

REPUBLIC OF TUNISIA  
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH  
UNIVERSITY OF TUNIS EL MANAR  
FACULTY OF SCIENCES OF TUNIS

**TRANSCRIPT OF GRADES**

Academic year  
2024/2025

Student full name: **Mr. Mohamed Amine REBHI**

Born on **November 18<sup>th</sup>, 2002** in **TUNIS**

Holder of ID Card n°: **14368279**

Enrollment n°: **2100047**

Situation : **New**

Group: **IDS4 G01**

Diploma: **National Diploma of Engineer in Applied Sciences and Technologies**

Specialty : **Data Sciences**

Level of study: **4<sup>th</sup> year**

Educational Unit	Educational Element	Sem	Crd.	Coef.	Main Session				Crd	Re-sit session	
					Practicum	Continuous Assessment	Exam	Average /20		Re-sit Exam	Average /20
UE1 Statistical Modeling	UF1 Linear Regression	S1	2.00	1.00	*****	16.50	19.25	18.33	6.0 V		
	UF2 Generalized Linea. Model. and Regression		2.00	1.00	*****	17.00	17.00	17.00			
	UF3 Time Series 1		2.00	1.00	*****	13.00		13.00			
								16.11			
UE2 Collection and Learning	UF4 Supervised Learning	S1	2.00	1.00	*****	19.00	17.00	17.67	4.0 V		
	UF5 Survey Theory 1		2.00	1.00	*****	20.00		20.00			
								18.84			
UE3 Databases	UF6 NoSQL Databases	S1	2.00	1.00	13.50	15.00	15.00	14.50	4.0 V		
	UF7 Database Management Systems PL_SQL		2.00	1.00	4.00	16.00	15.50	11.78			
								13.14			
UE4 Big Data	UF8 Advanced Big Data Processing	S1	2.00	1.00	14.50	16.75	16.25	15.78	6.0 V		
	UF9 Modeling Systems for Big Data		2.00	1.00	16.25	16.00	16.50	16.31			
	UF10 Distributed Systems for Big Data		2.00	1.00	18.50	18.00	18.50	18.39			
								16.83			
UE5 Language and Entrepreneurship	UF11 English TOEIC 3	S1	2.00	1.00	*****	14.50	13.00	13.50	6.0 V		
	UF12 Business Management		2.00	1.00	*****	12.50	13.00	12.83			
	UF13 Info. Project Management (Method		2.00	1.00	*****	18.00	16.00	16.67			
								14.33			
UE6 OPTION 1	U01 Test-Driven Development	S1	2.00	1.00	13.00	11.00	15.00	13.44	4.0 V		
	U02 Web and Multimedia Technology		2.00	1.00	*****	18.00	14.75	15.83			
								14.64			
UE7 Complementary Modeling	UF16 Introduction to Data Models	S2	2.00	1.00	*****	17.50	16.50	16.83	6.0 V		
	UF17 Nonparametric Statistic		2.00	1.00	*****	16.00	15.00	15.33			
	UF18 Missing Data Processing		2.00	1.00	*****	16.50	15.00	15.50			
								15.89			
UE8 Data Analysis	UF19 Machine Learning 1	S2	2.00	1.00	*****	17.00	17.50	17.33	6.0 V		
	UF20 Data Mining		2.00	1.00	*****	16.00	18.50	17.67			
	UF21 Workshop: Data Mining and Mach.		2.00	1.00	16.00	*****		16.00			
								17.00			
UE9 Data Science	UF22 Auto. Natural Language Processing	S2	2.00	1.00	20.00	20.00	13.00	16.89	4.0 V		
	UF23 Cloud Environ. for Big Data		2.00	1.00	16.00	17.00	16.00	16.22			
								16.56			
UE10 Distributed Computing	UF24 Massive Data Visualization	S2	2.00	1.00	18.00	16.00	15.50	16.44	4.0 V		
	UF25 Analytical Processing of Databases		2.00	1.00	*****	16.50	18.75	18.00			
								17.22			
UE11 Language and Entrepreneurship	UT1 English TOEIC 4	S2	2.00	1.00	*****	19.00	15.00	16.33	6.0 V		
	UT2 Entrepreneurship		2.00	1.00	*****	15.50	14.00	14.50			
	UT3 IT Law and Ethics		2.00	1.00	*****	15.00		15.00			
								15.28			
UE12 OPTION 2	U03 AI and Cybersecurity	S2	2.00	1.00	14.00	16.00	12.50	13.78	4.0 V		
	U04 Multi-Agent Systems		2.00	1.00	*****	15.00	18.25	17.17			
								15.48			
			60.00	30.00					478.08		

Main session	Annual	15.94	Credits	60.00
Re-sit session	Average			

**Exam's Board Decision: ADMITTED**

Edited in Tunis on July 12<sup>th</sup>, 2025

Signed: **The Dean**

**Adel MEGRICHE**

(Handwritten Signature)

**Seal:** Ministry of Higher Education and Scientific Research

University of Tunis El Manar

Faculty of Sciences of Tunis

**The Dean**

Nature : S1 : Semester 1 ; S2 : Semester 2 ; An : Annual ; Eu : Educational Unit ; Ne : Non-chosen Optional module

"Exem.": Exempted; V: Validated Educational Unit; "N" Non Validated Educational Unit

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**For True & Certified Translation**  
Tunis on September 12<sup>th</sup>, 2025

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UNIVERSITY OF TUNIS EL MANAR  
FACULTY OF SCIENCES OF TUNIS

**TRANSCRIPT OF GRADES**

Academic year  
**2023/2024**

**Student full name: Mr. Mohamed Amine REBHI**

**Born on November 18<sup>th</sup>, 2002 in TUNIS**

**Holder of ID Card n°: 14368279**

**Enrollment n°: 2100047**

**Situation : New**

**Group: IDS3**

**Diploma: National Diploma of Engineer in Computer Science**

**Specialty : Data Sciences**

**Level of study: 3<sup>rd</sup> year**

Educational Unit	Educational Element	Sem	Crd.	Coef.	Main Session				Crd	Re-sit session	
					Practicum	Continuous Assessment	Exam	Average /20		Re-sit Exam	Average /20
UF31 Probability and Mathematics	UF311 Mathematical Tools	S1	2.00	1.00	*****	18.50	18.00	18.17	6.0 V		
	UF312 Differential Calculus and Optimization		2.00	1.00	*****	20.00	17.00	18.00			
	UF313 Advanced Probability		2.00	1.00	*****	14.00	13.00	13.33			
								16.50			
UF32 Compilation and Optimization	UF321 Compilation	S1	4.00	2.00	17.50	17.00	16.50	16.94	7.0 V		
	UF322 Graphs and Optimization		3.00	1.50	*****	20.00	17.50	18.33			
								17.54			
UF33 Databases	UF331 Data Warehouses	S1	2.00	1.00	*****	13.75	16.50	15.58	5.0 V		
	UF332 Administration of Databases		3.00	1.50	18.00	19.00	18.50	18.44			
								17.30			
UT34 Languages and Corporate Culture	UT341 English TOEIC I	S1	2.00	1.00	*****	*****	12.00	12.00	6.0 V		
	UT342 Communication Techniques 1		2.00	1.00	*****	10.00	12.50	11.67			
	UT343 Introduction to Macroeconomics		2.00	1.00	*****	19.50	17.75	18.33			
								14.00			
UO35 OPTU1	UO351 OPT1 Software Architecture	S1	3.00	1.50	*****	15.00	17.00	16.33	6.0 V		
	UO352 OPT2 Design of Systems		3.00	1.50	*****	15.00	15.00	15.00			
								15.67			
UF41 Inferential Statistic	UF411 Inferential Statistic	S2	2.00	1.00	*****	16.00	11.00	12.67	4.0 V		
	UF412 Statistical Project with R		2.00	1.00	*****	19.00	12.75	14.83			
								13.75			
UF42 Introduction to Static Learning	UF421 Exploratory Multivariate Statistics	S2	3.00	1.50	*****	16.00	17.00	16.67	6.0 V		
	UF422 Stochastic Modeling		3.00	1.50	*****	20.00	18.50	19.00			
								17.84			
UF43 Big Data and Parallel Computing	UF431 Introduction to Big DATA	S2	2.00	1.00	16.00	13.50	15.75	15.33	4.0 V		
	UF432 Parallel and Distributed Computing		2.00	1.00	*****	16.25	17.75	17.25			
								16.29			
UF44 AI and Distributed System	UF441 Cloud and Virtualization	S2	2.00	1.00	19.50	18.00	17.50	18.28	6.0 V		
	UF442 Foundation of Artificial Intelligence		2.00	1.00	*****	14.00	16.75	15.83			
	UF443 Foundation of Distributed Systems		2.00	1.00	15.00	19.25	10.00	13.72			
								15.94			
UT 45 Language and Corporate Culture	UT451 English TOEIC 2	S2	2.00	1.00	*****	14.75		14.75	6.0 V		
	UT452 Introduction to Microeconomics		2.00	1.00	*****	19.00	17.00	17.67			
	UT453 Communication Techniques 2		2.00	1.00	*****	10.50		10.50			
								14.31			
UO46 OPTU4	UO461 Cryptography and Protection of	S2	2.00	1.00	13.00	13.00	15.00	13.89	4.0 V		
	UO462 Application Project of New		2.00	1.00	*****	13.00	15.00	14.33			
								14.11			
			60.00	30.00					475.72		

Main session	Annual	15.86	Credits	60.00
Re-sit session	Average			

**Exam's Board Decision: ADMITTED**

Edited in Tunis on June 21<sup>st</sup>, 2024

Signed: The Secretary General

Aida MANCHOUL

(Handwritten Signature)

Seal: Ministry of Higher Education and Scientific Research

University of Tunis El Manar

Faculty of Sciences of Tunis

The Secretary General

Nature : S1 : Semester 1 ; S2 : Semester 2 ; An : Annual ; Eu : Educational Unit ; Nc : Non-chosen Optional module

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Tunis on September 12<sup>th</sup>, 2025

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FACULTY OF SCIENCES OF TUNIS

**TRANSCRIPT OF GRADES**

Academic Year  
2022 / 2023

Full name: **Mr. Mohamed Amine REBHI**

Born on : **November 18<sup>th</sup>, 2002** in

National ID Card N°: **14368279**

**Diploma : Integrated Scientific Preparatory Cycle**

**Specialty : Math Computer Science**

**Study Level: SECOND YEAR**

**TUNIS**

Enrolment N°: **2100047**

Situation : **New**

Group : **MI2 B G02**

Educational Units	Educational Elements	Sem.	Crd.	Coef.	Main Session				Crd	Re-sit Session	
					Prac.	CA	Exam	Average /20		EXR	Average /20
FEU310 Mathematics	FU Algebra 3	S1	3.00	1.50	*****	20.00	10.50	13.35	6.0 V		
	FU Analysis 3		3.00	1.50	*****	18.00	20.00	19.40			
								16.38			
FEU320 Signal Processing	FU Signal Processing	S1	4.00	2.00	*****	17.50	16.50	16.80	4.0 V		
FEU330 Material and Systems	FU Computer Architecture	S1	3.00	1.50	*****	12.00	16.25	14.98	6.0 V		
	FU Operating Systems 1		3.00	1.50	11.00	16.50	15.50	14.63			
								14.81			
FEU340 Object Oriented Programming	FU Object Oriented Programming	S1	4.00	2.00	17.50	15.00	17.00	16.50	6.0 V		
	FU Web Development		2.00	1.00	15.50	16.50	12.25	14.13			
								15.71			
FEU350 Information Systems	FU Formal Logic	S1	2.00	1.00	*****	20.00	14.50	16.15	4.0 V		
	FU Foundations of Databases		2.00	1.00	*****	19.00	14.00	15.50			
								15.83			
TEU310 Language	TU English 3	S1	2.00	1.00	*****	15.75	17.50	16.98	4.0 V		
	FU French 3		2.00	1.00	*****	15.00	11.50	12.55			
								14.77			
FEU410 Mathematics 2	FU Probability and Statistics	S2	4.00	2.00	*****	14.50	11.50	12.40	4.0 V		
FEU420 Theory of Languages	FU Theory of Languages and Automata	S2	4.00	2.00	*****	18.00	17.00	17.30	4.0 V		
	FU										
FEU430 Programming	FU Python Programming	S2	2.00	1.00	17.00	20.00	17.25	17.88	4.0 V		
	FU Java Workshop		2.00	1.00	*****	17.00	18.50	18.05			
	FU							17.97			
OREU440 Information Systems	FU Database Engineering	S2	3.00	1.50	16.50	16.75	15.00	15.81	6.0 V		
	FU Design of Information Systems		3.00	1.50	*****	15.00	11.50	12.55			
	FU							14.18			
FEU450 Systems and Networks	FU Data Transmission	S2	2.00	1.00	*****	14.00	11.00	11.90	8.0 V		
	FU Local Networks		3.00	1.50	13.50	16.00	14.00	14.38			
	FU Operating System		3.00	1.50	17.50	*****	16.00	16.50			
								14.56			
TEU410 LANGUAGES	TU English 4	S2	2.00	1.00	*****	17.00	15.50	15.95	4.0 V		
	TU French 4		2.00	1.00	*****	18.00	20.00	19.40			
								17.68			
Total			60.00	30.00				466.98			

Main Session	Annual Average	15.57	Credits	60.00
Re-sit Session				

**Board of Examiners' Decision: ADMITTED**

**With the Distinction: WITH HIGH HONOURS**

Done in TUNIS, on June 21<sup>st</sup>, 2023

**The Secretary General**

**Aida MANCHOUL**

(Signature)

**Seal:** Ministry of Higher Education and Scientific Research

University of Tunis El Manar

Faculty of Sciences of Tunis

**The Secretary General**

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**Tunis, on September 12<sup>th</sup>, 2025**

② **صبيحة بن حريز**  
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FACULTY OF MATHEMATICS, PHYSICS AND NATURAL SCIENCES OF TUNIS

**TRANSCRIPT OF GRADES**

Academic Year  
2021 / 2022

Full name: **Mr. Mohamed Amine REBHI**

Born on : **November 18<sup>th</sup>, 2002** in **TUNIS**

National ID Card N°: **14368279**

Enrolment N°: **2100047**

Situation : **New**

Group : **MPII B**

**Diploma** : Integrated Scientific Preparatory Cycle

**Specialty** : Math-Physics-Computer Science

**Study Level**: FIRST YEAR

					Main Session				Crd	Re-sit Session	
Educational Unit	Educational Elements	Sem	Crd.	Coef.	Practicum	CA	Exam	Average /20		EXR	Average /20
Mathematics 1	Algebra 1 Analysis 1	S1	4.00	2.00	*****	14.00	19.50	17.85	8.0 V		
			4.00	2.00	*****	17.50	18.50	18.20			
								18.03			
Physics 1	Optics General Mechanics	S1	3.00	1.50	17.39	18.50	17.50	17.72	6.0 V		
			3.00	1.50	*****	17.00	18.00	17.70			
								17.71			
Electricity	Electrostatics – Magnetostatics Electrical Circuits	S1	3.00	1.50	17.39	18.00	11.50	14.60	6.0 V		
			3.00	1.50	17.39	19.00	17.00	17.60			
								16.10			
Informatics 1	Algorithms and Data Structure Programming Workshop 1	S1	3.00	1.50	*****	16.50	18.00	17.55	6.0 V		
			3.00	1.50	15.50	*****	17.00	16.25			
								16.90			
Languages	English 1 French 1	S1	2.00	1.00	*****	17.00	16.50	16.65	4.0 V		
			2.00	1.00	*****	10.00	13.25	12.28			
								14.47			
Mathematics 2	Analysis 2 Algebra 2	S2	4.00	2.00	*****	15.50	19.00	17.95	8.0 V		
			4.00	2.00	*****	16.00	17.50	17.05			
								17.50			
Physics 2	Electromagnetism Quantum Physics	S2	3.00	1.50	*****	15.50	10.00	11.65	5.0 V		
			2.00	1.00	*****	19.00	20.00	19.70			
								14.87			
Informatics 2	Algorithms, Data Structure and Complexity Programming Workshop 2	S2	3.00	1.50	*****	14.00	12.00	12.60	5.0 V		
			2.00	1.00	17.00	*****	18.50	17.75			
								14.66			
Materials	Electronics Logical Systems	S2	2.00	1.00	17.25	14.00	17.00	16.31	6.0 V		
			4.00	2.00	15.00	17.00	15.50	15.75			
								15.94			
Languages and Digital Culture	English 2 French 2 Culture and Digital Skills	S2	2.00	1.00	*****	15.00	15.00	15.00	6.0 V		
			2.00	1.00	*****	13.00	13.00	13.00			
			2.00	1.00	16.50	*****		16.50			
								14.83			
Total			60.00	30.00				489.33			

Main Session	Annual	16.31	Credits	60.00
Re-sit Session	Average			

Done in TUNIS, on June 17<sup>th</sup>, 2022

The Dean

Pr. Nouredine AMDOUNI

(Handwritten Signature)

Seal: Ministry of Higher Education and Scientific Research

University of Tunis El Manar

Faculty of Sciences of Tunis

The Dean

Board of Examiners' Decision: **ADMITTED**

With the Distinction: **WITH HIGHEST HONOURS**

Nature: S1: Semester 1; S2: Semester; An: Annual; EU: Educational Unit; Ns: Optional Module not selected  
"exem.": Exempted "V": Validated Educational Unit "N": Non Validated Educational Unit

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