

SUPPLEMENT DIPLOMA

The Private Higher School for Engineers in Gafsa is a private institution under the supervision of the Ministry of Higher Education and Scientific Research. It complies with the regulations and laws governing higher education in Tunisia. This diploma is recognized nationally and internationally in accordance with the texts referred to in the certificate issued for that purpose.

The diploma supplement is only valid when accompanied by the original diploma.

1. INFORMATION OF THE HOLDER OF THE QUALIFICATION

1.1. Full Name:

1.2. Date of Birth (DD/MM/YYYY):/...../.....

1.3. Place of Birth:

1.4. National Identification Number / Passport:

1.5. Nationality:

2. QUALIFICATION

2.1. Name of the Qualification:

- Diplôme National d'Ingénieur en Informatique.

2.2. Institution Awarding the Qualification:

- Ecole Supérieure d'Ingénieurs Privée de Gafsa (ESIP).

2.3. Study system:

- In-person with obligation of attendance.

2.4. Language(s) of Instruction / Examination:

- Primary: French language
- Secondly: English Language.

3. LEVEL OF THE QUALIFICATION

3.1. Number of credits:

- 180 credits (30 credits each semester)

3.2. Duration of the educational program to obtain this diploma:

- Three years divided into 06 semesters, through the first 5 semesters, the student receives training (integrated courses, lab work, projects, and 2 months if internship). The last semester is dedicated to the realization of a graduation project within of one company after which, a memoir is presented before a jury appointed by the school.

3.3. European Qualifications Level:

- 7 (EQF)

3.4. Location:

- University Campus of Gafsa, Tunisia.

3.5. The actual duration the student mentioned above spent to obtain this diploma:

- academic years from.....to.....

3.6. Type of educational institution:

- Licensed by the Ministry of Higher Education and Scientific Research under number 05-2013.

3.7. Academic authorization:

- Authorized by the official authorities responsible in the Republic of Tunisia during the student's study.

3.8. Perspectives of the qualification:

- **Access to Further Study**
 - Qualifies for application for enrollment into a doctorate program.
- **Professional Status**
 - The degree qualifies for direct entry into a profession.

3.9. Anti-forgery system for delivered diplomas:

- Each diploma is given a specific code, through which it be verified through the following link: www.esip.tn/verify/

4. Main fields of study for the qualification (Proven skills):

Skills acquired:

Upon completing the Computer Science Program, students acquire a set of fundamental skills:

- **Computer Science Competences (Core Competences):** Graduates are proficient in autonomously applying and enhancing their scientific knowledge and computational techniques. They can evaluate the significance and implications of various computer science methods when tackling intricate scientific and social issues. Graduates possess the essential capabilities required to effectively address both applied and scientifically intricate challenges in the realm of computer science and related interdisciplinary domains.
- **Communication Skills:** Graduates are adept at presenting and elucidating computer science concepts with clarity and persuasion, whether through spoken or written means. They possess the ability to communicate effectively to both technical and non-technical audiences.
- **Teamwork and Project Management:** Graduates are skilled in collaborating within multidisciplinary teams. They are proficient in project planning and organization.
- **Commitment to Society (Commitment to the Civil Society):** Graduates comprehend the impact of computer science within a societal framework. They grasp the importance of professional and ethical responsibilities and are capable of acting accordingly.
- **Personal and Professional Development:** Graduates have the adaptability to keep pace with the latest technologies and employ their knowledge for ongoing personal and professional growth.

4.1. Basic Skills

Know how: Analyze customer needs, write a technical requirements specification, produce a prototype of the technical solution for validation by the client (standard configuration, etc.), design and develop computer programs and applications, analyze technical problems, determine corrective actions, produce technical support, process information (collect, classify and update)

Knowledge: Algorithmic, digital accessibility technologies, telecom protocols and standards, computer programming languages, computer operating systems, configuration management, computer modeling, information systems architecture, computer programming, software programming, AGILE method.

4.2. Specific skills

Know how: Carry out IT studies and developments , management computing, Programming in a specific computer language, Develop an application linked to a database

Knowledge: Embedded system, on-board control material, management computer science, multimedia products, computer and telecoms networks, scientific and technical computer science, web architecture

- Computer language: PHP, HTML, SQL, Java, J2EE, C/C++, .NET, Python, Shell, Script, XML.

5. Grading Scheme

The student's admission notification includes a statement according to the average obtained in accordance with the following table.

American rating	Tunisian Range	Value	Interpretation
A+	18+	Excellent	Outstanding performance with only minor errors
A	16,00 -> 17,99	Very good	Generally good work with a number of some errors.
B+	14,00 ->15,99	Good	Generally good work with a number of notable errors.
B	12,00 -> 13,99	Satisfactory	Fair but with significant shortcomings
C+	10,00 -> 11,99	Sufficient	Performance meets the minimum criteria the minimum criteria
D	>10	Not sufficient	which due to its considerable deficiencies, no longer meets the requirements

6. Access Requirements:

Admission to the 1st year of the engineering cycle is open to students:

- Having passed the preparatory cycle for engineering studies (2 years 120 credits ECTS).
- Holders of a bachelor's degree in a scientific or technical specialty (3 years 180 credits ECTS).
- Students holding a master's degree in a scientific or technical branch go directly to the 2nd year of this cycle after studying their file.

REPORT OF MARKS ACADEMIC YEAR

...../.....

Surname:

Name

Date of Birth

Place of Birth:

N° CIN:
.....

Cycle: Engineering
Level First Year

Speciality: Computer Engineering
Field: Commun Core

Module Code	Module Title	Course Code	Course Title	Practical Word / Project	First Mid Term Exam	Final Exam	General Average	Obtained Credit	Module Credit
CSE110	Fundamental and applied mathematics	CSE111	Engineering mathematics						
		CSE112	Applied probabilities and statistics						
		CSE113	Mathematics lab						
CSE120	Electronic	CSE121	Analog electronics						
		CSE122	Digital circuits						
CSE130	Algorithm & programming	CSE131	Algorithm and data structure						
		CSE132	Programming workshop C++						
CSE140	Logic and analysis	CSE141	Formal logic						
		CSE142	Algorithm of numerical analysis						
LAC150	Languages and cultures I	LAC151	English I: TOEIC B1,1 Certification						
		LAC152	French I: Communication tech. & preparation for Delf B1,1						
		LAC153	Economics and business management						
CSE160	Project	CSE161	supervised project I						
CSE210	Theory and Optimization	CSE211	Language theory and compilation						
		CSE212	Graph theory and optimization						
CSE220	Programming & web multimedia	CSE221	Object oriented programming						
		CSE222	Web and multimedia Programming						

Module Code	Module Title	Course Code	Course Title	Practical Word / Project	First Mid Term Exam	Final Exam	General Average	Obtained Credit	Module Credit
CSE230	preparing to certification I	CSE231	preparing for LPI 101 certification						
		CSE232	preparing for the CCNA1 certification						
CSE240	Architecture and transmission	CSE241	Digital transmission						
		CSE242	Architecture & micro processors						
LAC250	Languages and cultures II	LAC251	English II: Certification TOEIC B1,2						
		LAC252	French II: Communication tech. and preparation for Delf B2,1						
		LAC253	Intro. to financial systems and banking management						
CSE260	project	CSE261	Supervised project II						
Total of credits obtained									

The calculation of the overall average results from the respectively relevant study and examination regulations, are published on the website of ESIP at www.esip.tn.

Overall average:	 /20
Session:	First Session / Second Session
Jury decision:	Successful / not successful

Issued on Gafsa,
On: .../.../.....
The Director
Dr. Oussama BOUFARES

REPORT OF MARKS ACADEMIC YEAR

...../.....

Surname:

Name

Date of Birth

Place of Birth:

N° CIN:
.....

Cycle: Engineering
Level Second Year

Speciality: Computer Engineering
Field: Commun Core

Module Code	Module Title	Course Code	Course Title	Practical Word / Project	First Mid Term Exam	Final Exam	General Average	Obtained Credit	Module Credit
CSE310	Hard Design Methodology	CSE311	Processor design methodology						
		CSE312	Operating systems and concurrent programming						
CSE320	Algorithms, Database and Operational research	CSE321	Algorithm design and analysis						
		CSE322	Operational research						
		CSE323	Database design						
CSE330	Software engineering	CSE331	software engineering & agile method						
		CSE332	Object-oriented analysis and design						
CSE340	preparing to certification II	CSE341	Preparing for the CCNA2 certification						
		CSE342	Preparing for LPI 102						
LAC350	Languages and Cultures III	LAC351	English III: TOEIC B2,1 Certification						
		LAC352	French III: Communication technique and preparation for Delf Pro 1						
CSE410	Soft Design Methodology	CSE411	Design and development projects						
		CSE412	Software engineering II						
CSE420	IoT and embedded systems	CSE421	Embedded Systems						
		CSE422	Networking computer						
CSE430	Decision support and database management	CSE431	Database management systems						
		CSE432	Artificial Intelligence						

Module Code	Module Title	Course Code	Course Title	Practical Word / Project	First Mid Term Exam	Final Exam	General Average	Obtained Credit	Module Credit
LAC440	Languages and Cultures III	LAC441	English IV: TOEIC B2,2 Certification						
		LAC442	French IV: Communication technique and preparation for Delf Pro 2						
		LAC443	Business creation and systems management						
CSE450/1	Architecture and programming	CSE451/1	Functional programming						
		CSE452/1	Software architecture						
CSE460	Project	CSE453/1	End year project						
Total of credits obtained									

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On: .../.../.....
The Director
Dr. Oussama BOUFARES

REPORT OF MARKS ACADEMIC YEAR

...../.....

Surname:

Name

Date of Birth

Place of Birth:

N° CIN:
.....

Cycle: Engineering
Level Third Year

Speciality: Computer Engineering
Field: Commun Core

Module Code	Module Title	Course Code	Course Title	Practical Word / Project	First Mid Term Exam	Final Exam	General Average	Obtained Credit	Module Credit
LAC510	Languages and corporate culture	LAC511	English V: Certification TOEIC C1						
		LAC512	Human rights						
		LAC513	Project management						
CSE520/1	Massive data management	CSE522/1	Data Mining and Analysis						
		CSE523/1	Big data framework & technologies						
CSE530/1	Systems Security	CSE531/1	IT security						
		CSE532/1	Operational safety and fault tolerance						
CSE540/1	Interactive decision support systems	CSE541/1	Interactive decision support systems						
		CSE542/1	Advanced machine learning						
CSE550/1	Systems check	CSE551/1	Preparation to certification ISTQB						
		CSE552/1	Verification of Complex Systems						
		CSE553/1	Software architecture project						
CSE560/1	Software development	CSE561/1	Service oriented engineering						
		CSE562/1	Model driven engineering						
		CSE563/1	Development of advanced web applications (JEE/,NET)						
CSE570/1	Mobile programming	CSE571/1	Mobile Programming						
		CSE572/1	Distributed database						
		CSE573/1	project mobile programming						

Module Code	Module Title	Course Code	Course Title	Practical Word / Project	First Mid Term Exam	Final Exam	General Average	Obtained Credit	Module Credit
CSE 660	traineeship	CSE660/1	Internship 1(1-2 months)						
		CSE660/2	Internship 2 (1-2 months)						
		CSE660/3	Graduation research project (4-6 months)						
Total of credits obtained									

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