

# Morocco

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# Location

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**An African country, at the crossroads of East and West, in close proximity to Europe (only 14 km from Spain),**





Ifrane

Algeria

MOROCCO  
dirham.com



# Facts About Morocco

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- ◆ Country name : Kingdom of Morocco
- ◆ Capital City & population : Rabat. 2,445,000
- ◆ Total population & Total Area : 32,726,000
- ◆ Size: 710,850 square km, Coast : over 3,500 km
- ◆ Religions : Islam, Judaism, christianism
- ◆ Languages : Arabic- Berber, French
- ◆ Political parties : 26 political parties of all tendencies: right-wing, center, left-wing, in addition to the Islamist parties.
- ◆ Industries : phosphate, rock mining and processing, food processing, leather goods, textiles, construction, tourism, silver,...

# Economic Demographics



Exchange rate is



1 Euro = 11.30 Moroccan Dirham

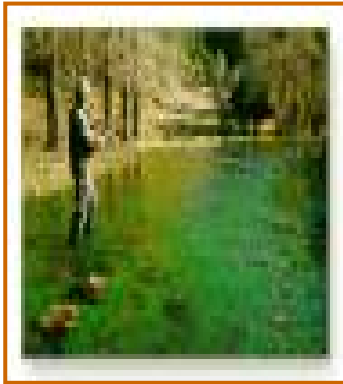
Morocco is **\$18.8 Billion** in **debt**

Second largest **economy** in Africa

Has **Africa's first** and **most reliable 3g** network

# Climate

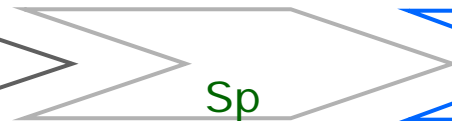
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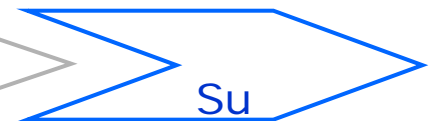
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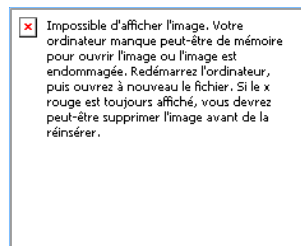
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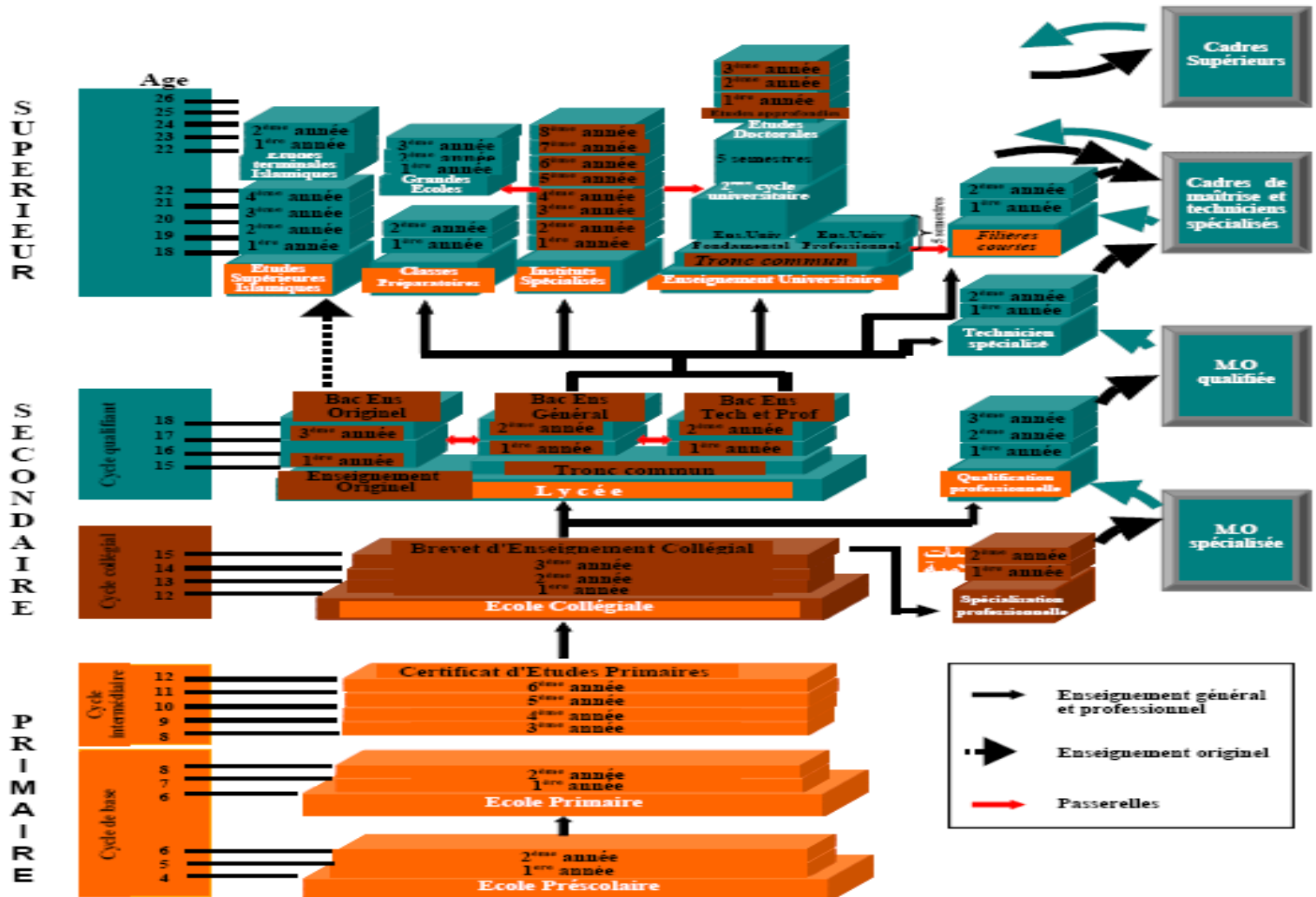
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# Culture

- Morocco = rich culture and civilization
- Phoenicians, Jewish, Arabs, Subsaharian Africans, Romans, and Vandals...(impact on the social culture)



# Education System



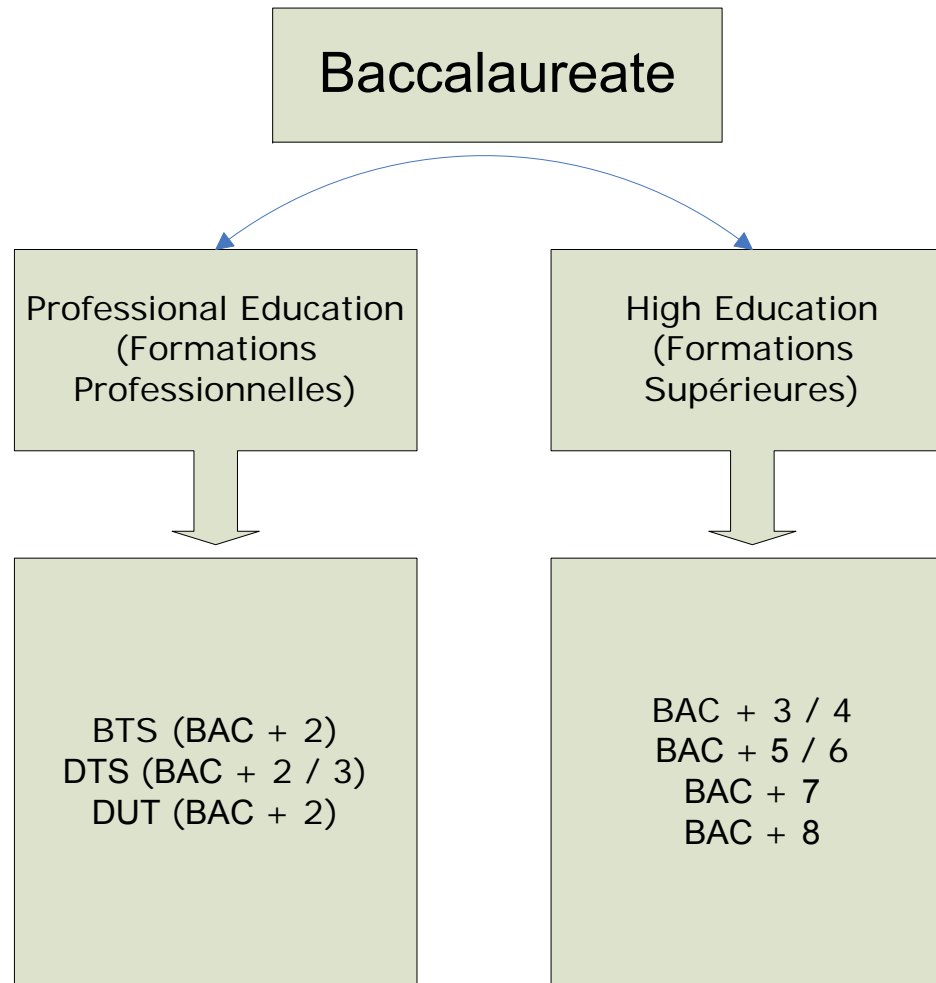
# Education System

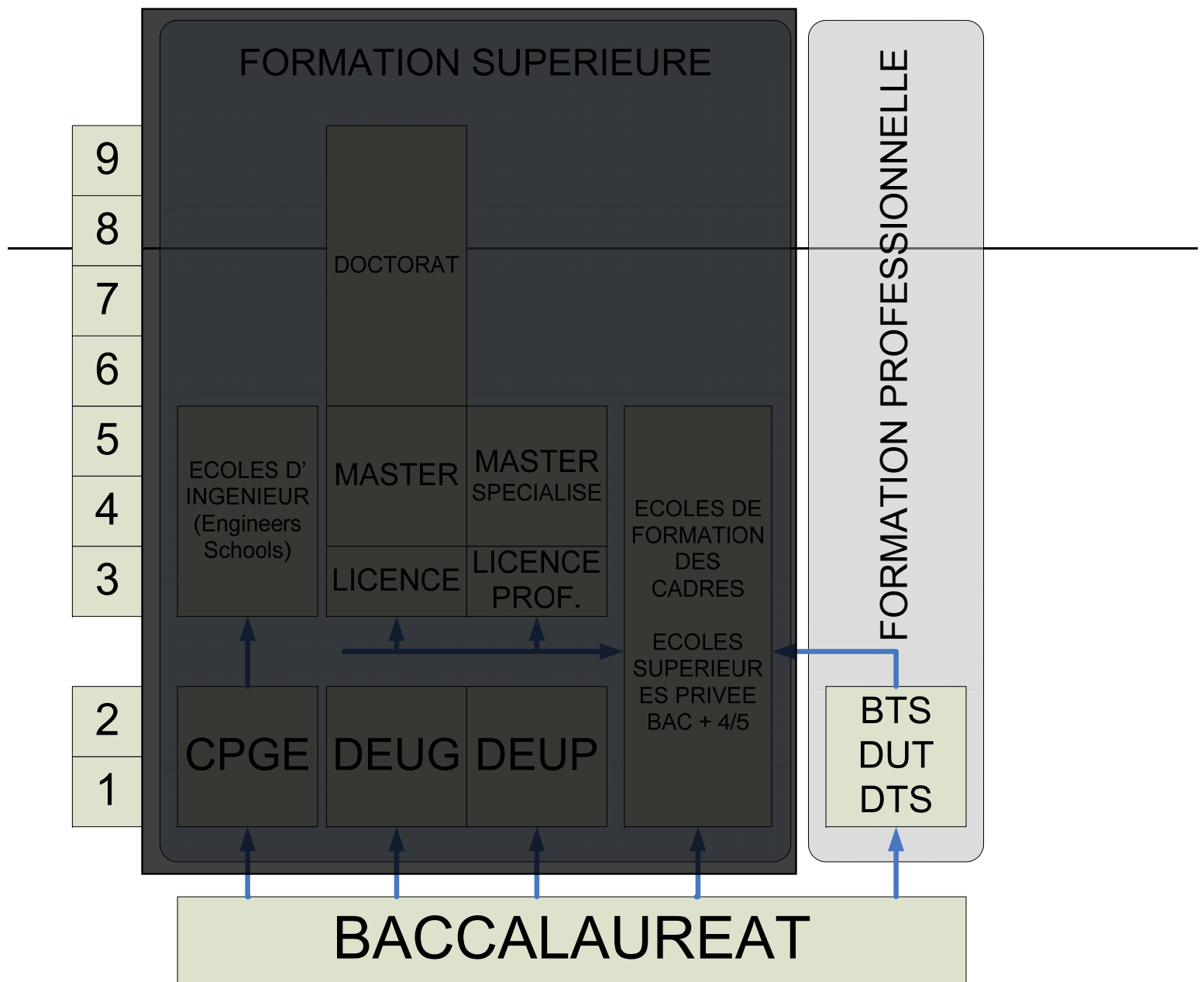
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- **Pre-School Education**
  - Children < 6 years
  - Kindergarten and Koranic schools
  
- **Primary Education**
  - 6years for children between 6-12
  - Certificat d'etudes primaire
  
- **Secondary Education**
  - 3 years of lower middle school
  - After 9 years of basic education , students begin upper secondary school
  - 1 year common core curriculum
  
- **Higher Education**
  - Private and Public universities
  - Public universities require baccalaureate, while some schools require competitive special tests

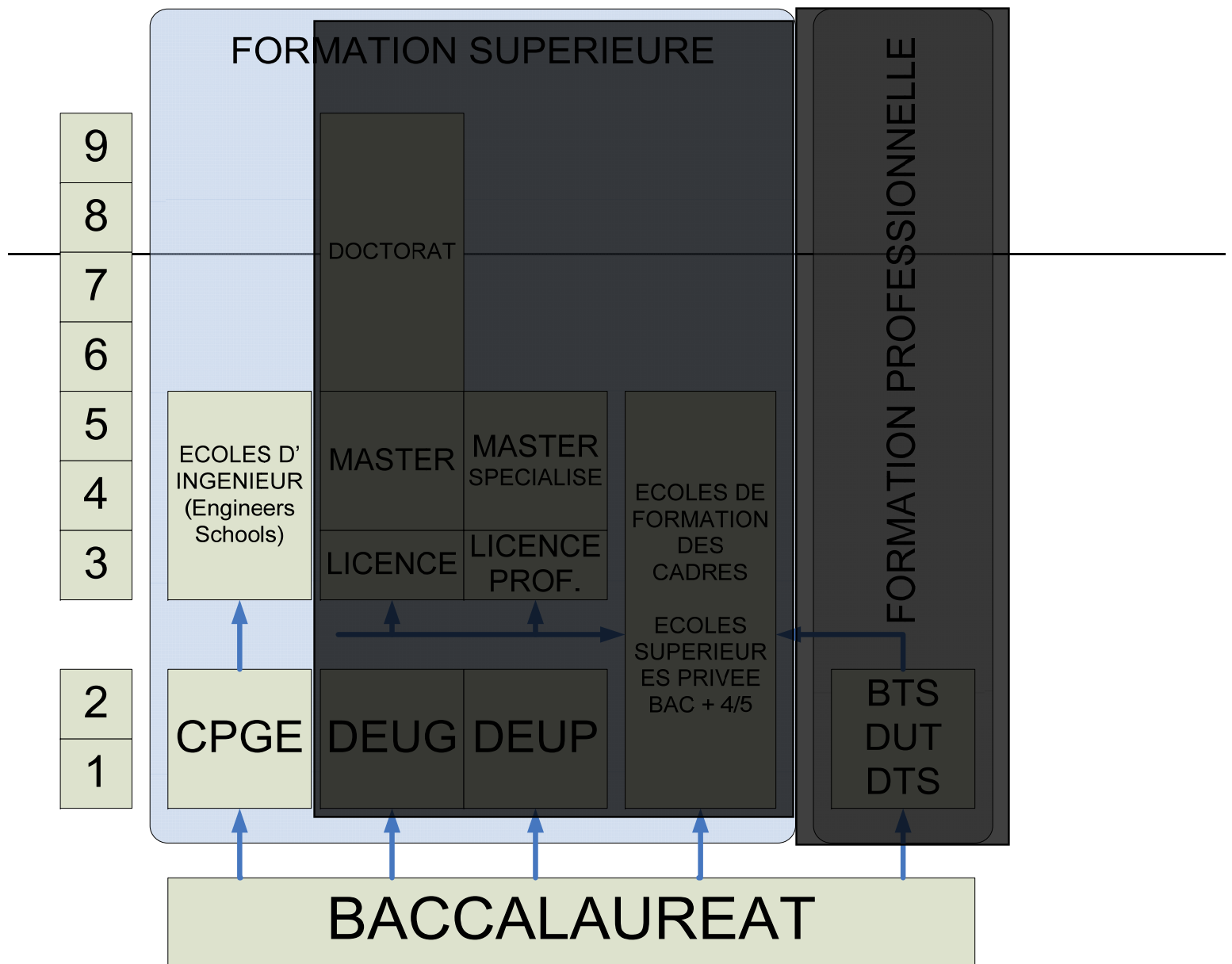
# What after the Baccalaureate?

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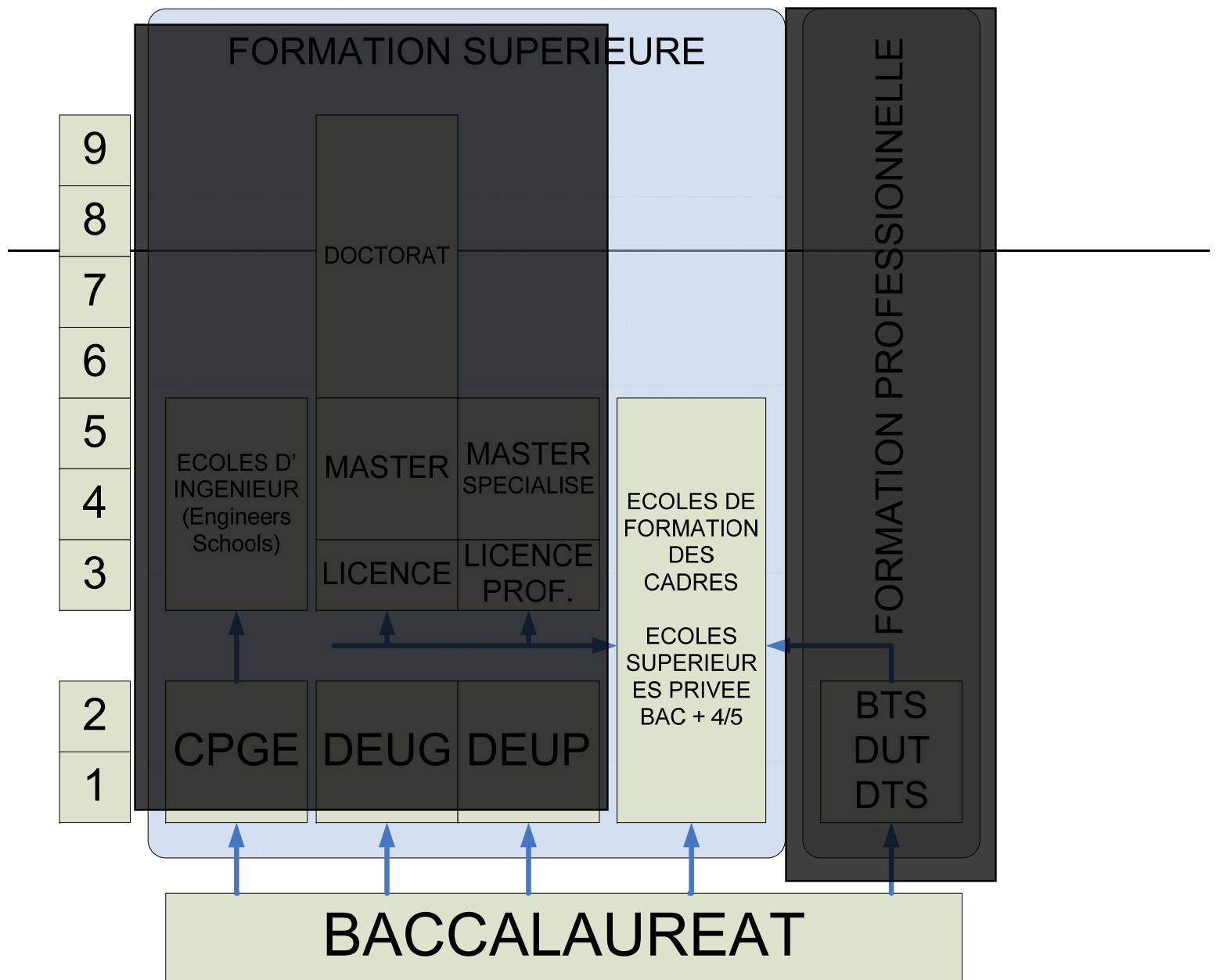




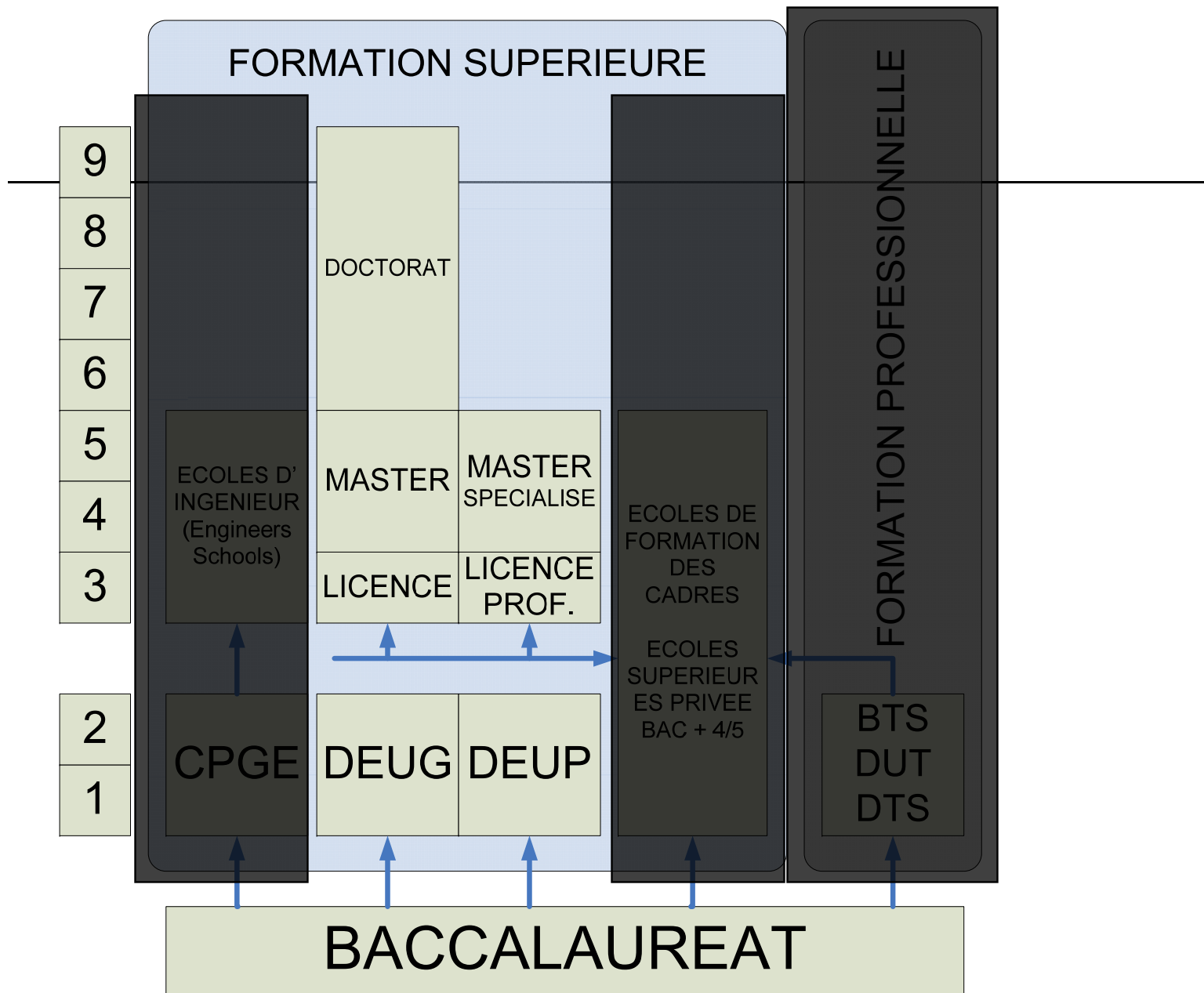
This kind of education aims to ensure the training of operational profiles that the companies are seeking



- Most prestigious educational institutions.
- 2 years (CPGE) + CNC + 3 years of study

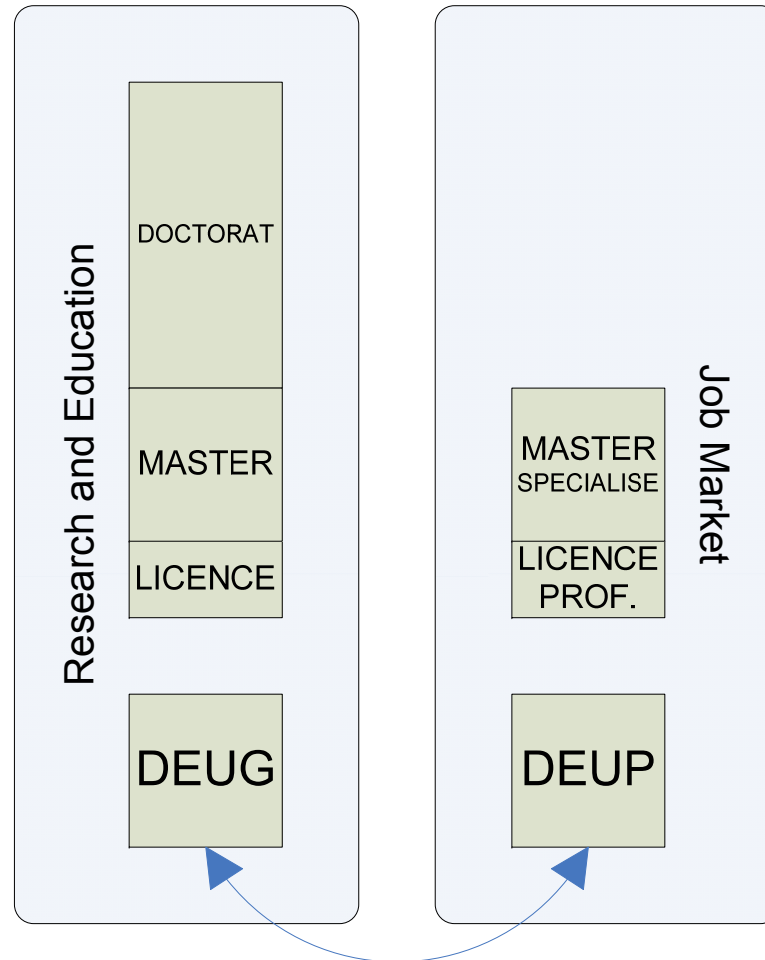


- Executives and managers
- Management, Finance, Administration, and Business studies



# Higher Education

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# *Al Akhawayn University in Ifrane*

- Founded in 1993 and started in 1995.
- Over 25 nationalities
- Ifrane: population 12,000. Elevated at 1600m above sea level
- the middle Atlas Mountains, the largest Cedar Forest in North Africa
- Ski station: 30mn East
- Atlantic coast: 2hrs West
- Sahara desert: 6hrs South



# Al Akhawayn University in Ifrane (AUI)

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- About 83 full-time and 12 part-time faculty members
- most faculty members hold PhD's or doctorates
- 50% of faculty members are Moroccan
- Almost 1500 students. 50% female and 50% male
- 160 students of 28 different nationalities in different programs.
- A ratio of ~12 students for each full time faculty member
- An Average of 17 students per class

# Al Akhawayn University in Ifrane (AUI)

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## ○ Schools

- School of Business Administration (SBA)
- School of Science and Engineering (SSE)
- School of Humanities & Social Sciences (SHSS)
- Language Center(1 of 4 to be accredited outside the US by the Commission on English Language *Accreditation*(CEA))

## ○ Office of International Programs

- advises AUI students about study abroad and administers exchange programs
- coordinates services for international degree seeking and exchange students as well as visiting scholars at AUI
- administers special scholarships and endorses opportunities that promote pursuit of international experience

# Admissions

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## ○ UNDERGRADUATE ADMISSIONS

- Evaluation of secondary school grades
- General Admission Test (GAT) score of 1000
- Satisfactory interview
- A TOEFL score of 530 and 4.5 in writing or the equivalent in iBT of 71 and 19 in writing section

## ○ TRANSFER

- at least one year of college-level work
- minimum equivalent of 30 semester Credits
- a minimum grade point average of 2.5 / 4.00

# Admissions

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## ○ GRADUATE ADMISSIONS

- A bachelor's degree from an accredited institution, or equivalent
- Strong academic average in "Licence"
- 'B' in US higher education model
- Satisfactory interview
- TOEFL score of 550 and obtain a 5.0 score over 6.0 in writing

## ○ GRADUATE TRANSFER ADMISSION

- a minimum grade point average of 3.00 on a 4.00
- A maximum of 12 semester credits are transferable
- Courses in which a grade of 'C' or lower has been obtained will not be considered for credit transfer.



# Tuition and Financial fees

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- 15 credits with room and board is about 48 000 Dirhams per semester for Moroccan students. For international students 62 000 Dirhams per semester
- 1/3 of students receive some kind of assistance in the form of scholarships, part-time jobs, and special interest rates on bank loans.
- Merit-based and some need based aid is available to Moroccan citizens and international students.

# Academic Regulations

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- Regular Semester and Summer Session Course Load
  - Regular Semester→five courses (15 credit hours)
  - summer session→two (up to 7 credit hours)
- Class Attendance and Absence Policy
  - Absences are controlled by faculty members.
- General Grading Policy

Letter Grades	Grade Points	Percentages
A	4.0	90-100
B	3.0	80-89
C	2.0	70-79
D	1.0	60-69
F	0.0	Below 60

# Student Life

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## ○ Housing Services

- 21 dormitories, 17 of which are for students. Some faculty and staff reside on campus in separate buildings
- All students are housed in a single or double room

## ○ Maintenance and Cleaning

- Student rooms are cleaned once every two weeks free of charge.
- All Maintenance requests such as electricity, plumbing and woodwork, should be reported to the Hall Director or call 700.

## ○ Visitation and Guest Policy

- The dormitories at AUI are strictly segregated by sex.
- possibility to book a room or apartment for your visitors on campus if available.

# Student Life

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## ○ Restaurant Services

- The university offers 4 self-service restaurants and a coffee shop for the AUI community
  - ✓ The Moroccan and International Restaurant
  - ✓ The Grill
  - ✓ The Pizzeria
  - ✓ Sodexo
  - ✓ The Café
- The Campus Store

## ○ Athletic Facilities

- Soccer field and a track for official and intramural team sports
- multi-purpose room (used for aerobics, salsa, martial arts...)
- indoor gymnasium and a weight room
- Olympic size swimming pool
- three outdoor tennis courts



# Student Life

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## ○ Clubs

- Over 40 active student organizations at AUI
- humanitarian, leadership and cultural organizations to dance, language, business, computer science, theater and other groups.

## ○ Movies and Parties

- Professional DJs are hired for campus parties.
- Films are shown every week.

## ○ Talent Show

- AUI students demonstrate their personal or group talents at the AUI Talent Show



# Student Life

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- Library
  - The number of titles in print is 70,000 and growing
  - The library now has a wireless internet system.
  - A student may borrow up to 6 books for 15 days.
- Postal Services
  - Post Office with post office boxes for regular students.
- Clothing on campus
  - The dress on campus is casual like most North American and European universities.

# Student Life

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- Social life
  - Gender Separation (housing)
  - Campus University, Curfew
  - No-Alcohol Policy (on-campus)
- Religious Services
  - mosque in the center
  - church in the off-campus residences
- Clothing on campus
  - The dress on campus is casual like most North American and European universities.

# AUI/TUM Dual Degree Program

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- Five semesters instead of seven
- Both institutions have to agree on a study plan
- TUM will transfer up to 30 ECTS, and AUI will transfert up to 6 SCH
- TUM and AUI students should have been admitted into the MS program of Informatics at their home institutions

# AUI/TUM Dual Degree Program

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- TUM Students Admission to AUI
  - Good English
  - Must be admitted into the DD in TUM
  - 6 SCH will be transfered from AUI
- AUI Students Admission to TUM
  - Good English with some german skills or should be willing to learn some german during their studies
  - Must be admitted into the DD in AUI
  - 30 ECTS will be transfered from TUM

# AUI/TUM Dual Degree Program

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- Conversion of Credits and Grades
  - Credits: 1 SCH = 2 ECTS
  - Grades: Only grades between 1.0 and 2.3 at TUM are transferable to AUI.
  - Only A and B of AUI are transferable to TUM, with grades of 1.0 and 2.0, respectively
- Financial Considerations
  - TUM students will have to pay the TUM tuition fee for the entire TUM's M.Sc. program.
  - Students from AUI pay the appropriate tuition fees to AUI during their entire studies.

# Personal Experience

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- 3 years in Mohammed 5 University
  - Baccalaureate in 2005
  - DEUG 2007 (mention)
  - Went to France (only 2 months )
  - License 2008 (mention)
- AL Akhawayn University
  - Language Center 1<sup>st</sup> semester at AUI
  - 8 Foundation Courses for 2 semesters
  - Got merit-based scholarship after the 1<sup>st</sup> semester of FC
  - 1 Master semester
- Dual Degree Program (in progress) 😊

# Professional Education

## ○ DTS

- Diplôme de Technicien Spécialisé
- Ensures the training of operational profiles that the companies seek more and more.
- Insertion rate is 70% (2003)
- More than 40 specializations

## ○ BTS

- Brevet de Technicien Supérieur
- Practical and professional trainings
- Very selective
- Reserved for Technical Baccalaureate
- No perspectives to continue the education in Morocco

## ○ DUT

- Diplôme Universitaire Technique
- Polyvalent Technicians
- Very selective, based on written examination and oral interviews
- More than 10 specializations
- Opportunities to continue the education for a « high diploma »  
diplôme supérieure

# Higher Education

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- Ecoles de Formation de Cadres (Executives, managers)
  - ISCAE, ENCG... Prestigious public institutions.
  - Delivers Management, Finance, Administration, Business... profiles that are highly welcomed by the companies.
  - Are quite selective.
  - Going towards delivering Bac + 5 diploma for equivalence with the University.
- Ecoles Supérieures Privée (Bac + 4 / 5)
  - Educational Institutions Accredited by the government.
  - Deliver diplomas that are equivalent to state-delivered ones.
  - Different educations (BTS, Licence, Bachelor, MBA...)
  - Different educations quality, ranging from excellent to poor.
  - Different pricing, maximum 9000 Euro/year (tuition + accommodation)

# Higher Education

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- CPGE (Classes Préparatoires aux Grandes Ecoles)
  - The way to go for the students who want to get into the Engineers Schools.
  - Reserved for the best scientific students.
  - 2 years of study followed by the CNC (Concours National Commun).
- Ecoles d'ingénieurs (Engineers schools)
  - The most prestigious educational institutions in Morocco.
  - Very elitist and selective.
  - The majority of the schools will recruit students based on the CNC (Concours National Commun)
  - 3 years of study to deliver a diploma of Ingénieur d'Etat (State Engineer)

# The University of Mohammed V

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## Rabat, MOROCCO



# Historical Background

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- Mohammed V University
  - **First modern university**
  - **Created after the independence of Morocco: 1957**
  - **Training of Moroccan executives**
- University of Mohammed V – Souissi
  - **Creation in 1992 as a result of a split**
  - **Creation of a Souissi campus Al Irfane**



# Numbers & Facts University Mohamed V Rabat

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- 908 technicians and administrative staff
- 989 professors (all PHD Laureates)
- 332 temporary staff
- 3785 new students in Bachelor and University Diploma in Technology
- 415 new students in engineer cycle



# Numbers & Facts University Mohamed V Rabat

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- 11 834 students registered in Bachelor's degree or University Diploma in Technology cycle
- 1166 registered in engineer cycle
- 775 new students in Master's degree or Specialized Master
- 3214 registered in Doctorate
- 672 State Doctorate

# Colleges at university Mohamed V Agdal

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- Faculty of Letters and Human Sciences
- Faculty of Law, Economics and Social Sciences
- Faculty of Sciences
- University Diploma of Technology
- Mohamedmedia school of engineering



# Faculty of Letters and Human Sciences

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- Philosophy
- Sociology
- Psychology
- History and civilization
- Geography
- Arab studies
- French studies



# Faculty of Letters and Human Sciences

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- English studies
- Hispanic studies
- Italian studies
- Portuguese studies
- German studies
- Islamic studies



# Faculty of Law, Economics and Social Sciences

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- Public law (in Arabic)
- Public law (in French)
- Private Law (in Arabic)
- Private Law (in French)
- Economic Sciences and management.



# Faculty of Science

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- Mathematics and computer Science
- Mathematic
- Physics
- Chemistry
- Earth and Universe Sciences
- Life Sciences



# University Diploma of Technology

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- Environment and water technique
- Management technique
- Industrial maintenance
- Marketing technique
- Computer Engineering
- Civil Engineering



# University Diploma of Technology

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- Bank and financial Marketing
- Industrial Engineering and Maintenance
- Construction and energy building
- Computer Networks Administration



# Mohammadia School of Engineers

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- department of Civil Engineering
- department of Electrical Engineering
- department of Electrical Energy
- department of Industry Engineering
- department of Computer Science
- department of Mechanical Engineering



# Mohammadia School of Engineers

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- department of Mineral Engineering
- department of Modelling and Scientific Computing
- department of Process Design

# Conditions of Admission to the EMI

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- Through a competitive process open to candidates regularly enrolled in preparatory classes.
- Through a competitive process, subject to availability, open to candidates with a DEUG .
- After reviewing the case, admitted in 2nd year of application engineers and holders of certain masters or licenses not exceeding the age of 24
- Be under 22 years to the date of the contest.

# Some Achievements of The EMI

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- First Internet node in Morocco introduced by EMI.
- First School which introduce in 2003 the Internet country code top-level domain ".ma".
- First School introducing the Electrical Engineering 's Bachelor degree.

# Colleges at university Mohamed V Souissi


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- Faculty of medicine and pharmacy
- Faculty of dental medicine
- Faculty of education
- 2 Faculties of law, economics and management
- Engineering School of Information Technology and System Analysis (ENSIAS)

# Faculty of medicine and pharmacy

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- Very elitist and selective.
- Students need to exceed a certain grade .
- Students are selected based on a competitive process called (concours).



# Engineering School of Information Technology and System Analysis

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- Software engineering
- Business Intelligence
- E-logistic
- Telecommunication and network engineering
- IT security



# *National institute of post and telecommunications*

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- Telecom network engineering
- Computer Engineering
- Multimedia engineering
- Information engineering
- Management of telecommunications
- Telecom Systems Engineering
- Software engineering

# *National institute of post and telecommunications*

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- Student of Preparatory Classes  
Mathematics / physics (National Examination)
- Bachelor degree (LMD system)  
Mathematics Physics or computing, within the scope of 20% of places available and after a selection.
- Holder of Master in Mathematical Sciences or Physics or an equivalent degree
- These two last profiles go through a competitive entrance examination.

# LMD System

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- A clearer presentation of the degree courses by field of study, organized as study paths, leading to degrees that are recognized throughout Europe,
- Increased national and international mobility,
- Greater flexibility for each student in terms of both the content and the time taken to complete the degree courses,
- Improved access to further education at any age.

# LMD System

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- Courses are organized by semesters
- Licence with 6 semesters (three years of study and the equivalence of the BA i.e. Bachelor Degree)
- Master degree of two years of study (4 semesters)
- Doctorat Doctorate studies of three years of research (6 semesters)



# The Module

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- Basic unit of university education assigned in one semester
- It consists of 1 to 2 coherent and autonomous disciplinary elements
- Each module has a minimum of 75 hours of study
- Courses can be taught in the form of theoretical courses and/or directed works and/or practical works



# The Semester

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- The semester is the period of time necessary to complete a module
- The academic year is divided into two academic semesters
- A semester counts 16 weeks of study and assessment
- It includes at least 360 hours of study(4 Modules in average)

# Course of Study „Fillière“

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- A course of study is a training curriculum structured in the form of coherent set of modules.
- The bachelor's level comprises 24 modules.
- 1 semester of introduction, 1 semester of orientation, 2 semesters of upgrade knowledge, 1 fundamental semester and 1 semester of specialisation.

# Validation

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- A module is validated if its global mark is superior or equal to 10 out of 20.
- Global mark includes final exam and exercises work and/or practical work if any.
- The module should not have any mark lower than a given threshold(5/20 in general).

# Similarities between TUM and UM5A

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- The Same way of examination except 25% of exercises work.
- Attending lectures and exercise sessions is not sufficient to succeed.
- Attendance is not required except for exercise session.

# Differences between TUM and UM5A

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- TUM provides a better infrastructure than UM5A.
- TUM has a lot of facilities for research (funds and research materials).
- Studies at UM5A are more theoretical.
- Computer science courses are not sufficient for the MI bachelor course of study .



# THANK YOU FOR YOUR ATTENTION

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QUESTIONS ?