

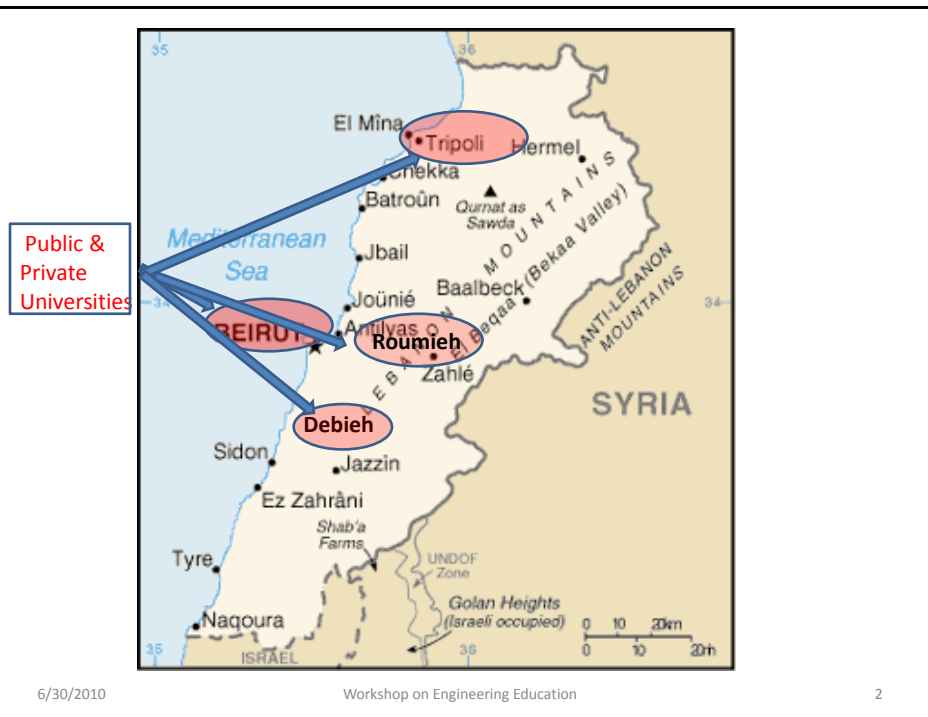
Admission policies in Lebanese engineering universities

Done by: Dr.Zouheir El-Hajj
Head of Electronic and Electrical
Department in LU
Faculty of Engineering

6/30/2010

Workshop on Engineering Education

1



6/30/2010

Workshop on Engineering Education

2

Admissions Policy of the Faculties of Engineering in Lebanese universities

- We seek to foster engineers and researchers who have basic knowledge in science and technology .
- contribute to the development of regional communities and international society.
- We also seek to promote a broad area of research in engineering fields from basic research to practical application while considering harmony between society and the natural environment .

6/30/2010

Workshop on Engineering Education

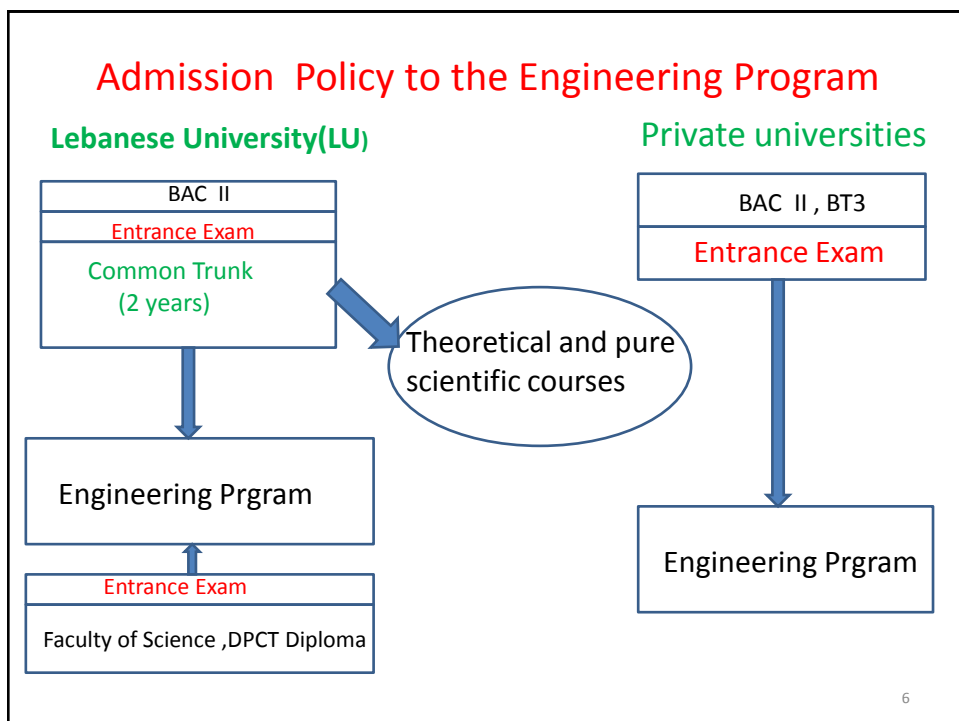
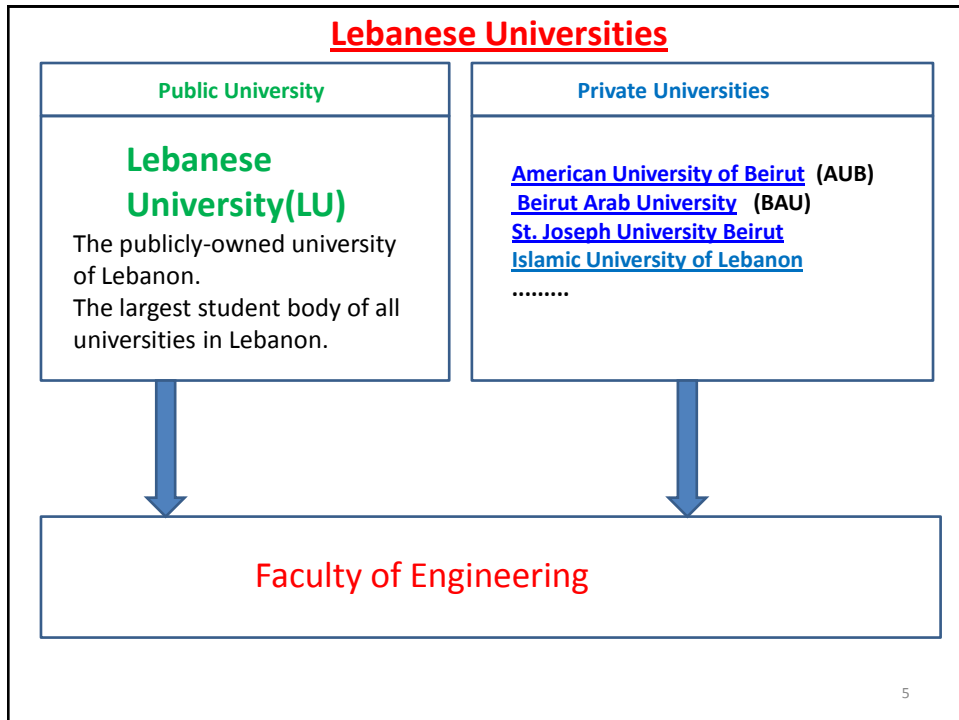
3

- Based on these perspectives, the Faculties of Engineering seek to admit undergraduates who have the basic academic requirements for studying engineering
- are creative and think logically
- are actively motivated to solve new challenges.
- want to acquire a rounded education and leadership skills
- The faculty aims to educate engineering researchers and engineers who can take responsibility for society and business leaders.

6/30/2010

Workshop on Engineering Education

4



Entrance Examination (public university)

Admission to the Common Engineering Core Program

- In order to be accepted :
- Students must succeed one of the following baccalauriate (BAC II): general science ,human science or technical science .
- Any candidate is required to attend an entrance examination which includes the subjects that follow:

• 1. Mathematics	(5)
• 2. Physics	(3)
• 3. Chemistry	(2)
• 4. Foreign language(English or French).....	(1)
• 5. Arabic Language	(1)

6/30/2010

Workshop on Engineering Education

7

Table 1

Entrance exam to the common Engineering Core program at Branch of Beirut

YEAR	French Educated	English Educated	total	Number of accepted students
2000-2001	669	521	1190	180 (15 %)
2001-2002	605	452	1057	215 (20 %)
2002-2003	423	347	770	161 (21 %)
2003-2004	657	495	1152	195 (17 %)
2004-2005	592	496	1088	246 (23 %)
.....
2008-2009	800	750	1550	320 (27%)

6/30/2010

Workshop on Engineering Education

8

Student admission to the Electrical, Mechanical or Civil Engineering Program

- At the end of the last semester in the common trunk and if it is successfully passed , student is accepted , if places are available .
- The entry to this program is also possible for students coming from :
 - a) The Faculty of science of the Lebanese University majors of physics , math, or Chemistry , with a success on 20 credits after two successful years of study of the faculty .
 - b) Bachelor students from the faculty above or equivalent with similar as above .

6/30/2010

Workshop on Engineering Education

9

c) DPCT diploma (Diplôme professionnel du cycle technique) from LU Institution of Applied Science.

- These students have to pass an entrance exam and places must be available .
- holders of a Bachelor in Science or equivalent may sit for the 3rd year entrance exam (i.e. first specialty year).
- The seven written tests are obligatory: **Math's, Physics, Chemistry, Mechanics, Statics, Computers, and Foreign Language** (French or English).

6/30/2010

Workshop on Engineering Education

10

Table 2
Number of students in each department

YEAR	Common Trunk	Electronic Engineering	Mechanical Engineering	Civil Engineering
2000-2001	321	148	97	71
2001-2002	343	144	114	54
2002-2003	314	151	103	45
2003-2004	325	174	99	32
2004-2005	400	168	120	40
.....
2008-2009	320	135	156	90

6/30/2010

Workshop on Engineering Education

11

Entrance Examination (private universities)

- In order to be admitted into a private university, a candidate is required to sit for an Entrance examination .
- The entrance test(s) include the following subjects:
 1. Mathematics
 2. Physics
 3. Chemistry
- Moreover, this candidate should have passed TOFEL and SAT exams before applying to universities following the American system.

6/30/2010

Workshop on Engineering Education

12

American University of Beirut(AUB)

- A private, non-sectarian institution of higher learning, considered one of the oldest and respected educational institutes in Lebanon.
- The American University of Beirut seeks students of sound character and demonstrated academic achievement and promise.
- The University values its strong ties with its alumni and considers the attendance of alumni children important to the maintenance of these ties and to the continuation of its traditions.

Arabic university

- **ADMISSIONS**
- **Admission to Undergraduate Study**
- To be accepted for an undergraduate degree, applicants must:
- hold the official Lebanese Secondary School Certificate in a branch relevant to the chosen undergraduate field of specialization, or an official equivalent;
- pass the relevant admission examinations

- BAU exempts four students of the top ten in the Official Lebanese Secondary School
- The Admission exams contribute 60% towards the Placement score and the other 40% is derived from the total score received on the Secondary School Certificate
- The Admission council will evaluate applicants and final acceptance will be based on the applicant's qualifications and availability of places.

Entrance Examination (LIU)

- Any candidate is required to sit for an Entrance examination and pass the TOFEL with a minimum of 535 and satisfy the University English Requirements, UER.
- The entrance test(s) include the following subjects:
 1. Mathematics
 2. Physics
 3. Chemistry

Assessments of Entrance Examinations

50 % of Scores from the
governmental examination

+

50 % of entrance
examination

Lebanese Baccalaureate or its
equivalent

Subject	Score	Placement
MATH	0 – 60 %	Rejected
PHYS	0 – 50%	Rejected
CHEM	0 – 50%	Rejected

6/30/2010

Workshop on Engineering Education

17

Conclusions

- Applicants must have completed an academically challenging secondary school program.
- Candidates should also have read broadly outside of class and developed the ability to communicate ideas effectively.
- Achievement in secondary school is the best single predictor of academic success in the engineering Universities.

6/30/2010

Workshop on Engineering Education

18

