

A 60 000 m<sup>2</sup> campus  
500 dorm rooms  
2 university canteens - 4 university cafeterias  
A gym with an indoor swimming pool  
Library  
Health Service

**esprit**  
Responsible Learning  
HONORIS UNITED UNIVERSITIES

ESPRIT SCHOOL OF ENGINEERING

**BE THE NEXT  
GLOBAL DATA SCIENTIST**

## AN ENGINEERING PROGRAM ON AN INTERNATIONAL SCALE

A vibrant student life where you can participate in enriching extracurricular activities relating to arts and culture, sports, special interests and community service

40+ subsidized clubs

Integration days, **mentorship of international students**



**700** Graduates each year



**40** Dual degree per year



**229** Full-time instructors



**1600** Newly enrolled each year



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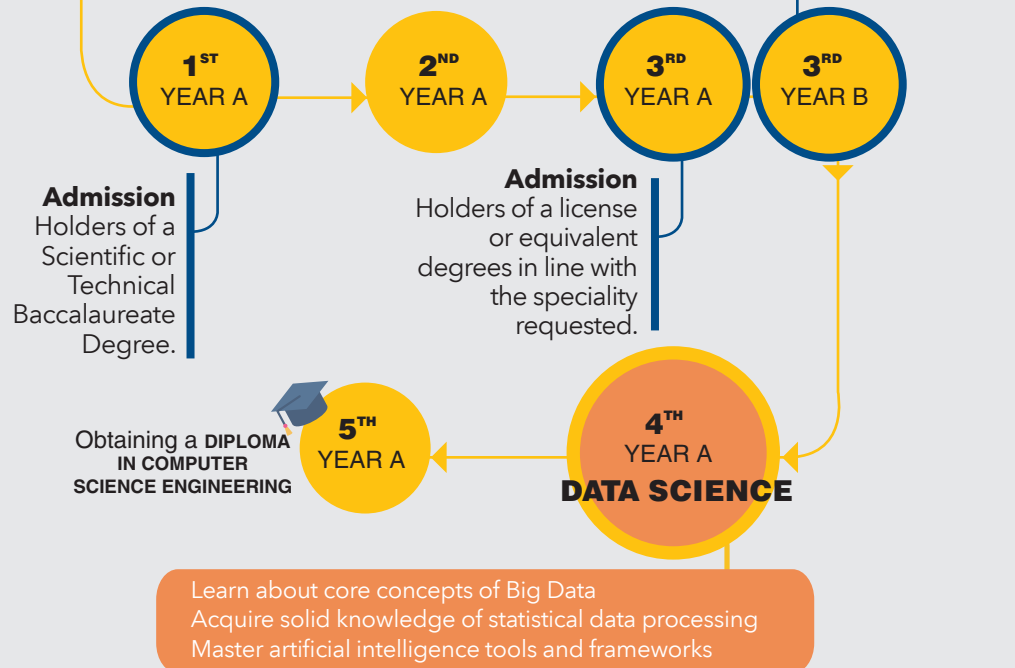
## WHY AN INTERNATIONAL PROGRAM?

Esprit offers an International Program that provides students the opportunity to receive quality education by means of English-taught courses and to benefit from **SUPPLEMENTARY ADVANTAGES AND INTERNATIONAL EXPERIENCES.**

**A considerable professional asset in a global labor market!**



### A 100% ENGLISH-TAUGHT PROGRAM



## THE ADVANTAGES OF THE INTERNATIONAL PROGRAM



**An internationally recognized diploma**



**Access to a global labor market after graduation**



**Student mobility opportunities**



**Intercultural experience**

### STUDY PROGRAM

#### 1<sup>ST</sup> YEAR A

Procedural Programming 1  
Fundamentals of Math 1  
Multimedia Software Tools  
Computer Systems and Networks  
CCC\* F1  
PBL0  
Procedural Programming 2  
Fundamentals of Math 2  
Electronics 1  
Project 1A  
CCC\*A1

#### 2<sup>ND</sup> YEAR A

Web Technology project  
Communication Networks  
Network fundamentals  
Systems and Scripting  
Database  
Fundamentals of Math 3  
CCC\*A2  
Object-oriented Programming using C++  
C++ Project  
Microcontroller Architecture  
Fundamentals of Math 4  
CCC\*F2

#### 3<sup>RD</sup> YEAR A

Unified Modeling Language UML  
Object-oriented design and Java  
Programming  
English For Engineers  
Operating system  
Administration and Security: Unix  
Numerical Methods for Engineers  
Scientific computing  
IP essentials  
Switched Networks  
IPNet routing  
CCNA Certification  
Financial Analysis  
Business Environment  
Software Engineering and Case Tools  
Database Management System  
Programming for Mobile Terminals  
Web Technologies 2.0  
Integrated Development Project  
Estimation Techniques for Engineers  
Language Theory  
CCC\*F3  
Worker Internship

#### 3<sup>RD</sup> YEAR B

Algorithms and data structures  
C Programming Project  
Microcontroller Architecture  
Electronics P  
Networks and TCP/IP Protocols  
Communication methods and technologies  
Estimation Techniques for engineers  
English For Engineers  
Web technologies 1  
Database Management System  
Unified Modeling Language (UML)  
Object-oriented design and Java  
Programming  
Numerical Methods for Engineers  
Scientific Computing  
Operating system  
Administration and Security: Unix  
Financial Analysis  
Business Environment  
CCC\*F3  
Worker Internship

#### 4<sup>TH</sup> YEAR DATA SCIENCE

**Semester 7**  
CCC\*F4  
Intellectual Property Law  
Information Systems Architecture I  
Service-Oriented Architecture  
Graphs and applications  
Linear Programming  
Operations Research and complexity Project  
Service and Network  
Administration  
Statistics  
Probability 1  
Machine Learning  
Industry Immersion Internship  
**Semester 8**  
Computer Security  
Database Administration  
Advanced Operating System  
English For Engineers  
Information Systems Architecture II  
Project Management  
Innovation and Entrepreneurship  
Big Data Analytics  
Deep Learning  
Data Science Project

#### 4<sup>TH</sup> AND 5<sup>TH</sup> YEARS DATA SCIENCE

**Semester 9**  
Personal Skills A  
Personal Skills F  
AI & Cognition Project  
NoSql Databases

Deep Learning 2  
Time Series  
Optimization for ML  
Probability 2  
Engineering Internship

**Semester 9**  
End of studies Project

\*Communication, Culture and Citizenship : CCC