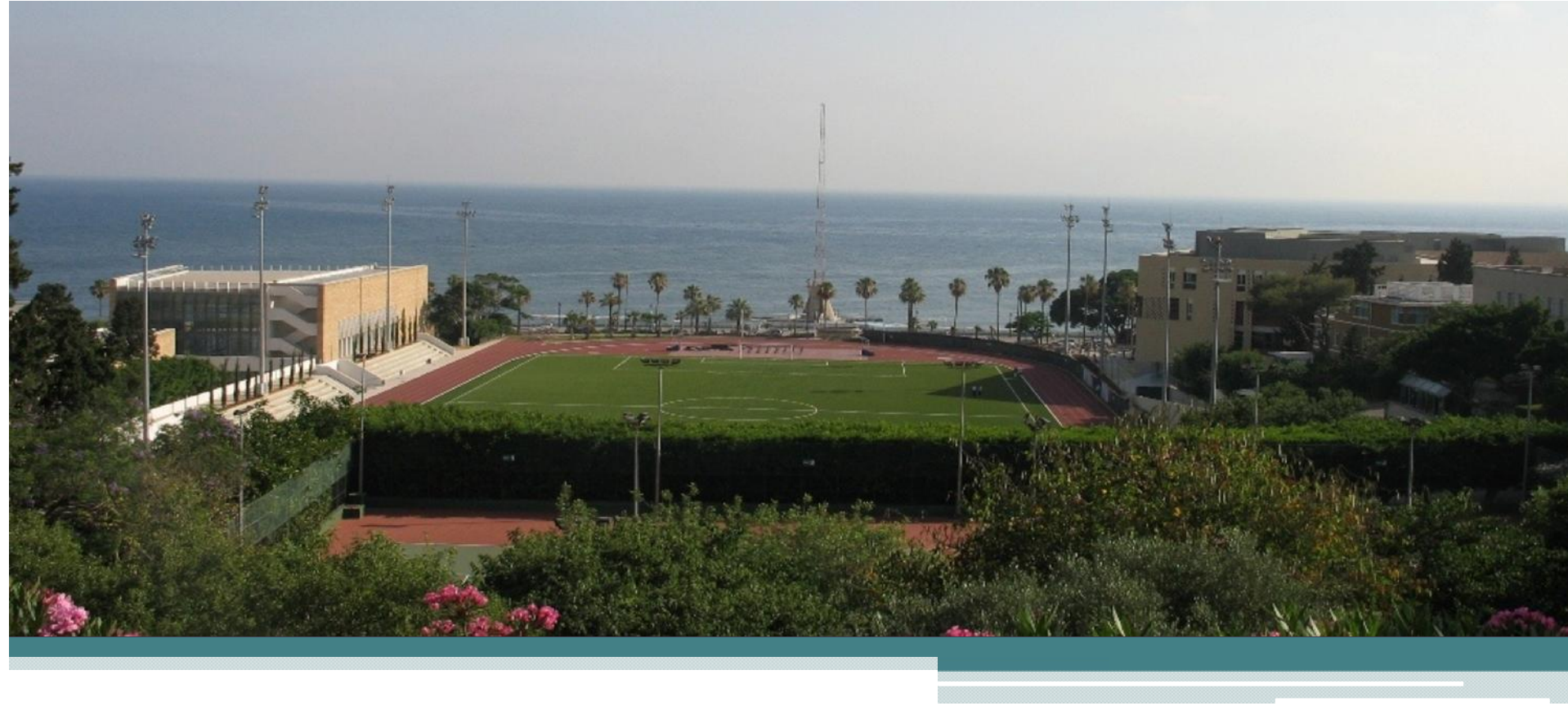
AUB's Experience (cont.)

- About 300 engineers and architects graduate each year from AUB:
 - One third go to graduate schools, mostly in the U.S., some in Europe, some in Lebanon at AUB
 - One third find jobs outside Lebanon
 - One third work in Lebanon for multinational companies
- The graduates must be global to succeed, and they do



Challenges

- Attracting students from other countries to study at AUB
- Active exchange programs among universities
- Overcoming visa restrictions on students to do training or travel abroad
- Funding
- Strengthening international training programs, such as IAESTE



Thank you