ANNUAL QUALITY ASSURANCE AND ENHANCEMENT REPORT

التقرير السنوي لضمان وتعزيز الجودة

Date 13 May 2024	Report version 1
University Northern Technical University	
Address Al-Mansah Street, Mosul, Nineveh, Iraq	
Name of University President Prof. Dr. Alyaa Abbas Ali Al-Attar	
Name of University V.P. FSA Prof. Dr. Omar Rafea Mahmoud	
Name of QA University Director Asst. Prof. Dr. Nabil Mukhlif Abdul Razzaq	
Email of	
Mobile No.	
Academic Year 2024-2025	
Number of Colleges with BP 1	Number of Departments with BP 1
Number of Academic Staff 12	Number of Female Academic Staff 6
Number of Teaching Staff 12	Number of Research Staff 12
Number of B.Sc. Students 37	Number of Female B.Sc. Students 21

Number of Levels with BP	4	Number of Total Modules with BP	59
Name of LMS Platform	Student Information System (SIS) Platform		

University website URL	https://ntu.edu.iq/
Quality Assurance URL	https://ntu.edu.iq/quality-assurance-and-university-performance/?utm_
5-year Strategic planning URL	https://ntu.edu.iq/ar/strat_plan_ntu/?utm_

List of Content

		Page
1	Preface	1
2	Report Summary	2
2.1	ESG-2015 Standards	3
2.1.1	Policy for quality assurance	4
2.1.2	Design and approval of programmes	5
2.1.3	Student-centered learning, teaching and assessment	6
2.1.4	Student admission, progression, recognition and certification	7
2.1.5	Teaching staff	8
2.1.6	Learning resources and student support	9
2.1.7	Information management	10
2.1.8	Public information	11
2.1.9	On-going monitoring and periodic review of programmes	12
2.1.10	Cyclical external quality assurance	13
2.2	General statistics on Student achievement, marks and grade	15
2.3	General statistics on research	16
2.3	General Recommendations and notes	17
2.4	List of programs (Departments) that follow Bologna Process.	18
	Appendix: Academic Performance Indicator report	19

1. PREFACE

The Statistics and Informatics Technologies Department at Northern Technical University adopts the Bologna Process to ensure high-quality teaching and learning practices. The department aligns its academic programs with internationally recognized standards, particularly the **UK Quality Assurance Agency (QAA) Subject Benchmark Statement for Statistics**, with a focus on enhancing learning outcomes, strengthening statistical and analytical competencies, and continuously improving program design, delivery, and assessment methods. This alignment supports educational quality, promotes professional and ethical statistical practice, and responds effectively to labor market needs and contemporary scientific developments.

2.Report Summary

2.1 ESG-2015 Standards

2.1.1 Standard 1

Achievement and Progress
• The Statistics and Informatics Technologies Department at Northern Technical University has developed a quality assurance policy aligned with the **ESG-2015 Standards** and the guidelines of the Iraqi Ministry of Higher Education and Scientific Research. • The policy incorporates periodic self-assessment processes, stakeholder participation, and mechanisms for continuous improvement to enhance academic and educational performance. • Internal stakeholders, including academic staff, students, and administrative units, actively contribute to the development and implementation of quality assurance practices through departmental committees and quality assurance units. • **Policy URL:** https://ntu.edu.iq/quality-assurance-and-university-performance/

2.1.2 Standard 2

DESIGN AND APPROVAL OF PROGRAMMES

Achievement and Progress
Based on departmental quality assurance reports, the Statistics and Informatics Technologies Department at Northern Technical University ensures that its academic programs promote active student participation in the learning process and apply assessment methods consistent with a student-centered approach. The programs are aligned with the university's strategic plan and clearly defined intended learning outcomes, developed with the participation of academic staff, students, and relevant stakeholders. External academic and professional expertise is utilized to ensure alignment with international standards and the **ESG-2015** framework, supporting knowledge development, employability, personal growth, and active citizenship. Student workload is defined according to the **ECTS system** (240 credits over four years) in compliance with the Bologna Process, ensuring smooth student progression. Programs undergo formal approval and periodic review through departmental and university quality assurance structures, while consultation with business and industry stakeholders helps align learning outcomes with labor market needs.

2.1.3 Standard 3

STUDENT-CENTERED LEARNING, TEACHING AND ASSESSMENT

Achievement and Progress
Based on departmental quality assurance reports, the Statistics and Informatics Technologies Department at Northern Technical University adopts a student-centered learning approach that promotes active student participation in the educational process while aligning assessment methods with learning outcomes. The department implements active learning strategies that encourage problem-solving, analytical thinking, and innovation through a combination of lectures, laboratory sessions, workshops, and field visits. Teaching and learning are supported by diverse pedagogical approaches, including theoretical instruction, practical applications, and technology-enhanced learning environments, which are periodically reviewed and improved based on students' feedback and quality assurance evaluations. The department recognizes differences in students' abilities and learning needs by providing academic guidance and support, while encouraging learner independence under continuous supervision from academic staff, fostering mutual respect between students and instructors. Although mechanisms for handling students' feedback and complaints are available and applied, further formalization is under development to enhance transparency and efficiency. Additionally, the department is working toward expanding flexibility in learning pathways to better accommodate diverse educational needs and support continuous quality improvement.

2.1.4 Standard 4

STUDENT ADMISSION, PROGRESSION, RECOGNITION AND CERTIFICATION

Achievement and Progress
The **Statistics and Informatics Technologies Department at Northern Technical University** conducts its admission process in accordance with the regulations of the Ministry of Higher Education and Scientific Research as well as the approved policies of the university. Student academic records and progression are systematically documented and monitored throughout the study period to ensure compliance with academic standards and program requirements. Graduation requirements include the successful completion of prescribed coursework, practical and laboratory training, and the preparation of a capstone (graduation) project that integrates theoretical knowledge with applied skills in statistics and informatics technologies. While policies related to credit recognition and transfer are in place, the department is currently working toward providing clearer and more comprehensive documentation to enhance transparency and consistency in their implementation.

2.1.5 Standard 5

TEACHING STAFF

Achievement and Progress
The **Statistics and Informatics Technologies Department at Northern Technical University** is supported by academically qualified staff members with specialized expertise in areas such as statistics, data analysis, artificial intelligence, information systems, cybersecurity, and software applications relevant to informatics technologies. The department includes a diverse academic team covering multiple subfields within statistics and computer science, ensuring comprehensive delivery of both theoretical and applied components of the program. Continuous professional development is encouraged through periodic workshops, training programs, and academic activities aimed at enhancing teaching quality and research capabilities. In addition, the Academic Performance Indicator (API) Report, attached to the current report, provides documented evidence of staff academic performance, professional engagement, and contributions to teaching, research, and community service, supporting ongoing quality assurance and institutional development.

2.1.6 Standard 6

LEARNING RESOURCES AND STUDENT SUPPORT

Achievement and Progress
• The **Statistics and Informatics Technologies Department at Northern Technical University** is equipped with multiple computer laboratories furnished with modern hardware and specialized software to support teaching, practical training, and applied learning activities. • Library services and electronic learning resources are available to students and staff; however, further expansion of digital databases and online academic resources is recommended to better support research and self-learning. • Student support services include academic advising and limited career guidance provided by faculty members, although the department is working toward developing more structured and comprehensive student support and career development services.

2.1.7 Standard 7

INFORMATION MANAGEMENT

Achievement and Progress
• The **Statistics and Informatics Technologies Department at Northern Technical University** systematically collects and maintains data related to student enrollment, academic performance, and demographic characteristics to support academic planning and quality assurance processes. • Feedback is regularly gathered from students and employers to evaluate program effectiveness and to inform continuous improvement of curricula, teaching methods, and graduate skills alignment with labor market needs. • The department is currently developing structured systems to track graduates' career paths and employment outcomes in order to strengthen program evaluation and support future academic and professional development initiative

2.1.8 Standard 8

PUBLIC INFORMATION

Achievement and Progress
• Information about the **Northern Technical University** and the **Statistics and Informatics Technologies Department** is available through the official university website, providing institutional and academic information for students and stakeholders. • Program details, admission requirements, study plans, and faculty member lists are published on the university's official platform to ensure accessibility and transparency. • Further transparency is recommended regarding quality assurance processes, evaluation reports, and continuous improvement activities to enhance public accountability. • **Official University Website (Northern Technical University):** https://ntu.edu.iq/ar

2.1.9 Standard 9

ON-GOING MONITORING AND PERIODIC REVIEW OF PROGRAMMES

Achievement and Progress
• The **Statistics and Informatics Technologies Department at Northern Technical University** conducts annual reviews of learning outcomes and course content to ensure alignment with academic standards and program objectives. • Feedback collected from students, graduates, and relevant labor market stakeholders is taken into consideration to evaluate program effectiveness and identify areas for improvement. • Curriculum updates are periodically implemented to reflect developments in statistical methods, data science technologies, and labor market requirements, ensuring that graduates acquire relevant and up-to-date professional competencies.

2.1.10 Standard 10

CYCLICAL EXTERNAL QUALITY ASSURANCE

Achievement and Progress
• The **Statistics and Informatics Technologies Department at Northern Technical University** is working toward aligning its academic programs with the **ESG-2015 Standards (European Standards and Guidelines for Quality Assurance in Higher Education)** to enhance academic quality and adopt internationally recognized quality assurance practices. • Internal documentation, quality assurance policies, and academic procedures have been established to support internal and external quality evaluations and ensure compliance with ESG-2015 principles, particularly student-centered learning and continuous improvement. • The department demonstrates a high level of preparedness for quality assurance review processes; however, further improvements are recommended in stakeholder engagement, systematic use of feedback, and the modernization of learning resources and academic support systems to fully meet ESG-2015 expectations.

2.2 General statistics on Student achievement, marks and grade

Achievement and Progress

Students' Gender Distribution: Approximately **37 male students** and **21 female students**.

Marks Distribution:

- Continuous assessment (Formative): **40 marks**
- Midterm examination: **10 marks**
- Final examination: **50 marks**

Pass and Fail Rates within the Program:
Detailed statistics are **attached to the current report**.

Pass and Fail Rates across Programs:
Not applicable, as only one department currently offers the Bachelor's Program (BP) within this context.

2.3 General statistics on research

- Total **number of publications in the department: 10 research papers**.
- **Total number of research papers published in Scopus-indexed journals: 8 research papers**.

2.4 General Recommendations and notes

- Improve the documentation of quality assurance policies and ensure their transparent publication through official online platforms.

- Further develop student-centered learning practices, with particular emphasis on strengthening students' soft skills and professional competencies.

- Establish structured and formal mechanisms to involve stakeholders in periodic program evaluation and review processes.

- Enhance and expand digital learning resources as well as the supporting technological infrastructure to improve teaching and learning effectiveness.

- Develop Academic Performance Indicator (API) reports and systematically integrate them into annual quality assurance documentation and review cycles.

- Continue taking proactive steps toward achieving ESG-2015 Standards accreditation and aligning the program with international accreditation requirements.

2.5 List of programs (Departments) that follow Bologna Process

Science

1. **Department of Statistics and Informatics Technologies**

Submitted by:	Stamp	**Approved by**	Stamp
Full name		Full name	
Qualification	Ph.D., Professor	Qualification	Ph.D., Professor
Post	Director of Quality Assurance	Post	V.P. for the Scientific Affairs
Date	10 June 2025	Date	10 June 2025

4. STATISTICS AND SUCCESS RATES ACCORDING TO THE BOLOGNA SYSTEM FOR THE ACADEMIC YEAR 2024–2025

FIRST STAGE

Stage: First
Study Type: Both Morning and Evening Studies
Semester: First

	Minitab Applications	Index Numbers	Principles of Statistics	English Language	Democracy and Human Rights	Principles of Mathematics	Accounting Principles	**Overall Success Percentage**
Pass Percentage for Morning Study	%100	%100	%100	%100	%100	%100	**%100**	**100%**
Pass Percentage for Evening Study	----	---	---	---	---	---	---	---
Overall Success Percentage	%100	%100	%100	%100	%100	%100	%100	%100

Stage Information

Stage: First
Study Type: Both Morning and Evening Studies
Semester: Second

Description	Introduction in R	Arabic Language	Computer	Principles of Management	Mathematical Application	Principles of Economics	Statistical Applications	**Overall Success Rate**

					s			
Pass Percentage for Morning Study	100%	100%	%100	100%	%88	100%	100%	%98
Pass Percentage for Evening Study	---	---	---	---	---	---	---	---
Overall Success Percentage	100%	100%	100%	100%	%88	100%	100%	%98

Republic of Iraq - Ministry of Higher Education and Scientific Research
Northern Technical University/Technical
Bachelor's degree in Statistics and Informatics Techniques (First cycle)
Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr
Program Curriculum (2024 - 2025)

جمهورية العراق - وزارة التعليم العالي والبحث العلمي
الجامعة التقنية الشمالية/ الكلية التقنية الإدارية الموصل
بكالوريوس في تقنيات الإحصاء والمعلوماتية (الدورة الأولى)
أربع سنوات (ثمانية فصول دراسية) - 240 وحدة اوربية - كل وحدة اوربية = ٢٥ ساعة
المنهاج الدراسي للعام ٢٠٢٤-٢٠٢٥

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
UGI	One	1	TCMM106	Accounting Principles	مبادئ المحاسبة	Arabic	2		2			1	3	78	72	150	6.00	B	
		2	SIT108	Principles of Mathematics	مبادئ الرياضيات	English	2	1			2	1	3	93	107	200	8.00	S	
		3	NTU100	Democracy and Human Righ	الديمقراطية وحقوق الانسان	Arabic	2						3	33	17	50	2.00	B	
		4	NTU101	English Language	اللغة الإنكليزية	English	2						3	33	17	50	2.00	B	
		5	TCMM105	Principles of Statistics	مبادئ الإحصاء	Arabic	2		2			1	3	78	72	150	6.00	B	
		6	SIT110	Index Numbers	ارقام قياسية	Arabic	2				2		3	63	37	100	4.00	C	
		7	SIT109	SPSS Applications	تطبيقات SPSS	English	0		2				3	33	17	50	2.00	E	
		8	SIT114	Minitab Applications	تطبيقات Minitab	English	0		2				3	33	17	50	2.00	E	
						Total	12	1	6	0	4	3	21	411	339	750	30.00		

ملاحظة : المواد الدراسية (٧-٨) هي مواد اختيارية ويتم احتساب الاوزان لمادة واحدة فقط

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
	Two	1	SIT111	Statistical Applications	تطبيقات إحصائية	Arabic	2		2		1		3	78	47	125	5.00	C	
		2	TCMM101	Principles of Economics	مبادئ الاقتصاد	Arabic	2		2			1	3	78	72	150	6.00	B	
		3	SIT112	Mathematical Applications	تطبيقات رياضية	English	2		2				3	63	37	100	4.00	S	
		4	TCMM104	Principles of Management	مبادئ الادارة	Arabic	2		2			1	3	78	72	150	6.00	B	
		5	NTU102	Computer	الحاسوب	Arabic	1		2				2	47	28	75	3.00	B	
		6	NTU103	Arabic Language	اللغة العربية	Arabic	1						3	18	32	50	2.00	B	
		7	SIT113	Introduction in R	مقدمة في R	English	2		2				3	63	37	100	4.00	S	
						Total	8	0	8	0	1	2	12	297	228	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
	Three	1	SIT205	Linear Algebra	جبر خطي	English	2	1	1			1	3	78	72	150	6.00	S	
		2	SIT206	Numerical Analysis	تحليل عددي	Arabic	2		2				3	63	62	125	5.00	S	
		3	NTU 200	Crimes of the baath regime	جرائم نظام البعث في العراق	Arabic	2						3	33	17	50	2.00	B	
		4	SIT207	Principles of Time Series	مبادئ السلاسل الزمنية	Arabic	2	1	1				3	63	62	125	5.00	C	
		5	SIT208	Principles of Probability	مبادئ الاحتمالات	English	3	1			1	1	3	93	57	150	6.00	C	
		6	NTU201	English Language	لغة إنكليزية	English	2						3	33	17	50	2.00	B	
		7	SIT209	Matlab Applications	تطبيقات الماتلاب	English	2		1			1	3	63	37	100	4.00	E	
		8	SIT210	Python Programming	برمجة بلغة بايثون	English	2		1			1	3	63	37	100	4.00	E	
						Total	15	3	5	0	1	3	21	426	324	750	30.00		

ملاحظة : المواد الدراسية (٧-٨) هي مواد اختيارية ويتم احتساب الاوزان لمادة واحدة فقط

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
UGII		1	SIT211	Deferential Equations	معادلات تفاضلية	English	2				2		3	63	62	125	5.00	S	
	Four	2	SIT212	Sampling Theory	نظرية المعاينة	Arabic	2				2	1	3	78	47	125	5.00	C	
		3	SIT213	Hypotheses Testing	اختبار الفرضيات	English	2		1		1	1	3	78	47	125	5.00	C	
		4	NTU202	Computer	الحاسوب	English	1		2			1	2	62	13	75	3.00	B	
		5	SIT215	Time Series	السلاسل الزمنية	Arabic	2	1	1				3	63	37	100	4.00	C	
		6	SIT214	Probability	احتمالات	English	3	1			1	1	3	93	57	150	6.00	C	
		7	NTU203	Arabic Language	اللغة العربية	Arabic	2						3	33	17	50	2.00	B	
		8	SIT216	Summer training	تدريب صيفي	Arabic							0	مسؤولي	مسؤولي	مسؤولي	مسؤولي	B	
						Total	14	2	4	0	6	4	20	470	280	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
	Five	1	SIT301	Operations Research	بحوث العمليات	English	2				2		3	63	62	125	5.00	C	
		2	SIT302	Principles of Biostatistics	مبادئ الإحصاء الحيوي	Arabic	2		1		1	1	3	78	72	150	6.00	C	
		3	SIT303	Analysis of Linear Regressio	تحليل الانحدار الخطي	Arabic	2	1	1		1	1	3	93	82	175	7.00	C	
		5	SIT304	Principles of Mathematical S	مبادئ الإحصاء الرياضي	English	2	1			2		3	78	72	150	6.00	C	
		6	SIT305	Computer Applications(R) L	تطبيقات حاسبة بلغة (R)	English	2		2			1	3	78	72	150	6.00	C	
						Total	38	4	17	0	11	12	48	390	360	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)	Exam	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	ect (hr/w	Lab (hr/w	Pr (hr/w)	Tut (hr/w)	Semn (hr/w	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
UGIII	Six	1	SIT306	Mathematical Statistics	إحصاء رياضي	English	3		1			1	3	78	72	150	6.00	C	
		2	SIT307	Biostatistics	الإحصاء الحيوي	Arabic	3		1			1	3	78	72	150	6.00	C	
		3	SIT308	Reliability	معولية	Arabic	2		2			1	3	78	72	150	6.00	C	
		4	SIT309	Non-Linear Regression	الانحدار اللاخطي	Arabic	3	1	1			1	3	93	82	175	7.00	C	
		5	SIT310	Queue theory	نظرية الطوابير	English	2	1	1				3	63	62	125	5.00	E	
		6	SIT311	Data Mining	تنقيب البيانات	English	2	1	1				3	63	62	125	5.00	E	
		7	SIT312	Summer training	تدريب صيفي	Arabic							0	صفوي	صفوي	صفوي	صفوي	B	
						Total	13	2	6	0	0	4	15	390	360	750	30.00		

ملاحظة : المواد الدراسية (٥-٦) هي مواد اختيارية ويتم احتساب الاوزان لمادة واحدة فقط

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	ect (hr/w	Lab (hr/w	Pr (hr/w)	Tut (hr/w)	Semn (hr/w	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
UGIV	Seven	1	SIT401	Principles of Multivariate	مبادئ متعدد المتغيرات	English	2	1	1			1	3	78	47	125	5.00	C	
		2	SIT402	Principles of Statistical Infere	مبادئ الاستدلال الاحصائي	English	2	1			2		3	78	47	125	5.00	C	
		3	SIT403	Principles of Experimental D	مبادئ تصميم التجارب	Arabic	2	1	1			1	3	78	72	150	6.00	C	
		4	NTU400	Scientific Research	منهجية البحث العلمي	Arabic	1				1	1	3	48	52	100	4.00	B	
		5	SIT404	Non-Parametric Methods	الطرائق اللامعلمية	Arabic	2	1	1			1	3	78	47	125	5.00	C	
		6	SIT405	Machine Learning	تعلم الاله	English	2		2			1	3	78	47	125	5.00	E	
		7	SIT406	Information Theory	نظرية المعلومات	Arabic	2		2			1	3	78	47	125	5.00	E	
						Total	11	4	5	0	3	5	18	438	312	750	30.0		

ملاحظة : المواد الدراسية (٧-٦) هي مواد اختيارية ويتم احتساب الاوزان لمادة واحدة فقط

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	ect (hr/w	Lab (hr/w	Pr (hr/w)	Tut (hr/w)	Semn (hr/w	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
	Eight	1	SIT407	Statistical Inferences	الاستدلال الاحصائي	English	2	1			1	1	3	78	72	150	6.00	C	
		2	SIT408	Experimental Design	تصميم التجارب	Arabic	2	1	1			1	3	78	72	150	6.00	C	
		3	SIT409	Multivariate	متعدد المتغيرات	English	2	1	1			1	3	78	47	125	5.00	C	
		4	SIT410	Artificial Intelligence	الذكاء الصناعي	Arabic	2		2			1	3	78	47	125	5.00	S	
		5	SIT411	Stochastic Processes	عمليات تصادفية وعشوائية	English	2	1	1			1	3	78	72	150	6.00	C	
		6	SIT412	Graduation Project	مشروع التخرج	Arabic	2						3	33	17	50	2.00	C	
						Total	12	4	5	0	1	5	18	423	327	750	30.0		

Note: The student should complete 4 weeks of Summer Internships to fullfil the requirements of the Bachelor's degree

Structured SWL (hr/w) type		
	CL	Class Lecture
	Lab	Laboratory
	Pr	Practical Training
	Tut	Tutorial
	Lect	Online lecture
	Semn	Seminar

Module type		
	B	Basic learning activities
	C	Core learning activity
	S	Suport or related learning activity
	E	Elective learning activity

SWL:	Student Workload
SSWL:	Structured SWL
USSWL:	Unstructured SWL

Note: Columns O, Q and R are progrmaed, protected and should not be edited

1. PREFACE

The Business Management Techniques Department at the Administrative Technical College - Mosul has adopted the Bologna Process to ensure high-quality teaching and learning practices. The department aims to align its programs with national and international standards and continuously works towards improving program design, delivery, and assessment.

2. Report Summary

2.1 ESG-2015 Standards

2.1.1 Standard 1

Achievement and Progress
• The institution has developed a quality assurance policy aligned with ESG-2015 and Ministry guidelines. • The policy includes periodic self-assessment, stakeholder involvement, and continuous improvement. and input from employers • Internal stakeholders are engaged in shaping and implementing the policy through committees and quality units.

2.1.2 Standard 2

DESIGN AND APPROVAL OF PROGRAMMES

Achievement and Progress
• Programs are designed to align with the institutional strategy and intended learning outcomes. • Stakeholders including faculty and students are involved in designing and reviewing the curriculum. • External expertise is leveraged during program review. • Programs address higher education objectives such as knowledge dissemination, employability, personal development, and active citizenship. • Workload is defined using the ECTS system (240 credits over 4 years). • Program approval is conducted formally through department councils and quality assurance units.

2.1.3 Standard 3

STUDENT-CENTERED LEARNING, TEACHING AND ASSESSMENT Achievement and Progress
• Active learning methods are implemented to engage students in problem-solving and innovation. • Teaching strategies include lectures, labs, workshops, and field visits.

- Diverse pedagogical approaches are used, and adjustments are made based on feedback.
- Student independence is encouraged while maintaining guidance from faculty.
- Complaint mechanisms exist but need further formalization.
- Flexibility in learning paths is limited but under development.

2.1.4 Standard 4

STUDENT ADMISSION, PROGRESSION, RECOGNITION AND CERTIFICATION
Achievement and Progress

- Admission follows Ministry regulations and university policies.
- Student records and progression are documented.
- Graduation requirements include completing coursework, practical training, and a capstone project.
- Policies for credit recognition exist but need more explicit documentation.

2.1.5 Standard 5

TEACHING STAFF
Achievement and Progress

- Staff are qualified in specialized areas like Human Resources, Marketing, Financial Management, and strategic Management.
- 17 Staff members cover diverse subfields in Business Administration.
- Professional development workshops are conducted periodically.

2.1.6 Standard 6

LEARNING RESOURCES AND STUDENT SUPPORT
Achievement and Progress

- The department has one computer labs equipped with modern software for business applications.
- Library services and e-resources are available, though digital resources could be expanded.
- Student support includes academic advising and some career guidance, but more structured support services are recommended.
-

2.1.7 Standard 7

INFORMATION MANAGEMENT
Achievement and Progress

- The department collects and maintains data on student numbers, performance, and demographics.
- Feedback from students and employers is gathered to inform improvements.
- Systems for tracking graduate career paths are under development.

2.1.8 Standard 8

PUBLIC INFORMATION
Achievement and Progress

- department information is available on the official website.
- Program details, admission requirements, and faculty lists are published.
- Further transparency on quality assurance processes and reports is recommended.

- Public Information URLs: https://ntu.edu.iq/ar/atc-a

2.1.9 Standard 9

ON-GOING MONITORING AND PERIODIC REVIEW OF PROGRAMMES
Achievement and Progress

- Annual reviews of learning outcomes and course content are conducted.
- Feedback from students and industry is considered.
- Updates to curricula reflect technological advancements and labor market needs.

2.1.10 Standard 10

CYCLICAL EXTERNAL QUALITY ASSURANCE
Achievement and Progress

- The department is preparing for Software accreditation.
- Internal documentation and processes are in place to support external assessments.
- Readiness for external review is high, but some improvements are required in stakeholder engagement and resource modernization.

2.2 General statistics on Student achievement, marks and grade
Achievement and Progress

1. **Students' Male and Female Distribution: approx. 39 male, 14 female for first stage.**
2. **Marks Distribution: [Formative 40, Mid 10, final 50]**
3. **Fail and Pass Rates in One Program: [Attached with the current report]**

2.3 General statistics on research

1. **Total publications in the department: [23]**
2. **SCOPUS/WoS indexed papers: [3]**

2.4 General Recommendations and notes

- **Strengthen documentation of quality assurance policies and publicly share them online.**
- **Enhance student-centered approaches, especially soft skills training.**
- **Formalize stakeholder involvement in program review.**
- **Expand digital learning resources and infrastructure.**
- **Proceed** proactively towards international accreditation, Software accreditation.

1. DEPARTMENT HEAD'S EVALUATION OF THE LECTURER

تقييم رئيس القسم للعملية التعليمية والاستاذ الجامعي، حسب مواد المستوى الاول / الفصل الدراسي الاول

ت	اسم التدريسي	اللقب العلمي	الاختصاص العام	الاختصاص الدقيق	المادة الدراسية المكلف بتدريسها	#1	#2	الدرجة النهائية
1	ا.م.د.احمد ابراهيم محمد	استاذ مساعد	اقتصاد	اقتصاد	**مبادى الاحصاء**	10	10	20
2	م.م.صفاء صالح	مدرس مساعد	ادارة اعمال	**ادارة اعمال**	**رياضيات**	10	10	20
3	م.د احمد إبراهيم حسين	مدرس	اقتصاد	سياسات مالية	**مبادئ الإحصاء**	10	10	20

تقييم رئيس القسم للعملية التعليمية والاستاذ الجامعي، حسب مواد المستوى الاول / الفصل الدراسي الثاني

ت	اسم التدريسي	اللقب العلمي	الاختصاص العام	الاختصاص الدقيق	المادة الدراسية المكلف بتدريسها	#1	#2	الدرجة النهائية
1	ا.م.د.احمد ابراهيم محمد	استاذ مساعد	اقتصاد	اقتصاد	**مبادئ الاقتصاد**	10	10	20
2	م.م.صفاء صالح	مدرس مساعد	ادارة اعمال	**ادارة اعمال**	**رياضيات**	10	10	20
3	م.د احمد إبراهيم حسين	مدرس	اقتصاد	سياسات مالية	**اقتصاد اداري –مبادئ الاقتصاد**	10	10	20

الابعاد الفرعية وقيمها القصوى للجدول اعلاه:

1.#الالتزام برسالة القسم ورؤيته (10 درجات).

2.#دعم استراتيجية القسم نحو بيئة تعليمية جيدة (10 درجات).

3. TEACHER BAG EVALUATION

تقييم رئيس القسم لحقيبة الاستاذ ، للمستويين الاول والثاني للسنة الدراسية 2024/2025

ت	اسم التدريسي	اللقب العلمي	الاختصاص العام	الاختصاص الدقيق	#1	#2	#3	#4	# 5	# 6	الدرجة النهائية
1.	ا.م.د.احمد ابراهيم محمد	استاذ مساعد	اقتصاد	اقتصاد	10	5	17	9.6	0	0	41,6

ت	اسم التدريسي	اللقب العلمي	الاختصاص العام	الاختصاص الدقيق	#1	#2	#3	#4	# 5	# 6	الدرجة النهائية
2.	م.م.صفاء صالح	مدرس مساعد	ادارة اعمال	**ادارة اعمال**	10	5	20	0	0	0	35+4 مسؤول وحدة
3.	م.د احمد إبراهيم حسين	مدرس	اقتصاد	سياسات مالية	10	5	18	20	0	0	53

الابعاد الفرعية وقيمها القصوى للجدول اعلاه:

1.#واجبات ومسؤوليات أعضاء هيئة التدريس (10 درجات).
2.#كفاءة المعلم في تحقيق مهارات ومعارف وقيم معينة (5 درجات).
3.#التدريب والتعليم المستمر (20 درجة).
4.#رؤية الجامعة في البحث والتطوير ودعم القطاعات العلمية والصناعية (20 درجة).
5.#النشاط الدولي (8 درجا).
6.#دعم إيرادات الجامعة (درجتان).

تنويه : (استنادا الى كتاب الوزارة ذي العدد 2305-2618 بتاريخ 2026/1/11 بالتخيير التدريسي بين تقييم أداء وفق مسار بولونيا او خارج مسار بولونيا للعام الدراسي 2024-2025 ، نود اعلامكم بشمول التدريسي (احمد إبراهيم محمد) فقط بالتقييم وفق مسار بولونيا في تشكيل كليتنا)

4. STATISTICS AND SUCCESS RATES ACCORDING TO THE BOLOGNA SYSTEM FOR THE ACADEMIC YEAR 2024-2025

- **First Stage**

Stage: First
Study Type: Both Morning and Evening Studies
Semester: First

الدراسة	مبادئ المحاسبة	رياضيات	مبادى الاحصاء	مهارات حاسوبية	الديمقراطية وحقوق الانسان	اللغة الإنكليزية 1
نسبة النجاح صباحي	100%	100%	100%	100%	100%	87.5%
نسبة النجاح مسائي	85.7%	100%	81%	100%	100%	91.5%
المعدل العام	**92.85%**	**100%**	**90.5%**	**100%**	**100%**	**89.25%**

المعدل العام للفصل: 95.43%

Stage: First
Study Type: Both Morning and Evening Studies
Semester: Second

الدراسة	الحاسوب 1	اللغة العربية	مبادئ الاقتصاد	مبادئ الادارة	القراءات الادارية	الاقتصاد الاداري
نسبة النجاح صباحي	100%	100%	100%	100%	100%	%75
نسبة النجاح مسائي	100%	%97.4	100%	100%	100%	%91
المعدل العام	100%	**%98.7**	100%	100%	100%	**%83**

المعدل العام للفصل: 96.95%

Republic of Iraq - Ministry of Higher Education and Scientific Research
Northern Technical University/Technical college of Management Mousl
Bachelor's degree in Business Management Techniques (First cycle)

Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr
Program Curriculum (2024 - 2025)

جمهورية العراق - وزارة التعليم العالي والبحث العلمي
الجامعة التقنية الشمالية/ الكلية التقنية الادارية الموصل
بكالوريوس في تقنيات ادارة الاعمال (الدورة الأولى)

أربع سنوات (ثمانية فصول دراسية) - ٢٤٠ وحدة اوربية - كل وحدة اوربية = ٢٥ ساعة
المنهاج الدراسي للعام 2024-2025

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)		hr/sem	hr/sem	hr/sem			
UGI	One	1	TCMM 106	Principles of Accounting	مبادئ المحاسبة	Arabic	2		2			1	3	78	72	150	6	B	
		2	BMT 108	Mathematics	رياضيات	Arabic	2		2	1	1	1	3	108	92	200	8	S	
		3	TCMM 105	Statistics Principles	مبادئ الاحصاء	English	2		2			1	3	78	72	150	6.00	C	
		4	BMT 109	computer Skills	مهارات حاسوبية	Arabic	2		2			1	3	78	72	150	6.00	S	
		5	NTU 100	Human rights and democracy	الديمقراطية وحقوق الانسان	Arabic	2						2	32	18	50	2.00	B	
		6	NTU 101	English Language 1	اللغة الانكليزية 1	English	2						2	32	18	50	2.00	B	
						Total	12		8	1	1	4	16	406	344	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)		hr/sem	hr/sem	hr/sem			
UGI	Two	1	NTU 102	Computer 1	الحاسوب 1	Arabic	1		2			1	2	62	13	75	3.00	B	
		2	NTU 103	Arabic Language	اللغة العربية	Arabic	2						2	32	18	50	2.00	B	
		3	TCMM 107	Principles of Economic	مبادئ الاقتصاد	Arabic	2		2			1	3	78	72	150	6.00	B	
		4	TCMM 104	Principles of Management	مبادئ الادارة	Arabic	2		2			1	3	78	72	150	6	B	
		5	BMT 110	Management Reading	القراءات الادارية	English	2		2		1	1	3	93	82	175	7.00	C	
		6	BMT 111	Financial legislation	التشريعات المالية	Arabic	2		2			1	2	77	73	150	6.00	E	
		7	BMT 112	Managerial economics	الاقتصاد الاداري	Arabic	2		2			1	2	77	73	150	6.00	E	
				ملاحظة : المواد الدراسية 6-7 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	13		12		1	6	17	497	403	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)		hr/sem	hr/sem	hr/sem			
		1	NTU 200	Crimes of Al-Baath Party in Iraq	جرائم نظام البعث في العراق	Arabic	2						2	32	18	50	2.00	B	
	Three	2	NTU201	english language2	اللغة الانكليزية	English	2						2	32	18	50	2.00	B	
		3	BMT 201	Principle of operation management	مبادئ ادارة العمليات	Arabic	2		2		1	1	3	93	82	175	7.00	C	
		4	BMT 202	Principle of Human Resources	مبادئ الموارد البشرية	Arabic	2		2			1	3	78	47	125	5.00	C	
		5	BMT 203	Principle of Marketing	مبادئ التسويق	Arabic	2	1	2			1	3	93	82	175	7.00	C	
		6	BMT 204	Principle of Intermediate Accounting	مبادئ المحاسبة المتوسطة	Arabic	2		2			1	3	78	72	150	6.00	C	
		7	BMT 205	Quantitative Methods	اساليب كمية	Arabic	1						2	17	8	25	1.00	S	
						total	13	1	8		1	4	18	423	327	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL	USSWL	SWL	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)		hr/sem	hr/sem	hr/sem			
UGII		1	NTU202	computer 2	حاسوب2	Arabic	1		2			1	2	62	13	75	3.00	B	
	Four	2	NTU203	Arabic Language 2	اللغة العربية 2	Arabic	2						2	32	18	50	2.00	B	
		3	BMT 206	operation management Advance	ادارة العمليات المتقدمة	Arabic	2		2		1	1	3	93	82	175	7.00	C	
		4	BMT 207	Human Resources Advance	الموارد البشرية المتقدمة	Arabic	2		2			1	3	78	47	125	5.00	C	
		5	BMT 208	Marketing Advance	ادارة التسويق المتقدمة	Arabic	2	1	2			1	3	93	82	175	7.00	C	
		6	BMT 209	Intermediate Accounting Advance	المحاسبة المتوسطة المتقدمة	Arabic	2		2			1	3	78	72	150	6.00	C	
		7	TCMM 212	Summer Training	التدريب الصيفي														
						Total	11	1	10		1	5	16	436	314	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGIII	Five	1	BMT 301	Principle of Organization Theory	مبادى نظرية المنظمة	Arabic	2		2			1	3	78	72	150	6.00	C	
		2	BMT 302	Financial Management principles	مبادى الادارة المالية	English	2		2		1	1	3	93	32	125	5.00	C	
		3	BMT 303	Costs Accounting principles	مبادى المحاسبة التكاليف	Arabic	2		2		1	1	3	93	32	125	5.00	C	
		4	BMT 304	Reading computer 1(EXCEL basic)	تطبيقات جاهزة1(اساسيات Excel)	Arabic	2		1			1	2	62	38	100	4.00	S	
		5	BMT 305	Principle of Strategic Management	مبادى ادارة الاستراتيجية	Arabic	2		2			1	3	78	72	150	6.00	C	
		6	BMT 306	Knowledge Management	ادارة المعرفة	Arabic	2		1			1	2	62	38	100	4.00	E	
		7	BMT314	Crisis Management	ادارة الأزمات	Arabic	2		1			1	2	62	38	100	4.00	E	
				ملاحظة : المواد الدراسية 6-7 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	12		10		2	6	16	466	284	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGIII	Six	1	BMT 307	Organization Theory Advance	نظرية المنظمة المتقدمة	Arabic	2		2			1	3	78	72	150	6.00	C	
		2	BMT 308	Financial Management Advance	الادارة المالية المتقدمة	English	2		2		1	1	3	93	32	125	5.00	C	
		3	BMT 309	Costs Accounting Advance	المحاسبة التكاليف المتقدمة	Arabic	2		2		1	1	3	93	32	125	5.00	C	
		4	BMT 310	Strategic Management Advance	ادارة استراتيجية متقدم	Arabic	2		2			1	3	78	72	150	6.00	C	
		5	TCMM 300	Summer Training	التدريب الصيفي														
		6	BMT 311	Reading computer 2(EXCEL Advance)	تطبيقات جاهزة2(متقدم Excel)	Arabic	2		1			1	2	62	38	100	4.00	S	
		7	BMT 312	Projects and Evaluation Management	ادارة وتقييم المشاريع	Arabic	2		1			1	2	62	38	100	4.00	E	
		8	BMT 313	Material Management	ادارة المواد	Arabic	2		1			1	2	62	38	100	4.00	E	
				ملاحظة : المواد الدراسية 7-8 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	12		10		2	6	16	466	284	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGIV	Seven	1	BMT 401	principle of Managerial Accounting	مبادى المحاسبة الادارية	English	2		2			1	3	78	47	125	5.00	C	
		2	BMT 402	principle of Banking Management	مبادى ادارة المصارف	Arabic	2		2			1	3	78	47	125	5.00	C	
		3	NTU 400	Scientific Research Methodology	منهجية البحث العلمي	Arabic	2				1	1	2	62	38	100	4.00	B	
		4	BMT 404	Quality and control Management	ادارة وضبط الجودة	Arabic	2		2			1	2	77	73	100	4.00	C	
		5	BMT 405	statistics analysing uing spss	تحليل الاحصائي باستخدام spss	Arabic	2		1			1	2	62	38	100	4.00	S	
		6	BMT 403	International Management	الادارة الدولية	Arabic	2	1	2			1	3	93	57	150	6.00	S	
		7		Entrepreneurial Capacity Building	بناء القدرات الريادية	Arabic	2						3	33	17	50	2.00	B	
							10	1	9		1	6	18	483	317	750	30.0		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGIV	Eight	1	BMT 406	Managerial Accounting advance	المحاسبة الادارية المتقدمة	English	2		2			1	3	78	47	125	5.00	C	
		2	BMT 407	Banking Management Advance	ادارة المصارف المتقدمة	Arabic	2		2			1	3	78	47	125	5.00	C	
		3	BMT 408	Graduation Project	مشروع تخرج	Arabic	2					2	2	62	88	100	4.00	C	
		4	BMT 409	Total Quality Management	ادارة الجودة الشاملة	Arabic	2		2			1	2	77	73	100	4.00	C	
		5	BMT 410	Reading computer3(Access)	تطبيقات جاهزة3(Access)	Arabic	2		1			1	2	62	38	100	4.00	S	
		6	BMT 411	Risk Management	ادارة الخطر	Arabic	1		1			1	2	47	53	100	4.00	S	
		7	BMT 412	Management information system	نظم المعلومات الادارية	Arabic	2		2			1	3	78	57	100	4.00	S	
						Total	13		10			8	17	482	403	750	30.0		

						Total	96	3	77	1	9	45	134	3659	2676	6000	240.0		Must be 240 ECTS

1. PREFACE

The Accounting Techniques Department at the Northern Technical University has adopted the Bologna Process to ensure the highest standards of transparency and quality in professional accounting education. The department aims to bridge the gap between academic learning and the labor market requirements by aligning its programs with international accounting education standards. We are dedicated to continuous improvement in curriculum design and student assessment to produce competent professionals capable of competing in both local and international financial sectors.

2.Report Summary

- ✓ **Institution:** Northern Technical University (NTU).
- ✓ **Department:** Accounting Techniques Department.
- ✓ **Academic Year:** 2024-2025.
- ✓ **LMS Platform:** Moodle (lms.ntu.edu.iq).

2.1 ESG-2015 Standards

2.1.1 Standard 1

POLICY FOR QUALITY ASSURANCE

Achievement and Progress
The Northern Technical University (NTU) has established a robust Quality Assurance Policy aligned with the Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG-2015) and the national framework set by the Ministry of Higher Education and Scientific Research (MOHESR). The policy serves as a strategic roadmap to foster a culture of quality, ensuring that all academic programs, particularly those under the Bologna Process, meet international excellence benchmarks. It emphasizes student-centered learning, continuous improvement, and transparency in academic and administrative operations. Policy URL: ntu.edu.iq/quality-policy

2.1.2 Standard 2

DESIGN AND APPROVAL OF PROGRAMMES

Achievement and Progress
The Accounting Techniques Department at Northern Technical University (NTU) ensures that its academic programs are designed and approved through a rigorous process aligned with ESG-2015 and the Bologna Process. Key achievements include: ✓ **Strategic Alignment:** Programs are designed with objectives that directly support NTU's institutional strategy, featuring explicit **Intended Learning Outcomes (ILOs)** for every module. ✓ **Stakeholder Engagement:** Students are active partners in program development through feedback loops, while external stakeholders (professional bodies) provide input on curriculum relevance. ✓ **External Benchmarking:** The department utilizes external expertise and references, such as International Financial Reporting Standards (IFRS), to ensure global competitiveness. ✓ **ESG Compliance:** Programs reflect the four purposes of higher education: preparing for the labor market, preparation for active citizenship, personal development, and maintaining a research-based knowledge base. ✓ **Smooth Progression & Workload:** The curriculum is structured to ensure a logical flow of knowledge. Student workload is accurately defined in ECTS (30 per semester), balancing SSWL (Scheduled) and USSWL (Unscheduled) to promote independent learning. ✓ **Placement Opportunities:** The program includes structured summer training and internship opportunities in banks and financial departments to enhance practical skills. ✓ **Formal Approval:** Every program undergoes a formal institutional approval process starting from the Department Council up to the University Council. ✓ **Bologna Structure:** The program structure meets all BP guidelines regarding the number of modules (approx. 44), elective modules, and credit distribution

2.1.3 Standard 3

STUDENT-CENTERED LEARNING, TEACHING AND ASSESSMENT

Achievement and Progress

The Accounting Techniques Department ensures that students are active partners in the learning process rather than passive recipients. The following progress has been made:

- ✓ **Student Diversity and Flexible Paths:** The department accommodates different learning backgrounds by offering preparatory tutorials and elective modules. Flexible learning paths are supported through the **ECTS** system, allowing students to manage their workload according to their individual progress.
- ✓ **Diverse Delivery Modes:** A blended learning approach is adopted. We use Moodle LMS for digital content, alongside traditional face-to-face lectures, practical computer lab sessions for accounting software (e.g., QuickBooks, Al-Ameen), and case-study seminars.
- ✓ **Pedagogical Variety:** Teachers employ various methods such as Problem-Based Learning (PBL), where students solve real-world financial scenarios, and group projects that simulate corporate accounting environments.
- ✓ **Continuous Evaluation of Methods:** The department conducts "Mid-semester Feedback" sessions where pedagogical methods are reviewed and adjusted based on student performance data and direct feedback.
- ✓ **Learner Autonomy and Guidance:** We promote autonomy by assigning Unscheduled Student Workload (USSWL) tasks (research, self-study). This is balanced by a robust Academic Advisory System where each student has a designated mentor for guidance.
- ✓ **Mutual Respect:** The relationship between teachers and students is governed by a Professional Code of Conduct that fosters an environment of transparency, open dialogue, and mutual respect during lectures and assessments.
- ✓ **Complaints Procedures:** A clear, transparent procedure exists for student complaints. This includes a "Complaints Box," an electronic feedback portal on the website, and a dedicated committee to review grievances regarding grades or teaching methods.

2.1.4 Standard 4

STUDENT ADMISSION, PROGRESSION, RECOGNITION AND CERTIFICATION

Achievement and Progress

The Northern Technical University (NTU) ensures that the entire student "life cycle" is managed through transparent, pre-defined, and published regulations. In the Accounting Techniques Department, this is implemented as follows:

- ✓ **Student Admission:** Admission is centrally managed by the Ministry of Higher Education and Scientific Research (MOHESR) via an electronic portal. The department ensures that admission requirements and capacities are published clearly on the university website to maintain transparency.
- ✓ **Student Progression:** Progression is monitored using the ECTS workload system. The department utilizes the Moodle LMS to track student performance in real-time. Students must successfully complete 60 ECTS per level to progress seamlessly to the next. Academic advisors provide early interventions for students at risk of failing.
- ✓ **Recognition of Prior Learning:** NTU follows the national guidelines for credit transfer and recognition. This includes recognizing credits for students transferring from other technical colleges or those participating in international exchange programs, ensuring their prior achievements are formally integrated into their transcripts.
- ✓ **Certification:** Upon completion of the required 240 ECTS, the university issues a Technical Bachelor's Degree. Along with the degree, students receive a Diploma Supplement (as per Bologna Process standards), which provides a detailed description of the nature, level, and content of the studies pursued, enhancing the graduate's employability and international recognition.

2.1.5 Standard 5

TEACHING STAFF

Achievement and Progress

The Accounting Techniques Department emphasizes the quality and performance of its academic staff as the primary driver of educational excellence. The Academic Performance Indicator (API) is used annually to evaluate and enhance staff effectiveness.

- ✓ **API Implementation:** The department has implemented a comprehensive API system that evaluates staff based on three main pillars: Teaching Excellence (student feedback and pedagogical innovation), Research Output (publications in Scopus/Clarivate and citations), and Institutional/Community Service.
- ✓ **Performance Analysis:** For the latest academic cycle, 85% of the staff achieved a "Distinguished" or "Very Good" rating in their API scores. This reflects a high commitment to the Bologna Process requirements, particularly in digital content creation on Moodle.

- ✓ **Professional Development:** Based on API results, the department has organized 5 specialized workshops this year focusing on **IFRS updates** and **advanced data analytics** in accounting to ensure staff remain at the forefront of the profession.
- ✓ **Recruitment & Progression:** The department follows strict institutional criteria for recruitment, ensuring that new staff possess both academic qualifications (PhD/MSc) and practical industrial experience in the financial sector.

Comments and Recommendations:

- ✓ **Observation:** There is a significant increase in the use of blended learning tools among staff compared to previous years.
- ✓ **Recommendation:** It is recommended to further incentivize staff to publish in international journals with high impact factors to boost the university's global ranking.

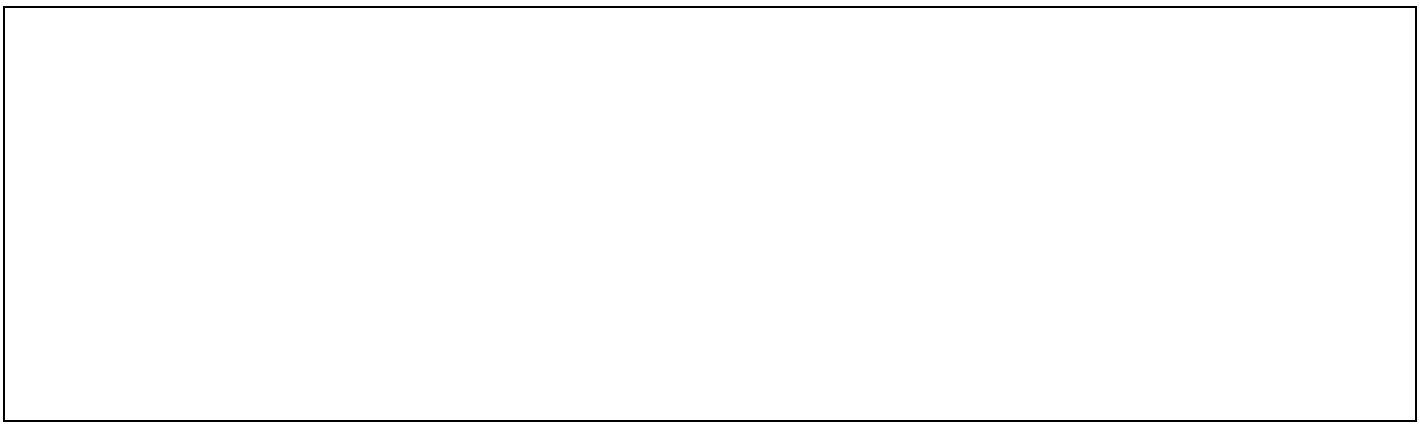
2.1.6 Standard 6

LEARNING RESOURCES AND STUDENT SUPPORT

Achievement and Progress

The Northern Technical University (NTU) ensures the sustainability of its educational environment through dedicated funding and the provision of diverse learning resources. In the Accounting Techniques Department, the following resources are provided:

- ✓ **Funding of Activities:** Learning and teaching activities are funded through the university's annual budget, supplemented by revenues from consulting services and professional training programs. These funds are allocated for infrastructure upgrades, software licenses, and staff training.
- ✓ **Specialized Laboratories:** The department provides advanced **Computer Labs** equipped with professional accounting software (e.g., Al-Ameen, QuickBooks, and ERP systems). These labs are essential for the practical application of Bologna Process modules.
- ✓ **Library & Digital Resources:** Students have access to the Central University Library and a specialized departmental library. Furthermore, NTU provides access to the Iraqi Virtual Science Library (IVSL**)** and international research databases, allowing students to access digital books and journals 24/7.
- ✓ **Online Learning Support (LMS):** The Moodle platform serves as a primary resource for 24/7 access to lecture notes, recorded sessions, and interactive quizzes, ensuring learning continuity outside the classroom.
- ✓ **Student Support Services:** The department offers a robust Academic Advisory System where each student is assigned a mentor to assist with academic and career guidance. Additionally, the Career Development Center (CDC) at NTU provides vocational training and job-matching services for accounting graduates.
- ✓ **Accessibility:** All physical and digital resources are designed to be readily accessible, with dedicated support for students with special needs to ensure inclusive education.



2.1.7 Standard 7

INFORMATION MANAGEMENT

Achievement and Progress
The Accounting Techniques Department at NTU utilizes integrated digital systems to collect and analyze data, ensuring evidence-based decision-making for program management. The implementation includes: ✓ **Key Performance Indicators (KPIs):** The department monitors specific KPIs annually, such as the teacher-to-student ratio, research productivity per faculty member, and the percentage of modules updated according to labor market needs. ✓ **Student Population Profile:** Data is systematically collected regarding student demographics, educational backgrounds, and gender distribution to tailor support services effectively. ✓ **Progression, Success, and Drop-out Rates:** Through the Electronic Student Affairs System, the department tracks academic progression. Data analytics help identify "at-risk" students early in the semester, allowing for academic intervention and reducing drop-out rates. ✓ **Student Satisfaction Surveys:** At the end of each semester, students provide feedback via anonymous digital surveys regarding course content, teaching methods, and assessment fairness. This data is analyzed by the Quality Assurance unit to improve delivery. ✓ **Learning Resources Availability:** The department conducts periodic audits on the usage of computer labs, library resources, and Moodle LMS engagement levels to ensure that learning supports are meeting student demands. ✓ **Career Paths of Graduates:** Through the Alumni Tracking System and the CDC center, the department collects data on employment rates and the types of financial institutions hiring our graduates. This information is used to refine the learning outcomes of the accounting program.

2.1.8 Standard 8

PUBLIC INFORMATION

Achievement and Progress
The Northern Technical University (NTU) maintains a policy of full transparency by providing the public with clear, accurate, and up-to-date information regarding its academic offerings and institutional activities. In the **Accounting Techniques Department**, this is achieved through several digital platforms: ✓ **Official University Website:** The primary source for institutional news, strategic plans, and official announcements. It includes dedicated sections for quality assurance and the Bologna Process guidelines. ✓ **Departmental Webpage:** Provides specific details about the Accounting Techniques Program, including:

- Program objectives and Intended Learning Outcomes (ILOs).
- Detailed Course Catalog and ECTS distribution.
- Admission requirements and graduation criteria.

- ✓ **Social Media Presence:** The university and department use verified platforms (Facebook and Telegram) to provide real-time updates on seminars, workshops, and student activities, ensuring accessibility for the younger generation.
- ✓ **LMS Portal:** While primarily for students, the portal's structure provides public-facing descriptions of the modules offered under the Bologna Process.

.

2.1.9 Standard 9

ON-GOING MONITORING AND PERIODIC REVIEW OF PROGRAMMES

Achievement and Progress
The Accounting Techniques Department implements a continuous cycle of monitoring and periodic review to ensure the program remains relevant and effective. This process includes: ✓ **Society and Market Needs:** The curriculum is reviewed annually in coordination with the Industrial Advisory Board. For instance, learning outcomes were recently updated to include "Digital Accounting" and "Audit Automation" to meet the increasing demand for tech-savvy accountants in the Iraqi labor market. ✓ **Student Workload and Progression:** Using ECTS data analytics, the department monitors the actual time students spend on modules. If progression rates drop in specific modules, the workload is redistributed or the delivery method is adjusted to ensure students can complete the program within the 4-year timeframe. ✓ **Effectiveness of Assessment:** The department evaluates assessment methods (formative and summative) at the end of each semester. This ensures that exams and projects accurately measure the intended learning outcomes and that the Moodle-based grading is transparent and fair. ✓ **Student Expectations and Satisfaction:** Periodic "Course Evaluation Surveys" are conducted. The results are discussed in departmental councils, leading to tangible changes such as increasing practical laboratory hours based on student requests for more hands-on training. ✓ **Learning Environment and Support:** The department regularly assesses the fitness of its computer labs and library resources. Recent reviews led to the upgrading of accounting software licenses and the expansion of the "Academic Counseling" program to provide better psychological and academic support.

2.1.10 Standard 10

CYCLICAL EXTERNAL QUALITY ASSURANCE

Achievement and Progress

2.1.10 Standard 10: Cyclical External Quality Assurance

Achievement and Progress (English):

The Northern Technical University (NTU) and the Accounting Techniques Department are fully prepared for cyclical external quality assurance reviews. The institution operates with a high level of transparency and

readiness for external audits by following these protocols:

- ✓ **Information and Report Readiness:** All required documentation, including Self-Evaluation Reports (SER), program specifications, and ECTS catalogs, are digitized and ready for external review. These are maintained in accordance with the standards of the Ministry of Higher Education and Scientific **Research (MOHESR)** and international quality bodies.
- ✓ **Infrastructure Readiness:** The department has ensured that its physical and digital infrastructures (labs, libraries, and the LMS platform) meet the standards required for external accreditation.
- ✓ **External Engagement:** The department regularly hosts peer-review committees and national quality auditors to assess the implementation of the Bologna Process.
- ✓ **Public Availability:** Quality-related reports and university performance indicators are published on the official website to ensure they are accessible to external reviewers and the public.

2.2 General statistics on Student achievement, marks and grade

Achievement and Progress

Students' Gender Distribution: Approximately **37 male students** and **21 female students**.

Marks Distribution:

- Continuous assessment (Formative): **40 marks**
- Midterm examination: **10 marks**
- Final examination: **50 marks**

Pass and Fail Rates within the Program:
Detailed statistics are **attached to the current report**.

Pass and Fail Rates across Programs:
Not applicable, as only one department currently offers the Bachelor's Program (BP) within this context.

2.3 General statistics on research

- Total **number of publications in the department: 8 research papers**.
- **Total number of research papers published in Scopus-indexed journals: Non**

2.4 General Recommendations and notes

Improve the documentation of quality assurance policies and ensure their transparent publication through official online platforms.

- Further develop student-centered learning practices, with particular emphasis on strengthening students' soft skills and professional competencies.

- Establish structured and formal mechanisms to involve stakeholders in periodic program evaluation and review processes.

- Enhance and expand digital learning resources as well as the supporting technological infrastructure to improve teaching and learning effectiveness.

- Develop Academic Performance Indicator (API) reports and systematically integrate them into annual quality assurance documentation and review cycles.

- Continue taking proactive steps toward achieving ESG-2015 Standards accreditation and aligning the program with international accreditation requirements

2.5 List of programs (Departments) that follow Bologna Process

Science

2. **Department of Accounting Technologies**

Submitted by:	Stamp	**Approved by**	Stamp
Full name		Full name	
Qualification	Ph.D., Professor	Qualification	Ph.D., Professor
Post	Director of Quality Assurance	Post	V.P. for the Scientific Affairs
Date	10 June 2025	Date	10 June 2025

4. STATISTICS AND SUCCESS RATES ACCORDING TO THE BOLOGNA SYSTEM FOR THE ACADEMIC YEAR 2024–2025

FIRST STAGE

Stage: First
Study Type: Both Morning and Evening Studies
Semester: First

	Financial Mathematics	Trade and finance legislation	Accounting Reading	Accounting Principle	Human Rights and Democracy	Statistics principle	English Language	Overall Success Percentage
Pass Percentage for Morning Study	%100	%100	%100	% 91.67	%100	%100	**%100**	**%98,81**

Pass Percentage for Evening Study	----	---	---	---	---	---	---	---
Overall Success Percentage	%100	%100	%100	%91,67	%100	%100	%100	%100

Stage Information

Stage: First
Study Type: Both Morning and Evening Studies
Semester: Second

Description	Financial Accounting	Principle of management	computer principles	Arabic Language	Principle of Economy	French language	physical education	Overall Success Rate
Pass Percentage for Morning Study	100%	% 91.67	% 91.67	100%	100%	100%	% 91.67	%98
Pass Percentage for Evening Study	---	---	---	---	---	---	---	---
Overall Success Percentage	100%	% 91.67	% 91.67	100%	100%	100%	% 91.67	%98

APPENDIX: ACADEMIC PERFORMANCE INDICATOR REPORT

Republic of Iraq - Ministry of Higher Education and Scientific Research
Northern Technical University/Technical college of Management Mousl
Bachelor's degree in Accounting Techniques (First cycle)

Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr
Program Curriculum (2024 - 2025)

جمهورية العراق - وزارة التعليم العالي والبحث العلمي
الجامعة التقنية الشمالية/ الكلية التقنية الادارية الموصل
بكالوريوس في تقنيات المحاسبة (الدورة الأولى)

أربع سنوات (ثمانية فصول دراسية) - ٢٤٠ وحدة اوربية - كل وحدة اوربية = ٢٥ ساعة
المنهاج الدراسي للعام 2024-2025

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGI	One	1	AT1212	Financial Mathematics	رياضيات مالية	Arabic	2		2		1	1	3	93	57	150	6.00	B	
		2	AT1213	Trade and finance legislation	تشريعات مالية وتجارية	Arabic	2		2			1	3	78	47	125	5.00	B	
		3	AT1211	Accounting Reading	قراءات محاسبية	English	2					1	2	47	28	75	3.00	B	
		4	TCMM106	Accounting Principle	مبادئ المحاسبة	Arabic	2		2		1	1	3	93	57	150	6.00	C	
		5	NTU100	Human Rights and Democracy	الديمقراطية وحقوق الانسان	Arabic	2						2	32	18	50	2.00	B	
		6	TCMM105	Statistics principle	مبادئ الاحصاء	English	2		2			1	3	78	72	150	6.00	B	
		7	NTU101	English Language	اللغة الانكليزية	English	2						2	32	18	50	2.00	B	
						Total	14	0	8	0	2	5	18	453	297	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
	Two	1	AT1214	Financial Accounting	المحاسبة المالية	Arabic	2	1	2	1	2	2	3	153	97	250	10.00	C	
		2	TCMM104	Principle of managenent	مبادئ الادارة	Arabic	2	1	2			1	3	93	57	150	6.00	B	
		3	NTU102	computer principles	مبادئ الحاسوب	Arabic	1		1			1	2	47	28	75	3.00	B	
		4	NTU103	Arabic Language	اللغة العربية	Arabic	2						2	32	18	50	2.00	B	
		5	TCMM107	Principle of Economy	مبادئ الاقتصاد	Arabic	2	1	2			1	3	93	57	150	6.00	B	
		6	NTU105	french langauge	اللغة الفرنسية	Arabic	2	1					2	47	28	75	3.00	E	
		7	NTU 104	physical education	الرياضة	Arabic	2		1				2	47	28	75	3.00	E	
				ملاحظة : المواد الدراسية 6-7 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	13	4	5	1	2	5	15	465	285	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWl hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGII	Three	1	AT223	Governmantal Accounting 1	محاسبة حكومية 1	Arabic	3		2			1	3	93	57	150	6.00	C	
		2	AT221	Intermediate Accounting 1	محاسبة متوسطة 1	Arabic	3		2		1	1	3	108	67	175	7.00	C	
		3	AT225	Tax Accounting	محاسبة ضريبية	Arabic	2		2			1	3	78	47	125	5.00	C	
		4	AT228	Qauntitve methods	اساليب كمية	Arabic	1		2				3	48	27	75	3.00	S	
		5	NTU201	English Language	اللغة الانكليزية	English	2					1	2	47	28	75	3.00	B	
		6	AT227	Accounting for Non Profit Units	محاسبة وحدات غير الربحية	Arabic	2		2				3	63	37	100	4.00	C	
		7	NTU200	Crimes of Al-Baath Party in Iraq	جرائم نظام البعث في العراق	Arabic	2						2	32	18	50	2.00	S	
						Total	15	0	10	0	1	4	19	469	281	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWl hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
	Four	1	NTU202	Computer	الحاسوب	Arabic	2		1				2	47	28	75	3.00	B	
		2	AT222	Intermediate Accounting 2	محاسبة متوسطة 2	Arabic	3	1	2		1	1	3	123	77	200	8.00	C	
		3	AT224	Governmantal Accounting 2	محاسبة حكومية 2	Arabic	3	1	2		1	1	3	123	77	200	8.00	C	
		4	AT226	Public Finance	مالية عامة	Arabic	1		3				3	63	37	100	4.00	B	
		5	NTU203	Arabic Language	اللغة العربية	Arabic	2						2	32	18	50	2.00	B	
		6	AT315	Financial institution Accounting	محاسبة مؤسسات مالية	Arabic	3		1			1	3	78	47	125	5.00	C	
						Total	14	2	8	0	2	3	16	466	284	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWl hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGIII	Five	1	AT311	Unified Accounting System 1	نظام محاسبي موحد 1	Arabic	2		2				3	63	37	100	4.00	C	
		2	AT319	Audit 1	تدقيق 1	Arabic	2		2			1	3	78	47	125	5.00	C	
		3	AT312	Financial Mnagement 1	ادارة مالية 1	Arabic	2		2				3	63	37	100	4.00	C	
		4	AT313	Personal Companies Accounting	محاسبة شركات الاشخاص	Arabic	3		2			1	3	93	57	150	6.00	C	
		5	AT310	Cost Accounting	محاسبة التكاليف	Arabic	3		2			1	3	93	57	150	6.00	C	
		6	AT321	Marketing and E-commerce	تسويق تجارة التكرونية	Arabic	3		2				3	78	47	125	5.00	C	
						Total	15	0	12	0	0	3	18	468	282	750	30.00		

	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWl hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
	Six	1	AT3111	Investment management	ادارة الاستثمار	Arabic	1		2				3	48	27	75	3.00	E	
		2	AT3112	Risk managemnet and insurance	ادارة الخطر والتأمين	Arabic	1		2				3	48	27	75	3.00	E	
		3	AT318	Financial management 2	الادارة المالية 2	Arabic	2		2			1	3	78	47	125	5.00	C	
		4	AT316	Cost Accounting 2	محاسبة التكاليف 2	Arabic	3		2			1	3	93	57	150	6.00	C	
		5	AT320	Audit2	التدقيق 2	Arabic	2		2				3	63	37	100	4.00	C	
		6	AT314	Accounting for financial insistution	نظم محاسبية متخصصة (موارد طبيعية)	Arabic	2		2				3	63	37	100	4.00	C	
		7	AT317	Unified Accounting System 2	نظام محاسبي موحد 2	Arabic	2		2				3	63	37	100	4.00	C	
		8	AT417	financial institution accounting	محاسبة منشات مالية دولية	Arabic	2		2				3	63	37	100	4.00	C	
				ملاحظة : المواد الدراسية 1-2 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	14	0	14	0	0	2	3	471	279	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWl hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
	Seven	1	AT411	Management accounting 1	المحاسبة الادارية 1	Arabic	2	1	2		1	1	3	108	67	175	7.00	C	
		2	AT4110	Accounting theory 1	النظرية المحاسبية 1	Arabic	2	1				1	3	63	37	100	4.00	C	
		3	AT414	Financial Control	الرقابة المالية	Arabic	3	1				1	3	78	22	100	4.00	C	
		4	NTU400	Scintific research Methodology	منهجية البحث العلمي	Arabic	2						2	32	18	50	2.00	C	
		5	AT415	International financial reporting standards	معايير الابلاغ المالي	Arabic	2		2				3	63	37	100	4.00	C	
		6	AT416	Specialized systems	نظم محاسبية متخصصة (قطاع مصرفي)	Arabic	2		2			1	3	78	47	125	5.00	C	
		7	AT418	accounting information system	نظم معلومات محاسبية	Arabic	2		2			1	3	63	37	100	4.00	C	
						Total	15	3	8	0	1	5	20	485	265	750	30.0		

	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWl hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGIV	Eight	1	AT412	Management Accounting 2	المحاسبة الادارية 2	Arabic	2	1	2		1	1	3	108	67	175	7.00	C	
		2	AT4111	Accounting Theory2	النظرية المحاسبية 2	Arabic	2	1				1	3	63	37	100	4.00	C	
		3	AT423	research project	مشروع البحث	Arabic	3					1	3	63	37	100	4.00	C	
		4	AT419	Advanced Financial Accounting	محاسبة مالية متقدمة (شركات مساهمة)	Arabic	2		2		1	1	3	93	57	150	6.00	C	
		5	AT413	Advanced Cost Accounting	محاسبة التكاليف المتقدمة	Arabic	2		2		1	1	3	93	57	150	6.00	C	
		6	AT420	Sustainable Development Accounting	محاسبة التنمية المستدامة	Arabic	3						3	48	27	75	3.00	E	
		7	AT421	Forensic Aacounting	المحاسبة القضائية	Arabic	3						3	48	27	75	3.00	E	
				ملاحظة : المواد الدراسية 5-6 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	16	2	7	0	2	6	21	531	319	850	30.0		
						Total	116	11	72	1	10	39	130	3808	2292	6100	240.0		Must be 240 ECTS

Note: The student should complete 8 weeks of Summer Internships to fullfil the requirements of the Bachelor's degree

Structured SWL (hr/w) type		
	CL	Class Lecture
	Lab	Laboratory
	Pr	Practical Training
	Tut	Tutorial
	Lect	Online lecture
	Semn	Seminar

Module type		
	B	Basic learning activities
	C	Core learning activity
	S	Suport or related learning activity
	E	Elective learning activity

SWL:	Student Workload
SSWL:	Structured SWL
USSWL:	Unstructured SWL

Note: Columns O, Q and R are progrmaed, protected and should not be edited

1.Preface

The Information Techniques Management Department at Northern Technical University adopts the Bologna Process to ensure academic quality, transparency, and continuous improvement. The program is structured in accordance with the European Credit Transfer and Accumulation System (ECTS), promoting outcome-based education and balanced student workload.

The curriculum integrates theoretical knowledge with practical applications in information systems, software development, data management, and digital transformation. Through established quality assurance mechanisms and ongoing curriculum review, the department aligns its academic standards with international best practices and evolving labor market needs.

This framework prepares graduates with strong technical, analytical, and managerial competencies, enabling them to contribute effectively to modern digital environments and pursue lifelong professional development.

2.Report Summary

This report presents a comprehensive overview of the Information Techniques Management program at Northern Technical University within the framework of the Bologna Process and ESG-2015 Standards for Quality Assurance in the European Higher Education Area.

The program is structured according to the European Credit Transfer and Accumulation System (ECTS) and follows an outcome-based education approach, ensuring transparency in learning outcomes, workload distribution, and assessment methods.

The department maintains internal quality assurance mechanisms aligned with institutional policies to support academic standards, student-centered learning, qualified teaching staff, adequate learning resources, and effective information management. Continuous monitoring and periodic review processes are implemented to ensure the program remains responsive to technological advancements and labor market requirements.

This report highlights the department’s commitment to quality enhancement, accountability, and alignment with European higher education standards.

2.1 ESG-2015 Standards

2.1.1 Standard 1
POLICY FOR QUALITY ASSURANCE

Achievement and Progress
• The Information Techniques Management Department at Northern Technical University Has Established a Quality Assurance Policy Aligned with The Esg-2015 Standards and The Guidelines of The Iraqi Ministry of Higher Education and Scientific Research. • The Policy Includes Periodic Self-Evaluation Processes, Stakeholder Engagement, And Structured Mechanisms for Continuous Improvement to Enhance Academic and Institutional Performance. • Internal Stakeholders, Including Academic Staff, Students, And Administrative Units, Contribute Actively to the Development and Implementation of Quality Assurance Practices Through Departmental Committees and Quality Assurance Units. • **Policy Url:** https://ntu.edu.iq/quality-assurance-and-university-performance/

2.1.2 Standard 2
DESIGN AND APPROVAL OF PROGRAMMES

Achievement and Progress
• The information techniques management program is designed in alignment with the university's strategic plan and includes clearly defined intended learning outcomes consistent with esg-2015 principles. • Students and relevant stakeholders participate in program development through feedback mechanisms, departmental committees, and periodic curriculum review processes. • The program benefits from external reference points and professional expertise to ensure alignment with international standards and labor market expectations. • The program structure supports smooth student progression and clearly defines student workload using the ects system (240 credits over four academic years), including sswl and usswl requirements. • The curriculum includes structured practical components, project-based learning, and training opportunities where applicable. • All programs undergo formal institutional approval and periodic review through departmental and university quality assurance procedures in accordance with the bologna process guidelines. • The university engages with industry representatives and external stakeholders to ensure that learning outcomes meet labor market needs and contemporary technological developments.

2.1.3 Standard 3
STUDENT-CENTERED LEARNING, TEACHING AND ASSESSMENT

Achievement and Progress
• The Information Techniques Management program adopts a student-centered learning approach that encourages active student participation in the educational process and aligns assessment methods with intended learning outcomes. • The department respects student diversity and supports flexible learning pathways through academic advising, project-based learning, and practical training components. • Various modes of delivery are applied, including lectures, laboratory sessions, workshops, projects, and digital learning platforms, ensuring effective knowledge transfer. • A variety of pedagogical methods are used to promote critical thinking, problem-solving, and innovation, and these methods are regularly reviewed through quality assurance evaluations and student feedback. • The department fosters learner autonomy while ensuring appropriate academic guidance and supervision from teaching staff. • Mutual respect between students and instructors is promoted through academic regulations and professional conduct standards. • Clear and transparent procedures are in place for handling student complaints through departmental and university-level mechanisms.

2.1.4 Standard 4
STUDENT ADMISSION, PROGRESSION, RECOGNITION AND CERTIFICATION

Achievement and Progress
• The Information Techniques Management program applies pre-defined and publicly available regulations governing all stages of the student life cycle, in accordance with the Ministry of Higher Education and university policies. • Student admission is conducted through centralized national admission procedures to ensure transparency and equal opportunity. • Student progression is monitored systematically through academic records, ECTS requirements, and clearly defined graduation criteria. • Recognition of credits and academic transfers follows institutional regulations aligned with the Bologna Process framework. • Certification is granted upon successful completion of program requirements (240 ECTS), including coursework, practical components, and the final project, ensuring compliance with academic standards.

2.1.5 Standard 5
TEACHING STAFF

Achievement and Progress
• The Information Techniques Management Department employs qualified academic staff holding Ph.D. and Master's degrees in relevant specializations to ensure high-quality teaching and research performance. • Teaching staff members are evaluated through the Academic Performance Indicator (API) system, which measures teaching effectiveness, research output, academic contribution, and professional development. • The API report is reviewed periodically to monitor performance, identify strengths, and provide recommendations for improvement and capacity development. • Continuous professional development opportunities are encouraged to enhance teaching quality, research productivity, and alignment with international academic standards. • A detailed Academic Performance Indicator (API) report is attached in the Appendix, including analysis, comments, and recommendations.

2.1.6 Standard 6
LEARNING RESOURCES AND STUDENT SUPPORT

Achievement and Progress
• Northern Technical University allocates financial and institutional resources to support teaching and learning activities, including laboratories, classrooms, and digital learning infrastructure. • The Information Techniques Management Department is equipped with computer laboratories furnished with modern hardware and specialized software to support practical training and applied learning. • Library services and electronic learning resources, including online databases and academic materials, are accessible to students and staff to enhance research and self-learning opportunities. • Student support services include academic advising, guidance from faculty members, and administrative assistance throughout the study period. • Continuous efforts are made to improve learning facilities, expand digital resources, and strengthen structured student support and career development services.

2.1.7 Standard 7
INFORMATION MANAGEMENT

Achievement and Progress
• The Information Techniques Management Department systematically collects and analyzes relevant data to support effective program management and quality assurance processes. • Key performance indicators (KPIs) are used to monitor student enrollment, academic achievement, progression rates, and overall program performance. • Data on student progression, success rates, and retention are regularly reviewed to ensure compliance with academic standards and continuous improvement. • Student satisfaction is measured through surveys and feedback mechanisms to evaluate teaching quality, learning resources, and student support services. • Information regarding learning facilities and available student support is monitored to ensure adequacy and accessibility. • The department works toward strengthening graduate tracking systems to monitor career paths and employment outcomes, supporting alignment with labor market needs.

2.1.8 Standard 8
PUBLIC INFORMATION

Achievement and Progress
Information about Northern Technical University, The Technical College of Management/Mosul, and the Information Techniques Management Department is publicly available through the official university platforms, ensuring transparency and accessibility for students and stakeholders. • Program details, admission requirements, study plans, faculty members, and academic regulations are published online and regularly updated. • The university ensures that information is clear, accurate, objective, and readily accessible in accordance with ESG-2015 principles. **Official University Website:** https://ntu.edu.iq/ **College Website (Administrative Technical College – Mosul):** https://ntu.edu.iq/ar/atc-ar/ **Department Website:** https://ntu.edu.iq/ar/Information Techniques Management

2.1.9 Standard 9
ON-GOING MONITORING AND PERIODIC REVIEW OF PROGRAMMES

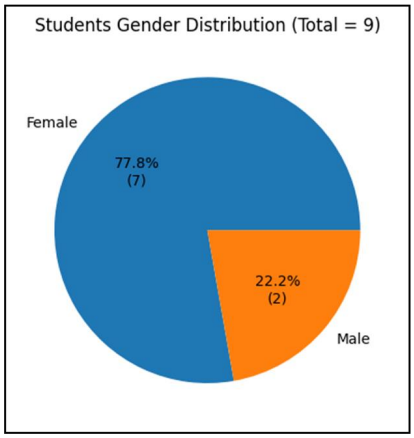
Achievement and Progress
• The Information Techniques Management program undergoes regular monitoring and annual review of course content and intended learning outcomes to ensure alignment with academic standards and societal needs. • Curriculum updates are implemented periodically to reflect technological advancements, labor market developments, and emerging digital transformation trends. • Student workload (ECTS), progression, and completion rates are monitored to ensure balanced academic requirements and smooth academic progression. • Assessment methods are reviewed to ensure fairness, transparency, and alignment with learning outcomes. • Student feedback and satisfaction surveys are considered in evaluating program effectiveness and identifying areas for improvement. • The learning environment, laboratories, and student support services are periodically evaluated to ensure they remain adequate and fit for the program's objectives.

2.1.10 Standard 10
CYCLICAL EXTERNAL QUALITY ASSURANCE

Achievement and Progress
• The Information Techniques Management Department at Northern Technical University is working toward aligning its academic programs with the ESG-2015 Standards (European Standards and Guidelines for Quality Assurance in Higher Education) to enhance academic quality and adopt internationally recognized quality assurance practices. • Internal documentation, quality assurance policies, and academic procedures have been established to support both internal and external evaluations, ensuring compliance with ESG-2015 principles and continuous improvement. • The department demonstrates readiness for external quality assurance reviews by maintaining updated reports, performance indicators, and academic records; however, further enhancement in stakeholder engagement, systematic feedback utilization, and infrastructure modernization is recommended to fully meet ESG-2015 expectations.

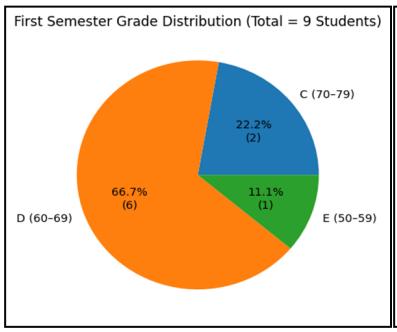
Achievement and Progress

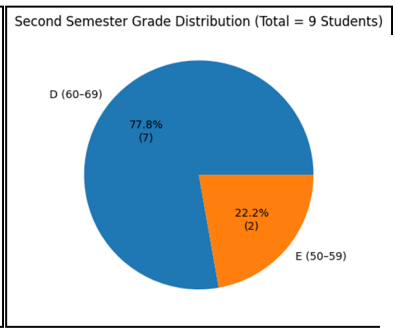
Students' male and female distribution.



The gender distribution indicates that female students represent 77.8% (7 students) of the total enrollment, while male students account for 22.2% (2 students), reflecting a clear female majority within the program.

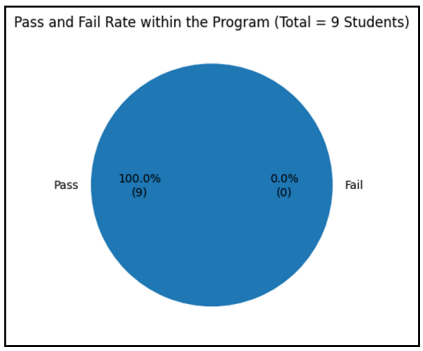
Students' marks distribution.





The grade distribution across both semesters indicates consistent academic performance, with the majority of students achieving Grade D (60–69). In the first semester, 22.2% of students reached Grade C, while in the second semester performance remained stable with no failures recorded. Overall, the results reflect satisfactory academic achievement and effective alignment between assessment methods and intended learning outcomes under the Bologna framework.

Students' fail and pass rate in one program.



The program achieved 100% pass rate ,indicating the effective academic delivery appropriate assessment practice and adequate student support mechanisms

Students' fail and pass rate among programs.

Not applicable, as the institution currently offers only one Bachelor's Program within this context. The overall pass rate of the program is 100%, with no recorded failures.

2.3 General statistics on research

Achievement and Progress

· Total **number of publications in the department: 8research papers**.

· **Total number of research papers published in Scopus-indexed journals:6 research papers**.

2.4 General Recommendations and notes

• Continue strengthening alignment between course learning outcomes and labor market requirements through regular consultation with external stakeholders.

• Enhance the use of data-driven decision making by further developing structured graduate tracking and feedback systems.

• Expand digital learning resources and online academic databases to better support research and independent learning.

• Maintain continuous professional development opportunities for teaching staff in innovative pedagogical and assessment practices.

• Sustain the current academic stability and high success rates while ensuring continuous improvement in accordance with ESG-2015 standards.

2.5 List of programs (Departments) that follow Bologna Pro

Science

1. Information Techniques Management Department

Submitted by:	Stamp	**Approved by**	Stamp
Full name		Full name	
Qualification	Ph.D., Professor	Qualification	Ph.D., Professor
Post	Director of Quality Assurance	Post	V.P. for the Scientific Affairs
Date	28 Feb 2026	Date	28 Feb 2026

Appendix

Evaluate	Level	Sub.
15	Level 1	English Language
14	Level 1	Democracy and Human Rights
14	Level 1	Accounting Principles
14	Level 1	Principles of Statistics
15	Level 1	Principles of Programming
15	Level 1	Mathematics
15	Level 1	Arabic Language
15	Level 1	Computer
15	Level 1	IT Essential
14	Level 1	Principles of Management
15	Level 1	Principles of Economics
15	Level 1	Object Oriented Programming

Academic Performance Statistics and Success Rates under the Bologna System – Academic Year 2024–2025

First Stage – Morning and Evening Programs – First Semester

	English Language	Democracy & Human Rights	Accounting Principles	Principles of Statistics	Principles of Programming	Mathematics	Overall, Success Percentage
Pass Percentage (Morning Study)	100%	100%	100%	100%	100%	100%	100%
Pass Percentage (Evening Study)	---	---	---	---	---	---	---
Overall, Success Percentage	100%	100%	100%	100%	100%	100%	100%

First Stage – Morning and Evening Programs – Second Semester

	Arabic Language	Computer	IT Essential	Principles of Management	Principles of Economics	Object Oriented Programming	Overall, Success Percentage
Pass Percentage (Morning Study)	100%	100%	100%	100%	100%	100%	100%
Pass Percentage (Evening Study)	---	---	---	---	---	---	---
Overall, Success Percentage	100%	100%	100%	100%	100%	100%	100%

Republic of Iraq - Ministry of Higher Education and Scientific Research
Northern Technical University/Technical college of Management Mousl
Bachelor's degree in information Techniques Management (First cycle)

Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr
Program Curriculum (2024 - 2025)

جمهورية العراق - وزارة التعليم العالي والبحث العلمي
الجامعة التقنية الشمالية/ الكلية التقنية الادارية الموصل
بكالوريوس في إدارة تقنيات المعلومات (الدورة الأولى)

أربع سنوات (ثمانية فصول دراسية) - ٢٤٠ وحدة اوربية - كل وحدة اوربية = ٢٥ ساعة
المنهاج الدراسي للعام ٢٠٢٤-٢٠٢٥

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w) CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
UGI	One	1	TCMM 108	Principles of Economics	مبادئ الاقتصاد	English	2		2			1	3	78	72	150	6.00	B	
		2	TCMM 105	Principles of Management	مبادئ الادارة	English	2		2			1	3	78	72	150	6.00	B	
		3	ITM 110	Mathematics	رياضيات	English	3				2	1	3	93	82	175	7.00	C	
		4	ITM 109	Principles of Programing	مبادئ البرمجة	English	2	1	2		1	1	3	108	67	175	7.00	S	
		5	NTU 100	Human rights and democracy	حقوق الانسان والديمقراطية	Arabic	2						2	32	18	50	2.00	B	
		6	NTU 101	English Language(1)	اللغة الإنكليزية(1)	English	2						2	32	18	50	2.00	B	
						Total	13	1	6	0	3	4	16	421	329	750	30.00		
	Two	1	NTU 102	Computer Principles (1)	مبادئ الحاسوب (1)	English	1		2			1	2	62	13	75	3.00	B	
		2	NTU 103	Arabic Language 1	اللغة العربية (1)	Arabic	2						2	32	18	50	2.00	B	
		3	TCMM 106	Principles of Accounting	مبادئ المحاسبة	English	2		2	1	1	1	3	108	67	175	7.00	B	
		4	TCMM 107	Principles of statistics	مبادئ الاحصاء	English	2	1	2		2	1	3	123	77	200	8.00	B	
		5	ITM 111	Object Oriented Programing	البرمجة الذينية (OOP)	English	2	1	3			1	3	108	92	200	8.00	C	
		6	NTU 104	Sports	الرياضة	English	1		1				2	32	18	50	2.00	E	
		7	NTU 105	French Language	اللغة الفرنسية	English	1		1				2	32	18	50	2.00	E	
				ملاحظة : المواد الدراسية 6-7 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	10	2	10	1	3	4	15	465	285	750	30.00		
UGII	Three	1	NTU 201	Computer Principles (2)	مبادئ حاسوب (2)	English	1		2			1	2	62	13	75	3.00	B	
		2	NTU 200	English Language (2)	اللغة الانكليزية (2)	English	2						2	32	18	50	2.00	B	
		3	NTU 204	Professional Ethics	اخلاقيات المهنة	English	2						2	32	18	50	2.00	B	
		4	ITM 205	Principles of Finical Management	مبادئ الإدارة المالية	English	3		1			2	3	93	82	175	7.00	S	
		5	ITM 206	Database Design	تصميم قواعد البيانات	English	2	1	3			1	3	108	92	200	8.00	C	
			ITM 207	Python Language	لغة بايثون	English	1	1	4	1		1	3	123	77	200	8.00	C	
						Total	11	2	10	1	0	5	15	450	300	750	30.00		
	Four	1	NTU 203	Crimes of Al-Baath Party in Iraq	جرائم نظام البعث في العراق	English	2						2	32	18	50	2.00	B	
		2	NTU 202	Arabic Language 2	اللغة العربية (2)	Arabic	2						2	32	18	50	2.00	B	
		3	ITM 208	Principles of Marketing	مبادئ التسويق	English	2		2			1	3	78	47	125	5.00	S	
		4	ITM 209	Database Management	ادارة قواعد البيانات	English	2	1	2		1	1	3	108	67	175	7.00	C	
		5	ITM 210	Principles of Computer Networks	مبادئ شبكات الحاسوب	English	2		3	1		1	3	108	67	175	7.00	C	
		6	ITM 212	Statistics Analysis (SPSS)	التحليل الاحصائي Spss	English	1		3		1	1	3	93	82	175	7.00	E	
		7	ITM 211	Matlab	ماتلاب	English	1		3		1	1	3	93	82	175	7.00	E	
				ملاحظة : المواد الدراسية 6-7 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	11	1	10	1	2	4	16	451	299	750	30.00		
UGIII	Five	1	ITM 301	Web Design	تصميم مواقع الكترونية	English	1	1	3		1	1	3	108	67	175	7.00	C	
		2	ITM 302	Project Management	ادارة مشاريع	English	2		1			1	3	63	37	100	4.00	C	
		3	ITM 303	Business Process Re-engineering	إعادة هندسة عمليات الاعمال	English	2		2			1	3	78	47	125	5.00	C	
		4	ITM 304	Management Information System	نظم المعلومات الادارية	English	2		2		1	1	3	93	57	150	6.00	C	
		5	ITM 305	Digital Transformation	التحول الرقمي	English	1		2			1	2	62	38	100	4.00	C	
		6	ITM 306	E-Marketing	التسويق الالكتروني	English	2		1			1	3	63	37	100	4.00	C	
						Total	10	1	11	0	2	6	17	467	283	750	30.00		
	Six	1	ITM 307	Big Data	البيانات الضخمة	English	2	1	3			1	3	108	67	175	7.00	C	
		2	ITM 308	Systems Design and Analysis	تحليل وتصميم النظم	English	2		2			1	3	78	47	125	5.00	C	
		3	ITM 309	Operating Systems	نظم تشغيل (OS)	English	2		2		1	1	3	93	57	150	6.00	C	
		4	ITM 310	Mobile Applications	تطبيقات الموبايل	English	1		3		1	1	3	93	82	175	7.00	C	
		5	TCMM 200	Summer Training	التدريب الصيفي	English												C	
		6	ITM 311	Internet of Things	انترنيت الاشياء	English	1	1	2			1	2	77	48	125	5.00	E	
		7	ITM 312	Cloud Computing	الحوسبة السحابية	English	1	1	2			1	2	77	48	125	5.00	E	
				ملاحظة : المواد الدراسية 6-7 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	8	3	12	0	2	5	14	449	301	750	30.00		

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w							
UGIV	Seven	1	ITM 401	Artificial Intelligent	الذكاء الاصطناعي	English	2		3		2	1	3	123	77	200	8.00	S	
		2	ITM 402	Total Quality Management	ادارة الجودة الشاملة	English	2	1	1			1	3	78	72	150	6.00	C	
		3	ITM 403	Strategic Management	الادارة الاستراتيجية	English	3	1				1	3	78	47	125	5.00	C	
		4	NTU 400	Scientific Research Methodology	منهجية البحث العلمي	English	2					2	2	62	38	100	4.00	B	
		5	ITM 404	Software Engineering	هندسة البرمجيات	English	2		3		1	1	3	108	67	175	7.00	C	
						Total	11	2	7	0	3	6	14	449	301	750	30.0		

	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL nr/sem	USSWL nr/sem	SWL nr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w							
	Eight	1	ITM 405	Cybersecurity	الامن السيبراني	English	2	1	2		1	1	3	108	67	175	7.00	C	
		2	ITM 406	Business Intelligence	ذكاء الاعمال	English	2		2		1	1	3	93	82	175	7.00	C	
		3	ITM 407	Graduation Project	مشروع تخرج	English	2					2	2	62	63	125	5.00	C	
		4	ITM 410	Data Structure	هياكل بيانات	English	2	1	3		1	1	3	123	52	175	7.00	C	
		5	ITM 408	Financial Technology	التكنولوجيا المالية	English	2		1			1	3	63	37	100	4.00	E	
		6	ITM 409	Entrepreneurship	ريادة الأعمال	English	2		1			1	3	63	37	100	4.00	E	
				ملاحظة : المواد الدراسية 5-6 هي مواد اختيارية وتم احتساب الاوزان لمادة واحدة		Total	10	2	8	0	3	6	14	449	301	750	30.0		
						Total	84	14	74	3	18	40	121	3601	2399	6000	240.0		Must be 240 ECTS

Note: The student should complete 4 weeks of Summer Internships to fullfil the requirements of the Bachelor's degree

Structured SWL (hr/w) type		
	CL	Class Lecture
	Lab	Laboratory
	Pr	Practical Training
	Tut	Tutorial
	Lect	Online lecture
	Semn	Seminar

Module type		
	B	Basic learning activities
	C	Core learning activity
	S	Suport or related learning activit
	E	Elective learning activity

SWL:	Student Workload
SSWL:	Structured SWL
USSWL:	Unstructured SWL

Note: Columns O, Q and R are progrmaed, protected and should not be edited