College of Administration and Economics, Al-Iraqia University
كلية الادارة والاقتصاد- الجامعة العراقية

First Cycle – Bachelor's Degree, Department of **Digital Economics** College of Administration and Economics

بكالوريوس في الاقتصاد الرقمي (الدورة الاولى)- كلية الادارة والاقتصاد- الجامعة العراقية

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1. Mission & Vision Statement

Vision Statement

The Digital Economics program is committed to delivering high-quality education that prepares future economists, analysts, and professionals equipped with advanced economic knowledge, digital competencies, and ethical values required to succeed in a rapidly evolving digital and global economy. Through an integrated approach combining economic theory, data analytics, digital technologies, and research-driven insights, the program fosters critical thinking, innovation, evidence-based decision-making, and social responsibility. Graduates are prepared to contribute effectively to digital markets, technology-driven industries, and policy-making institutions by promoting sustainable growth, digital transformation, and economic innovation.

Mission Statement

To be a leading Digital Economics program recognized for academic excellence, innovation, and alignment with contemporary digital and economic developments. The program aims to empower graduates to become influential analysts, policymakers, and change-makers capable of leveraging digital

technologies, big data, and economic models to support informed decision-making, enhance economic performance, and drive sustainable economic and social 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 Digital Economics program is designed to equip students with the analytical, economic, and digital skills required for careers in digitally driven markets, technology-based industries, and modern economic institutions. The program prepares students to analyze and support economic activities and strategic initiatives within organizations operating in the digital economy. Students learn how to evaluate digital markets, data-driven business models, and technology-enabled economic processes that influence organizational and market performance.

The curriculum consists of an integrated set of courses that establish a strong theoretical foundation in economics, mathematics, statistics, and information systems. Building on this foundation, the program develops domain-specific skills in areas such as microeconomics and macroeconomics, digital economy fundamentals, statistics and econometrics, financial economics, data analytics, e-commerce, platform economics, and digital business strategies. Overall, the program aims to prepare graduates for careers where they contribute to economic analysis, strategic decision-making, and the management of digital economic activities.

Level 1 provides students with a solid foundation in mathematics, statistics, introductory economics, and basic information technology 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 digital economics analysis, business and economic analytics, financial and economic data analysis, digital platforms and markets, innovation economics, e-commerce systems, and economic ethics. Students acquire competencies in data-driven economic decision-making, analytical thinking, communication, and problem-solving, alongside an understanding of market dynamics, digital transformation, and global economic trends. Consequently, graduates gain industry-oriented and market-driven knowledge, skills, and professional competencies.

The research culture is embedded from the early stages of the program through applied economic case studies, data analysis projects, and practical applications 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 Digital Economics.

3. Program Goal

The Digital Economics program equips students with the economic knowledge, analytical skills, and digital competencies necessary for success in a rapidly evolving digital economy. Through a balanced integration of economic theory, data analysis, and practical applications, the program fosters analytical thinking, evidence-based decision-making, innovation, and ethical responsibility. Students develop a comprehensive understanding of core economic principles alongside digital technologies that shape modern markets, including digital platforms, e-commerce, financial technologies, and data-driven economic models.

The curriculum enhances students' problem-solving abilities, quantitative analysis skills, digital literacy, and data-driven economic decision-making, enabling graduates to analyze complex economic challenges in technology-enabled environments. The program promotes critical thinking, teamwork, and professional communication skills essential for effective collaboration in multidisciplinary and data-centric contexts. It encourages an entrepreneurial and innovative mindset, adaptability to emerging digital technologies, and responsiveness to evolving market dynamics.

A strong emphasis on economic ethics, corporate social responsibility, and sustainable digital development ensures that graduates contribute positively to society while maintaining professional integrity. With a global perspective, the program prepares students to engage with international digital markets by fostering cross-cultural awareness and an understanding of global economic systems and trends. Graduates are well prepared for diverse career paths, including digital economy analysis, economic consulting, data-driven policy analysis, financial technology, e-commerce strategy, and strategic economic planning.

Student Learning Outcomes

Graduates of the Digital Economics program will be able to:
Apply Digital Economics Knowledge – Demonstrate a solid understanding of economic principles, digital economy concepts, platform economics, and technology-driven market structures.
Analyze and Solve Economic Problems – Apply critical thinking, quantitative analysis, and data-driven techniques to address complex economic challenges in digital and technology-enabled environments.
Utilize Data and Digital Tools – Employ economic data analysis, business analytics, and digital platforms to support evidence-based economic and

strategic decision-making.
Demonstrate Professional and Teamwork Skills – Collaborate effectively in multidisciplinary teams and demonstrate professional conduct in economic, analytical, and policy-related environments.
Communicate Economic Insights Effectively – Present economic analyses, reports, and policy recommendations clearly and professionally in both written and oral forms.
Practice Ethical and Responsible Decision-Making – Apply ethical principles, digital responsibility, and sustainability considerations in economic analysis and decision-making.
Develop Strategic and Innovative Economic Thinking – Identify opportunities within digital markets, formulate economic and business strategies, and support innovation and sustainable growth.
Understand Global Digital Economic Dynamics – Analyze international digital markets, cross-border economic interactions, and global economic trends in the context of digital transformation.
Adapt to Technological and Economic Change – Demonstrate adaptability, continuous learning, and resilience in response to evolving digital technologies, economic systems, and market conditions.
Apply Financial and Economic Decision-Making Skills – Utilize financial, economic, and statistical data to support policy analysis, strategic planning, and sustainable economic development.

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 score x ECTS) + (2nd module score x ECTS) + ……] / 240

6. Curriculum/Modules

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

No.	Module Code	Module Name in English	SSWL hr/sem	USSWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
1	DEC1101	Principles of Microeconomics	78	122	8	C	
2	DEC1102	Principles of Management	63	87	6	B	
3	DEC1103	Principles of Accounting	48	77	5	B	
4	DEC1104	Introduction to the Digital Economy	78	97	7	B	
5	UN115	English Language	33	17	2	S	
6	UN116	Democracy and human rights	33	17	2	S	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

No.	Module Code	Module Name in English	SSWL hr/sem	USSWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
1	DEC1201	Principles of Macroeconomics	78	122	8	C	
2	DEC1202	Economic Readings E	63	77	5	B	
3	DEC1203	Principles of Statistics	63	87	6	B	
4	DEC1204	Financial Mathematics	48	87	5	B	
5	UN125	Fundamentals of Computer Science	48	27	3	S	
6	UN126	Arabic Language	33	17	2	S	

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

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

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

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

Semester 5 | 30 ECTS | 1 ECTS = 25 hrs

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

Semester 6 | 30 ECTS | 1 ECTS = 25 hrs

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

Semester 7 | 30 ECTS | 1 ECTS = 25 hrs

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

Semester 8 | 30 ECTS | 1 ECTS = 25 hrs

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

Elective Subjects:

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