

College of Administration and Economics, Al-Iraqia University

كلية الادارة والاقتصاد- الجامعة العراقية



**First Cycle – Bachelor's Degree, Department of
Management Information Systems**

College of Administration and Economics

بكالوريوس في نظم المعلومات الادارية (الدورة الاولى)- كلية الادارة
والاقتصاد- الجامعة العراقية



Table of Contents | جدول المحتويات

1. Mission & Vision Statement	بيان المهمة والرؤية
2. Program Specification	مواصفات البرنامج
3. Program Goals	أهداف البرنامج
4. Program Student learning outcomes	مخرجات تعلم الطلاب
5. Academic Staff	الهيئة التدريسية
6. Credits, Grading and GPA	الاعتمادات والدرجات والمعدل التراكمي
7. Modules	المواد الدراسية
8. Contact	اتصال

1. **Mission & Vision Statement**

Vision Statement

The Management Information Systems (MIS) program is committed to delivering high-quality education that prepares competent professionals equipped with technical expertise, analytical capabilities, and ethical standards required to design, manage, and optimize information systems in a dynamic and technology-driven global environment. Through an integrated approach that combines theoretical foundations, practical applications, and research-based practices, the program promotes data-driven decision-making, innovation, system integration, and organizational effectiveness. Graduates are prepared to contribute effectively to public and private organizations by enhancing operational efficiency, strategic planning, digital transformation, and information governance.

Mission Statement

To be a distinguished Management Information Systems program recognized for academic excellence, technological relevance, and alignment with international standards in information systems and digital transformation. The program aims to develop qualified graduates capable of analyzing

organizational needs, designing and managing information systems, and supporting strategic and managerial decision-making with high ethical responsibility, thereby contributing to institutional competitiveness, sustainability, and economic development at both national and global levels.

2. Program Specification

Program code:	CAE	ECTS	240
Duration:	4 levels, 8 Semesters	Method of Attendance:	Full Time

The Management Information Systems (MIS) program is designed to equip students with the technical, analytical, and managerial competencies required for careers that integrate information technology with organizational management across public and private sectors. The program prepares students to analyze, design, implement, and manage information systems that support organizational operations, decision-making, and strategic planning. Students learn how to enhance organizational performance through effective use of data, information systems, and digital solutions in alignment with managerial and technological standards.

The curriculum consists of an integrated set of courses that establish a strong theoretical foundation in information systems concepts, programming fundamentals, databases, statistics, management principles, and systems analysis. Building on this foundation, the program develops domain-specific skills in areas such as systems analysis and design, management information systems, database management, business analytics, enterprise systems, information security, digital transformation, and IT governance. Overall, the program aims to prepare graduates for careers where they actively contribute to system development, information management, digital decision-making, and organizational efficiency.

Level 1 provides students with a solid foundation in mathematics, statistics, computer fundamentals, introductory programming, and basic management concepts, enabling progression to all subsequent program modules. Program-specific core subjects are introduced at Level 2, preparing students for advanced and application-oriented modules at Levels 3 and 4.

At Levels 2, 3, and 4, students study advanced topics such as systems analysis and design, database systems, business intelligence and analytics, enterprise resource planning (ERP), information security management, IT project management, and digital governance. Students acquire competencies in analytical thinking, data-driven decision-making, system modeling, professional communication, and problem-solving, along with an understanding of organizational, technological, and regulatory environments. Consequently,

graduates gain industry-relevant and market-oriented knowledge, skills, and professional capabilities.

The research culture is embedded from the early stages of the program through applied case studies, practical system development projects, and analytical exercises integrated within coursework, as well as through dedicated practical modules, research seminars, and tutorials. A compulsory field training course at Level 1 must be successfully completed to progress to Level 2, with optional field training courses offered at Levels 2, 3, and 4. At Level 4, all students are required to undertake an independent research project in the field of Management Information Systems.

3. Program Goal

The Control and Auditing program equips students with the knowledge, skills, and professional competencies required to succeed in complex and highly regulated organizational environments. Through a balanced integration of theoretical foundations and practical applications, the program fosters analytical thinking, professional judgment, risk assessment, and ethical responsibility. Students develop a comprehensive understanding of core areas such as accounting, auditing standards, internal control systems, financial reporting, governance, and compliance.

The curriculum enhances students' abilities in audit planning, evaluation of internal controls, financial analysis, and evidence-based decision-making, enabling graduates to address organizational risks and ensure financial reliability. Strong emphasis is placed on digital auditing tools, data analytics, and information systems, preparing students to operate effectively in technology-driven auditing and control environments. The program promotes professional communication, teamwork, and reporting skills essential for effective interaction with management, regulators, and stakeholders.

An ethical and regulatory focus is embedded throughout the program, reinforcing integrity, independence, and accountability while supporting corporate governance, transparency, and sustainability. The program encourages critical thinking, adaptability, and continuous professional development to keep pace with evolving auditing standards, regulatory requirements, and emerging risks.

With a global perspective, the Control and Auditing program prepares students to operate within international auditing and financial reporting frameworks by developing cross-cultural awareness and understanding of global professional standards. Graduates are well prepared for diverse career paths in internal and external auditing, control and compliance, financial oversight, risk management, public sector auditing, and assurance services.

Student Learning Outcomes

Graduates of the Control and Auditing program will be able to:

Apply Auditing and Control Knowledge – Demonstrate a solid understanding of accounting principles, auditing standards, internal control systems, financial

reporting, and governance frameworks.

Analyze and Evaluate Financial Information – Apply analytical and critical thinking skills to assess financial statements, audit evidence, risks, and compliance with professional and regulatory standards.

Perform Audit and Control Functions – Plan, execute, and document auditing and control procedures in accordance with recognized professional and ethical standards.

Demonstrate Professional Judgment and Ethics – Apply ethical principles, independence, integrity, and professional responsibility in auditing, control, and assurance activities.

Communicate Audit Findings Effectively – Prepare clear, accurate, and professional audit reports and communicate findings effectively with management and stakeholders, both orally and in writing.

Utilize Digital Auditing Tools and Technologies – Employ audit software, data analytics, and information systems to enhance audit quality, efficiency, and decision-making.

Assess Risk and Internal Control Systems – Identify, analyze, and evaluate organizational risks and the effectiveness of internal control and risk management frameworks.

Work Effectively in Teams and Professional Environments – Collaborate efficiently within audit teams and demonstrate professional conduct in organizational and regulatory contexts.

Understand Regulatory and Global Auditing Frameworks – Apply national and international auditing, accounting, and compliance standards within diverse institutional and global environments.

Adapt to Professional and Regulatory Changes – Demonstrate continuous learning, adaptability, and readiness to respond to evolving auditing standards, technologies, and regulatory requirements.

4. **Academic Staff**

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5. Credits, Grading and GPA

Credits

Middle Technical University is following the Bologna Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 240, 30 ECTS per semester. 1 ECTS is equivalent to 30 hrs student workload, including structured and unstructured workload.

Grading

Before the evaluation, the results are divided into two subgroups: pass and fail. Therefore, the results are independent of the students who failed a course. The grading system is defined as follows:

GRADING SCHEME				
مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note:				
Number Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				

Calculation of the Cumulative Grade Point Average (CGPA)

1. The CGPA is calculated by the summation of each module score multiplied by its ECTS, all are divided by the program total ECTS.

CGPA of a 4-year B.Sc. degree:

$$CGPA = [(1st^{module} \text{ score} \times ECTS) + (2nd^{module} \text{ score} \times ECTS) +] / 240$$

6. Curriculum/Modules

Semester 1 | 30 ECTS credits | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
			hr/sem	hr/sem			
1	MMIS-1101	Management Information Systems Basics	78	97	7	C	
2	MMIS-1102	Principles of Statistics	78	97	7	C	
3	MMIS-1103	Principles of Management	78	72	6	C	
4	MMIS-1104	Principles of Economics	78	72	6	S	
5	UOM-104	Democracy and Human Rights	33	17	2	B	
6	UOM-101	Arabic	33	17	2	B	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
			hr/sem	hr/sem			
1	MMIS-1205	Management Information Systems	78	97	7	C	
2	MMIS-1206	Sustainable Information Systems	78	72	6	C	
3	MMIS-1207	Mathematics for Business Management	78	72	6	C	
4	MMIS-1208	Accounting Basics	78	72	6	S	
5	UOM-103	Computer	48	27	3	B	
6	UOM-102	English	33	17	2	B	

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
			hr/sem	hr/sem			

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
			hr/sem	hr/sem			

Semester 5 | 30 ECTS | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
			hr/sem	hr/sem			

Semester 6 | 30 ECTS | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
			hr/sem	hr/sem			

Semester 7 | 30 ECTS | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
			hr/sem	hr/sem			

Semester 8 | 30 ECTS | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
			hr/sem	hr/sem			

Elective Subjects:

Semester	No.	Module Code	Module Name in English	SSWL	USSWL	ECTS	Module Type	Prerequisite Module(s) Code
				hr/sem	hr/sem			