Mediterranean Institute of Tunis
MIT Polytech

Mediterranean
Institute of Tunisia

Engineering School
Since 2013

Mechatronics Engineering

1.
Presentation of MIT Polytech

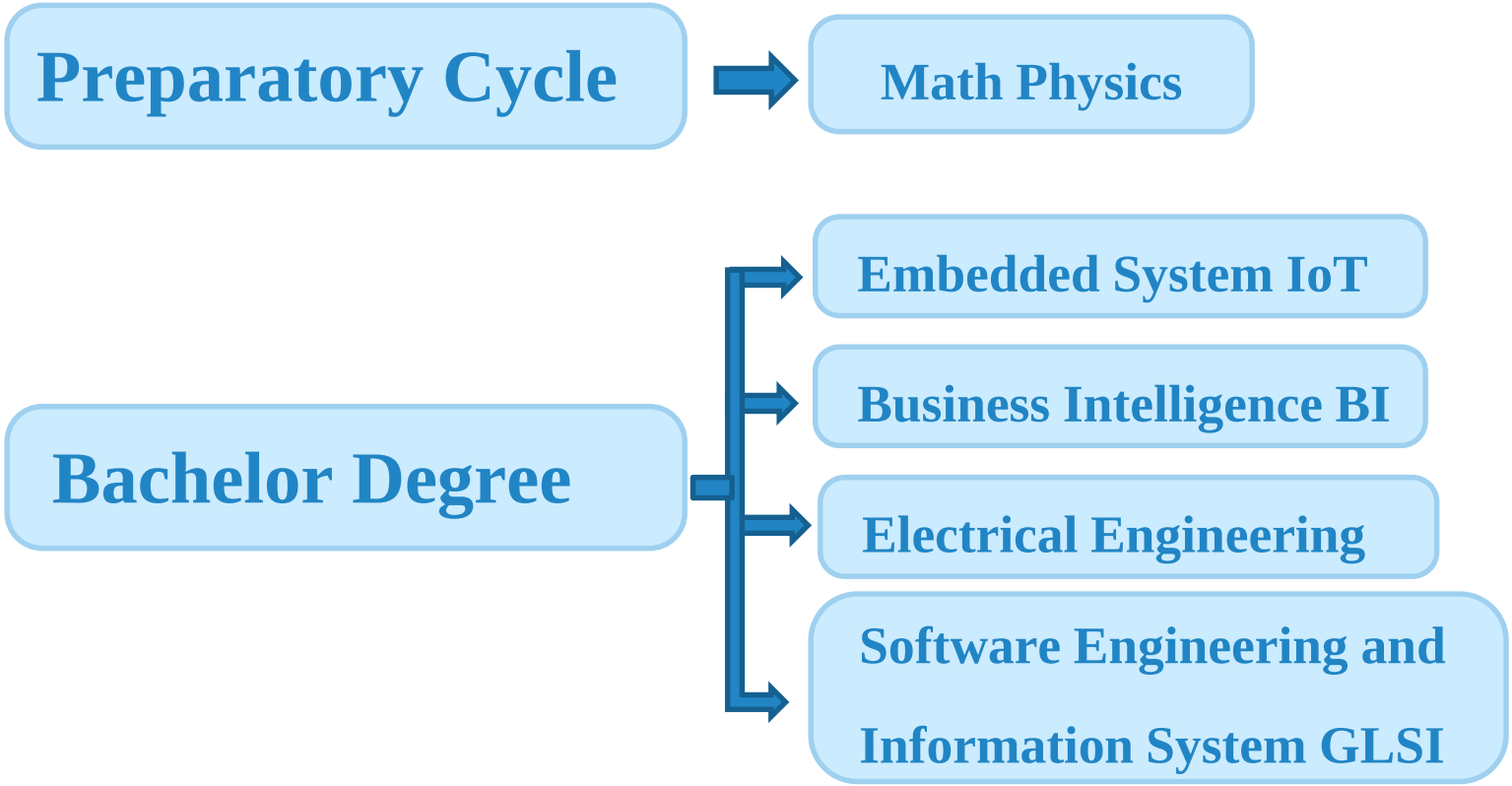
Who Are We?

Mediterranean Institute of Tunis

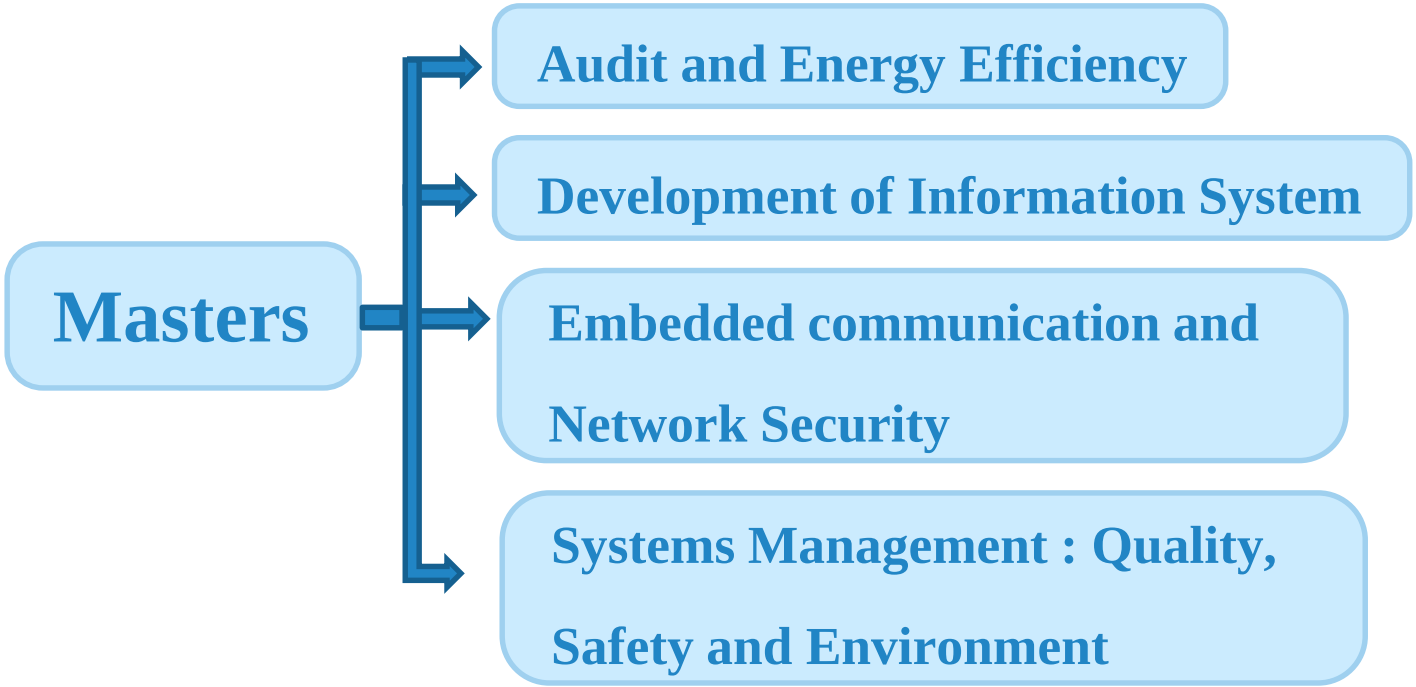
- **Ecole Polytechnique Méditerranéenne Privée de Tunis, EPM de Tunis (Mediterranean Institute of Tunisia: MIT Polytech)**
- **Initial Agreement date by Ministry** : 2013
- **Activity**: Education (University; High school)
- **Address** : 2, Rue de Sousse 1006Tunis
- **Phone** : 216- 71 283416 ; **Fax** : 216- 71 283 419
- **Web Site :** www.mit.tn; www.mit-polytech.tn , contact@mit-polytech.tn

2.
Degrees

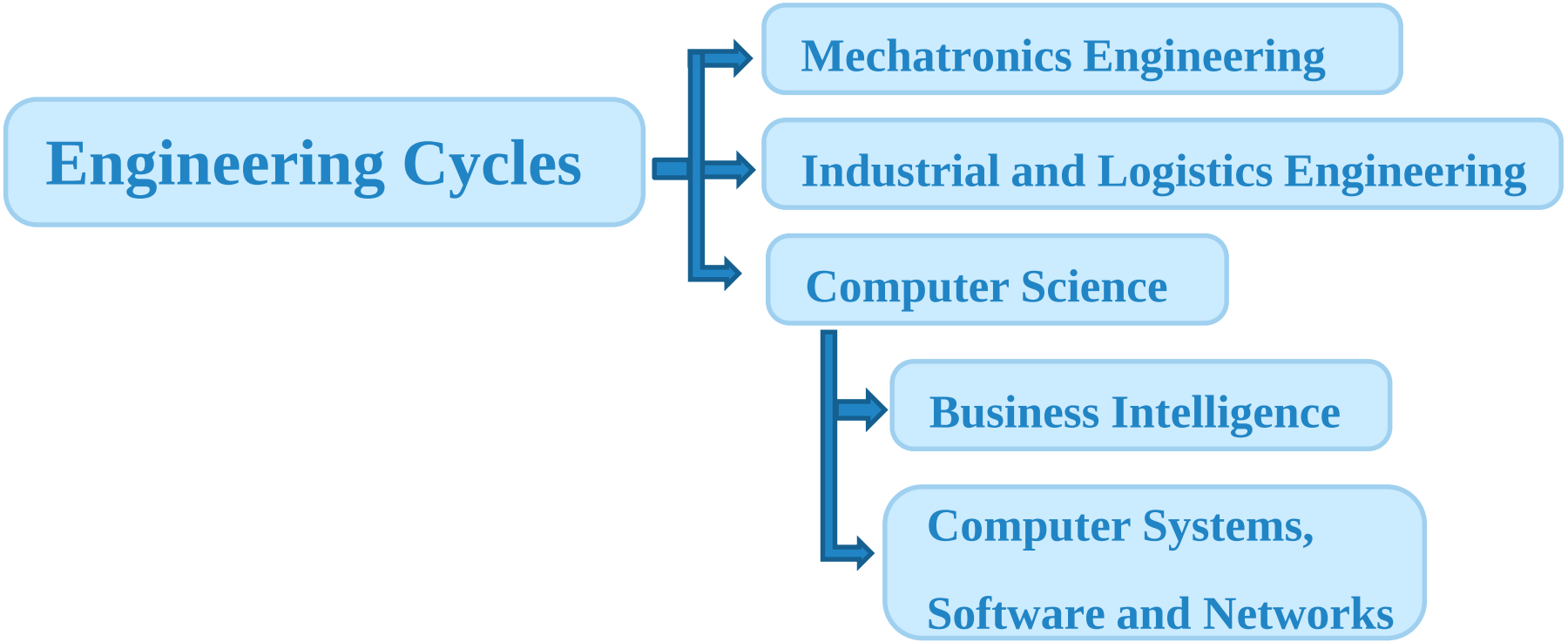
Degrees


Preparatory Cycle
Math Physics
Bachelor Degree
Embedded System IoT
Business Intelligence BI
Electrical Engineering
Software Engineering and
Information System GLSI

Degrees


Masters
Audit and Energy Efficiency
Development of Information System
Embedded communication and Network Security
Systems Management : Quality, Safety and Environment

Degrees


Engineering Cycles
Mechatronics Engineering
Industrial and Logistics Engineering
Computer Science
Business Intelligence
Computer Systems,
Software and Networks

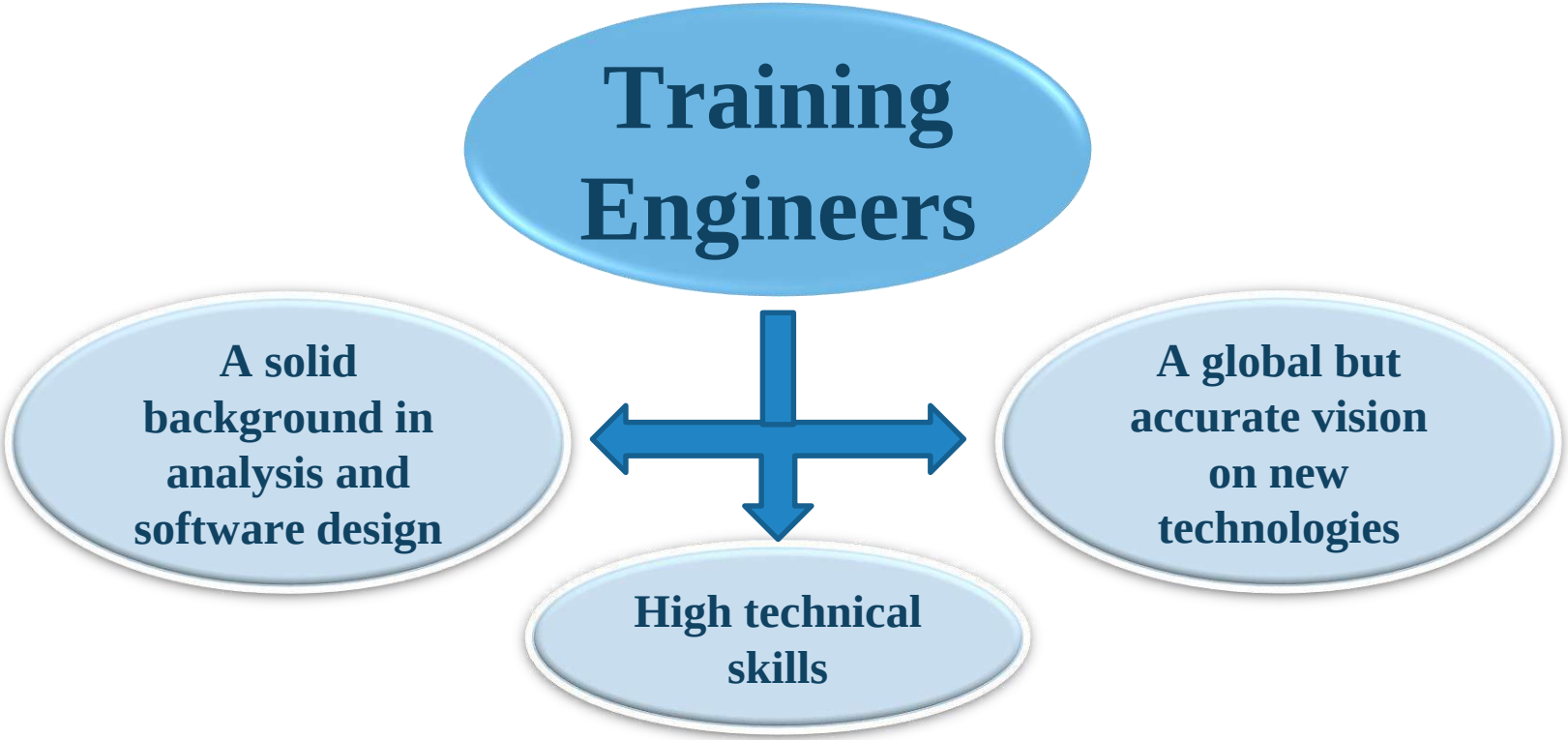
Mechatronics Enginering Cycle in MIT Polytech

The Mechatronics Engineer is able to intervene in all industrial sectors, mainly in the design phase of new products or new production machines.

At MIT polytech mechatronics :

- ✓ **Ensures the development of mechanical engineering, electronics, automation and IT techniques,**
- ✓ **Design and produce new, more efficient products by integrating 'intelligent', smart functions.**
- ✓ **Be in interaction with the industry.**

Our Main Goals



Our Main Goals

Vision

- **Enforce skills related to :**

➢ Master the computer-aided design and drafting software (CADD)

➢ Analyze, model and optimize a complex mechatronic system,

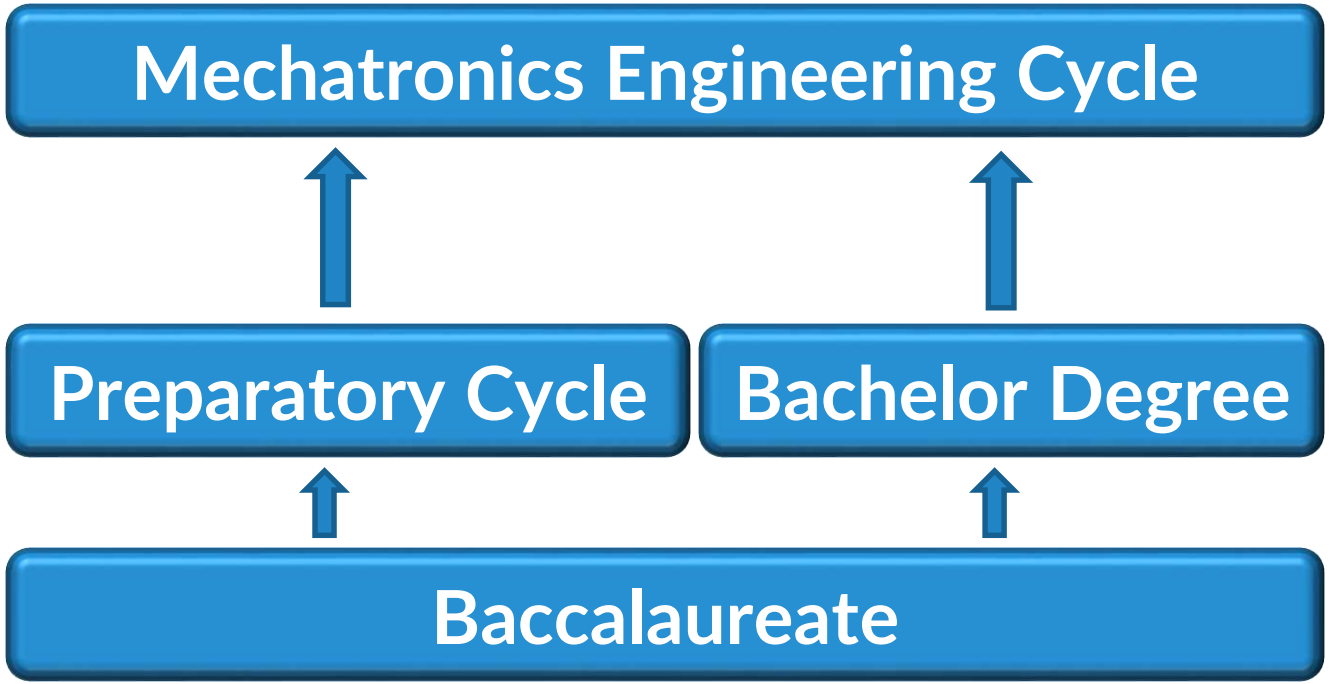
➢ Integrate different technologies within the same mechatronic system,

➢ Use integrated management software packages.

➢ Should have soft skills to communication work in teams,

- **Promote collaborations with national and international stakeholders**

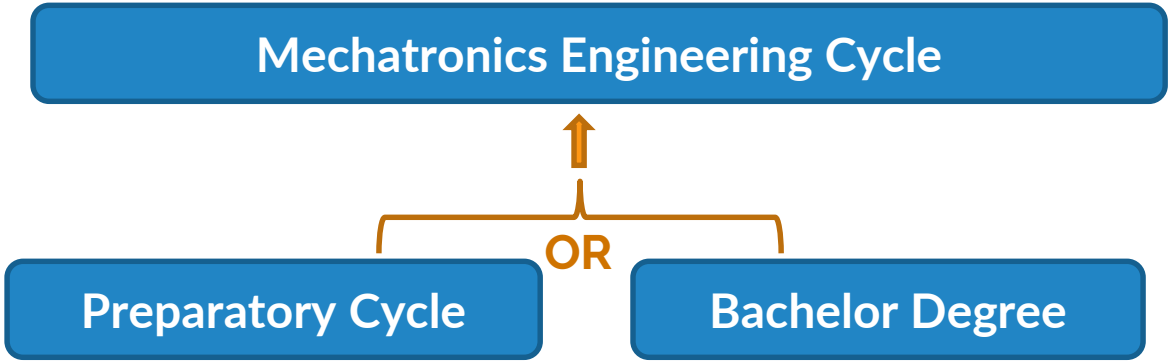
3.
Admission Requirements


Mechatronics Engineering Cycle
Preparatory Cycle
Bachelor Degree
Baccalaureate

Students admitted in mechatronics engineering have the following :

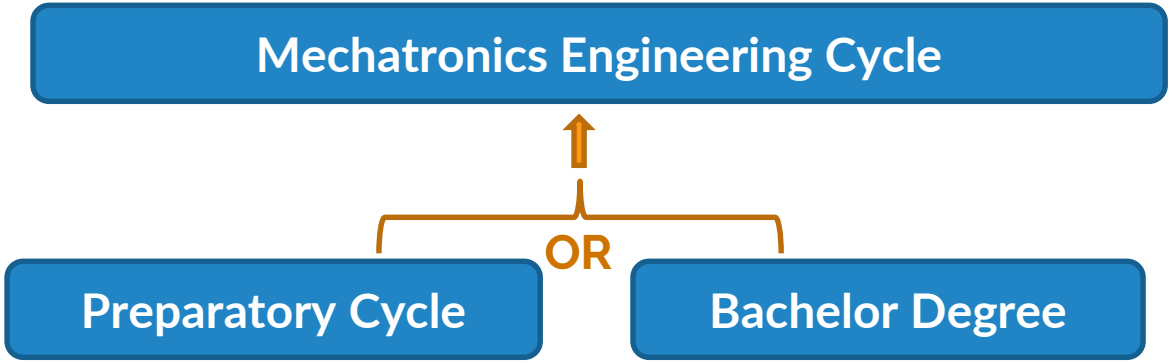
- ✓ passed the entrance exam to engineering schools,
- ✓ Successfully completed the integrated preparatory cycle,
- ✓ Hold a bachelor’s degree in mechanical, automatic, electrical, electromechanical, logistics and industrial engineering or any equivalent diploma,
- ✓ Pass an oral session with the Teams.

Internal Students at MIT Polytech



Common Conditions	Specific Conditions for Bachelor Degree Holder
1. Circular of the Ministry of Higher Education	1. Pedagogic Committee 2. Summer School + Upgrade courses

External Students to MIT Polytech



Common Conditions	Specific Conditions for Foreign students from Africa
1. Circular of the Ministry of Higher Education that will be applied only to Tunisian students (the same as for Internal students)	1. Assessment (Exam) : writing and oral interviews 2. Summer School + Upgrade courses

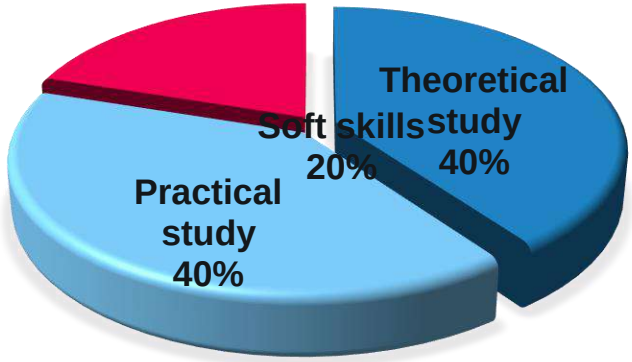
Number of Students 2021

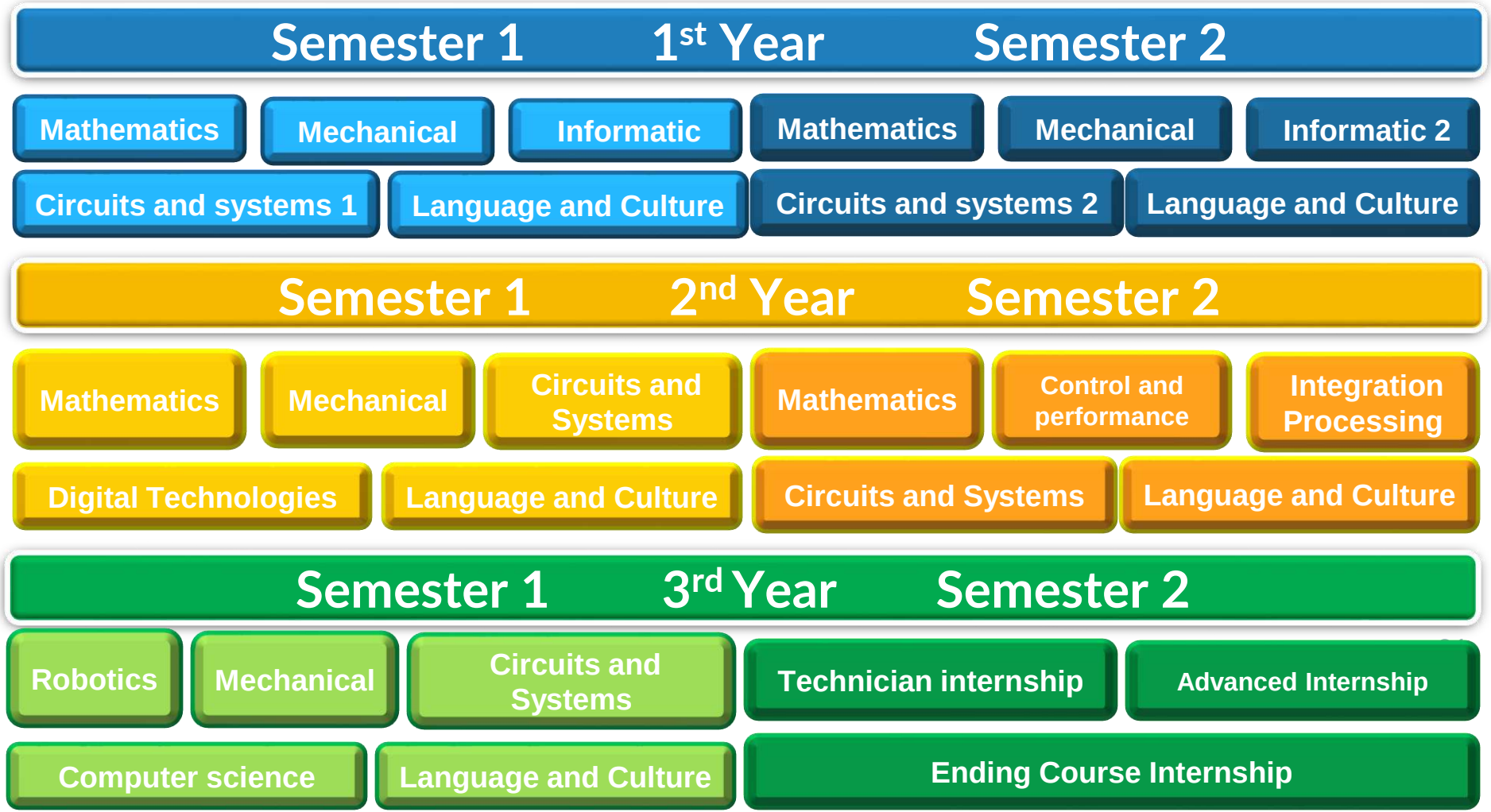
4.

Duration & Course Structure

Duration

- 3 Years
- 1 year is 2 semesters
- 1 semester is 5 modules
- +435 hours in classroom;
- Home work:250 hours to 400 hours.




Semester 1
1st Year
Semester 2
Mathematics
Mechanical
Informatic
Mathematics
Mechanical
Informatic 2
Circuits and systems 1
Language and Culture
Circuits and systems 2
Language and Culture
Semester 1
2nd Year
Semester 2
Mathematics
Mechanical
Circuits and Systems
Mathematics
Control and performance
Integration Processing
Digital Technologies
Language and Culture
Circuits and Systems
Language and Culture
Semester 1
3rd Year
Semester 2
Robotics
Mechanical
Circuits and Systems
Technician internship
Advanced Internship
Computer science
Language and Culture
Ending Course Internship

5.
SWOT

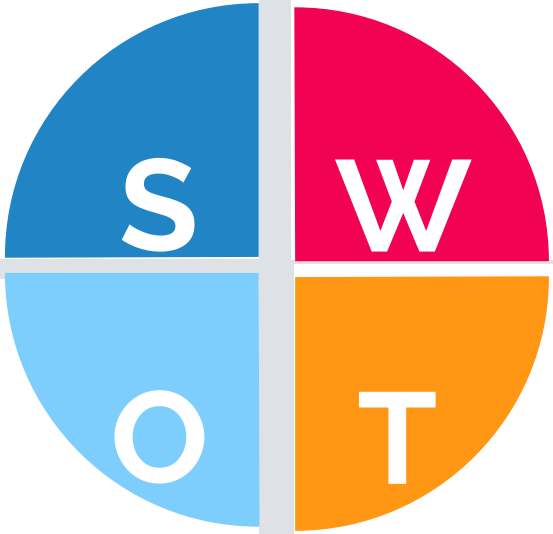
SWOT Analysis

STRENGTHS

- ✓ Teaching according to international standards,
- ✓ Technical certifications adapted to each discipline and educational course.

WEAKNESSES

- ✓ Lack of professional actors from the socio-economic world in some courses
- ✓ Heteregenoty of origin students
- ✓ Different degree knowledge



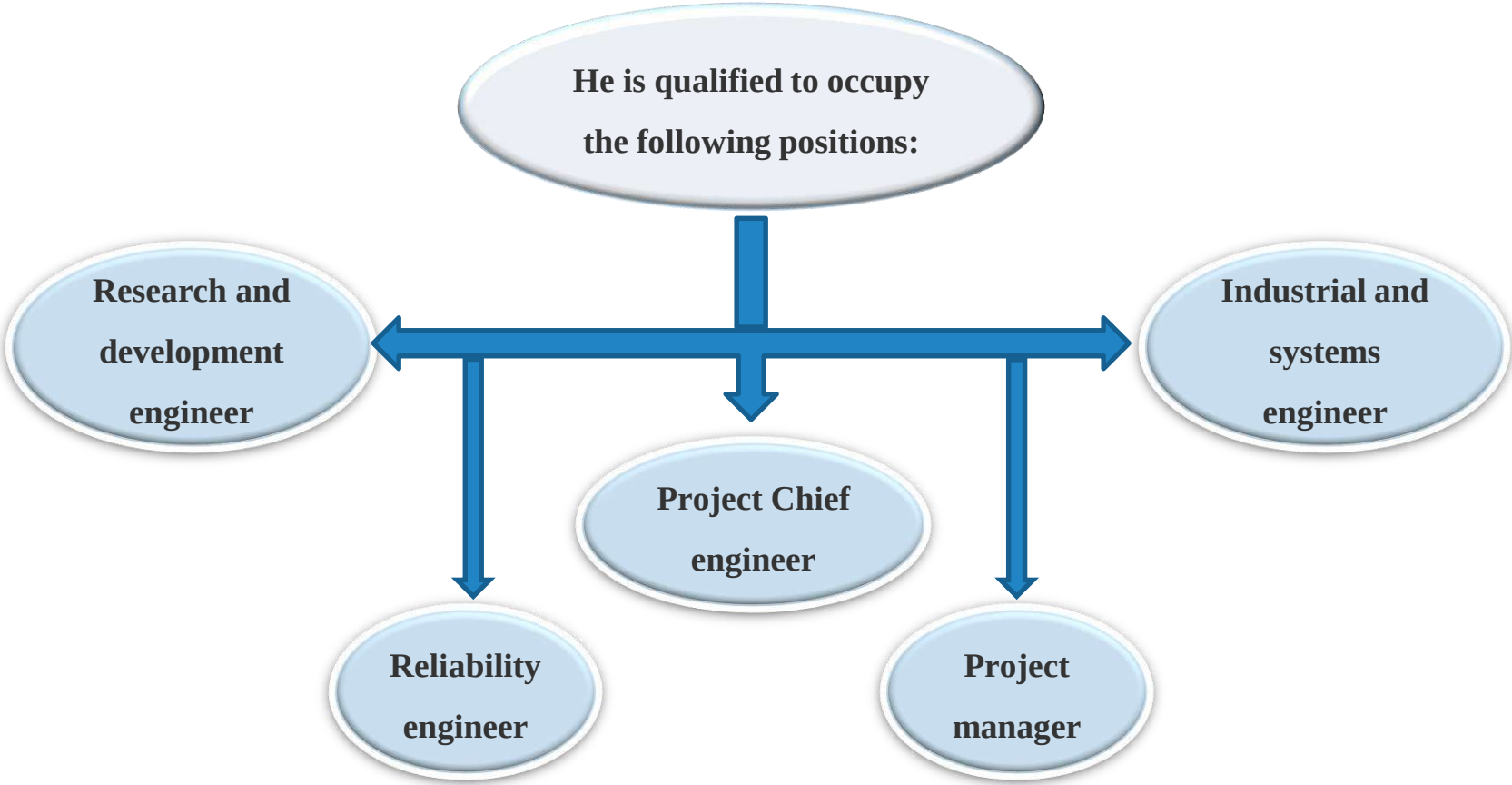
OPPORTUNITIES

- ✓ Support from the Ministry of Higher Education – and partners – clusters of competitiveness and excellence
- ✓ Interesting and pressing economic and social demand

THREATS

- ✓ Strong competition from other universities
- ✓ Pandemic period
- ✓ Different degree knowledge
- ✓ Economic condition
- ✓ Number of private engineering school

6.
The targeted jobs


He is qualified to occupy the following positions:
Research and development engineer
Industrial and systems engineer
Project Chief engineer
Reliability engineer
Project manager

Sample of Employed Engineers

Seif GHARSI
Engineer at ATDAS

Mouhamed Yassine SLIMANE
Engineer at TRAPSA

Wissem BEN TAHER
Engineer at TUNISIANA

Mokhtar JLASSI
Engineer at Citroën

Nizar SILITI
Engineer at SNCFT

Pierre Toine NGOUALA
Engineer at INDUSTEAM

Thanks!

Any questions?

You can find us at:

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Members of the Pedagogic committee