Decree No. /22/O

The Minister of Higher Education

Based on the provision of legislative decree /**25**/ for the year 2002 and its amendments including the establishment of the Syrian Virtual University and the provisions of decree No. /99/O dated 26/10/2017 which includes the Internal list of regulations for the Syrian Virtual University and upon the suggestion of the Council of Syrian Virtual University and the Board of Trustees of the Syrian Virtual University

The following shall be decided:

Article 1- The system of Higher Education and the qualifying and specializing studies shall be adopted in the Syrian Virtual University.

Article 2- This Resolution shall be published and shall be communicated to whoever is required for its implementation.

Damascus 6/03/2018

Minister of Higher Education

Dr. Atef Nadaf

Higher Education System and

Specialization and qualifying Studies

In the Syrian Virtual University

First Section

Definitions and objectives of the college and scientific structure

First Chapter

Definitions

Article 1- Definitions: In the implementation of the provisions of this Law, the following terms shall mean the equivalent meaning beside each of them:

Ministry: The Ministry of Higher Education

Minister: The minister of higher education

The University President: The President of the Syrian Virtual University

The University: The Syrian Virtual University

University Council: The Council of the Syrian Virtual University

The Scientific affairs council: the scientific affairs council of the Syrian Virtual University

The Financial System: The financial system of the Syrian Virtual University

Accredited University: Any of the Universities accredited by the Ministry

The College: The College for Higher Education and specialization and qualification studies

The Program: The program for Higher Education or the specialization and qualification studies

Learning outcomes: The knowledge and skills that a student must have to be entitled to success.

Approved credit: is the adopted learning volume over targeted learning outcomes and related workloads. Each course shall be assigned a certain number of accredited units and the student shall acquire these units if they meet the criteria conditions in this course. Each credit unit is equal to (25) hours of the time spent by the student attending the sessions, following-up the non-synchronized sessions, and submitting homework, assignments and individual study during a semester of at least 14 weeks of actual teaching.

The course: is the learning unit in which the student's examination is conducted.

Virtual class: is a group of students enrolled in one of the program courses, where they can follow the synchronized sessions, communicate among each other, and communicate with the tutor through the approved systems at the university.

Synchronized Session: is a meeting through the Internet with the students of a virtual class with the aim of making debates and discussions in the context of covering a scientific or training material.

Non-synchronized Session: is a (audio visual) recording, by one of the specialists, that covers part of the scientific subject of the course, and is saved in accordance with the regulations of the University in case the student needs to refer to it whenever they wish to.

Article 2- The University awards Master's Degrees and qualification and specialization Master's degrees, and a diploma of qualification and specialization according to the provisions specified in this system.

Second chapter

Objectives of the College

Article 3- The College aims to achieve the following objectives:

A. To keep abreast of developments in emerging scientific fields, especially those resulting from the integration of different fields of science.

B. To support national development through qualifying specialized staff.

C. To provide a research and development environment in the various fields of science.

D. To secure an interactive environment and networking platform between the academic, productive, service and community sectors to meet regional and global competition requirements.

E. Engaging in the role of the knowledge society and securing its needs.

Third Chapter

The scientific structure of the college

Article 4- The College has the following departments and programs:

A. **Post- graduate department**: which includes the master's program in web science.

B - **Qualification and Specialization Studies Department**: It has the following programs:

1 - Diploma of pedagogical qualification.

2- Master of qualification and specialization in quality assurance.

3 - Master of qualification and specialization in technology management.

4 - Master of qualification and specialization in business administration.

5 - Master of qualification and specialization in web technologies.

Second Section

Post-Graduate Studies

Chapter One

Joint Master's Degrees rules (Post-graduate)

Article 5- Candidates for the preparation of a master's degree:

A. Must have a university degree with at least a "good" rate from any of the universities or higher institutes in the Syrian Arab Republic, or any scientific degree considered their equal by the Council for Scientific Affairs.

B. The Council for Scientific Affairs shall be entitled to the equivalence of the non-Syrian scientific degree and specialized filed eligible for admission to this program only, and this equivalence is not valid for other programs within the university or outside it, and this Council may request the equivalence of this degree from the related authorities in the Ministry of Higher Education, and the student has to provide all necessary documents and information required for the equivalence.

C. Has to pass the English language test presented by the University, or equivalent standard test scores, such as the TOEFL, IELTS, or any international Test accepted by the Council of Scientific Affairs, and its conditions are determined by the Council of Scientific Affairs provided that it has not been more than two years since the date when the student achieved the standard test document

D. has to submit the entry test for the program.

Article 6- Success in the course:

A. The final mark of the course shall consist of two parts: the written examination score is not less than 60%, and the activity degree not more than 40% of the final mark of the course. These percentages shall be determined by a decision of the Scientific Council and is consistent with the nature of each course based on the proposal of the teacher of the course teacher and the college and department boards.

B. The student shall be considered to have passed the course if the final mark is not less than 60%, provided that the grade of any of the parts is not less than 40% (the exam and the activity degree) of the total mark for each of them.

Article 7- Master's Thesis:

A. student shall make a research thesis on a subject approved by the Council of Scientific Affairs, and shall submit a report of the results of his work in this thesis

which shall be discussed before a panel of judges formed by the Council for Scientific Affairs for this purpose.

B. The student is not entitled to discuss the thesis before they succeed in all required courses.

C. The thesis shall be completed under the supervision of a faculty member or a person of equivalent status or a specialist with a doctorate degree who is approved by The Council of Scientific affairs.

D. A panel of judges shall be composed of PhD holders for each thesis from at least three members, one of whom is the supervisor.

E. The panel shall evaluate the thesis in accordance with the rules determined by the Council of Scientific Affairs. The student shall be considered successful in their thesis if he/ she obtained a score of not less than 60 out of 100.

F. The panel may give a period of maximum two months from the date of discussion to make improvements (if necessary) and in this case the discussion is not re-established.

G. A student shall be considered not passing thesis if they do not receive a mark of at least 60 or if the panel does not approve the amendments it requests within less than two months after the discussion.

H. The student is not entitled to defend the thesis before the passage of one calendar year from the date of the approval of search plan by the scientific affairs Council.

I. The student shall be considered to fail the program if they fail the thesis.

Article 8- Graduation rate: The graduation rate is calculated according to the following equation:

A. graduation rate = average score of courses* 0.6 + thesis mark × 0.4

B. Average of courses marks = total (course mark * number of units approved for the course) divided by the total number of units approved for all courses.

C. The average shall include all mandatory courses and optional courses required.

Article 9- A student shall obtain a Master's degree if:

A. He/ she passes all required courses.

B. He/ she succeeds in the master's thesis.

C. He/ she succeeds in one of the courses taught in English.

D. The student pays the fees and the financial installments incurred in accordance with the Financial Regulations.

Chapter II:

Master of Science in Web

Article 10- The Program Goals:

The program aims primarily at developing the research skills and technical knowledge of the students in the following basic subjects:

A. Studying, designing and evaluating both Web applications and cloud systems and mobile applications in the best way.

B. Protecting applications and maintaining their information security.

C. Exploring knowledge from massive web data down to business intelligence.

D. Analyzing social networking data.

E. Developing and enriching web content.

F. following up on the latest accelerating developments in web science.

Article 11- Learning outcomes:

A. Knowledge and understanding:

Students are expected to have a range of knowledge and values, including:

1. Recalling the concepts of design, implementation and protection of the Internet systems.

2. Explaining the mechanisms of developing web content.

3. Describing the tools and techniques that assist in the development of the Internet systems.

4. Knowing the tools and techniques of system protection.

5. Knowing the basics of scientific research, its types and stages of implementation, its methods, sources of needed data and methods of collecting it.

B. Intellectual Abilities:

Students are expected to have a range of knowledge, skills and values, including:

1. analyzing problems and developing software solutions.

2. practicing Scientific research systematically.

C. Practical Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Designing and implementing a web system.

2. Designing and implementing a portable system.

3. Writing the final report of the research.

D- General Transferable Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Continuing to search for developments in web science.

2. Working constantly to develop themselves and improve their performance.

Article 12- The candidate for the preparation of a master's degree in web science is required to have the scientific degree mentioned in paragraph (**A**) of Article (**5**) in the fields of informatics and computers, and this shall be determined by a decision of the Council of Scientific Affairs.

Article 13- Foundations of differentiation:

A- Admission among the candidates fulfilling the conditions stipulated in Articles (**5**) and (**12**) of these regulations shall be considered according to the acceptance rate.

B- The acceptance rate is calculated by taking the arithmetic average of three components which are:

1. Graduation rate in the scientific degree by which the candidate is accepted, and it shall be weighed by 45% at least of the acceptance rate.

2. The admission test referred to in paragraph (**D**) of Article (**5**), and shall be weighed at a maximum of 45% of the acceptance rate.

3. The source of the degree by which the candidate is accepted shall be weighed by 10% of the admission rate.

Article 14- study plan:

Course Name	Course code	Course classification	Priorities	Credit Units	Contact hours	Additional learning hours
Web software (in English language)	AWP	mandatory	-	7	45	130
Advanced concepts in saving and exchanging Data	ADE	mandatory	-	7	45	130
Data mining	ADM	mandatory	-	7	45	130
Web engineering	AWE	mandatory	-	7	45	130
Network and distributed Application Programming	ADP	mandatory		7	45	130
Multimedia	AHM	mandatory	AWP	7	45	130

and Hypermedia						
Mobile web	AMW	mandatory	AWP	7	45	130
Web mining	AWM	mandatory	ADM	7	45	130
Web security	AWS	mandatory	AWP-AWE	7	45	130
Information Retrieval	AIR	mandatory	-	7	45	130
Master's dissertation	ATH	mandatory	Completion of at least 56 credit hour	50	25	1225

Article 15- The Program's study and guided plan:

Term	Course Name	Code	priority
First	Web Program (in English Language)	AWP	-
	Advanced concepts in storage and exchange data	ADE	-
	Data Mining	ADM	-
	Web Engineering	AWE	-
	Programming of distributed and web applications	ADP	-
Second	Multimedia and Hypermedia	AHM	AWP
	Mobile Web	AMW	AWP
	Web Mining	AWM	ADM
	Web Security	AWS	AWP-AWE
	Data Retrieval	AIR	-
Third and Fourth	Master dissertation	ATH	Success in at least 56 credit hour

Article 16- Registration on the approved units of the program:

A. The minimum number of credit hours that a student has the right to register in one semester is 21.
B. The maximum number of credit hours that a student has the right to register in one semester is 35.

Article 17- Registration for Master's thesis requires that the student has studied 70 credit hours and completed at least 56.

Third Section

The provisions of qualification and specialization studies

Chapter One

Diploma of Educational Qualification

Article 18- Program objectives:

The program aims at the following:

A. Preparing human resources to work in the fields of education, psychological counseling, educational and psychological research

B. Raising human resources to the level of efficiency and excellence to master knowledge and skills, and to contribute to the production of educational and psychological knowledge through scientific research.

C. Developing the teacher skills and knowledge in teaching.

D. Training of teachers, mentors and educational administrators.

E. Enabling graduates to continue their professional growth through periodic training and self-learning.

F. contributing to the development of education in all its stages and types and branches and building an educational system and an electronic learning one that keep pace with global systems and adopt an active and effective learning approach

for its importance in the formation of a scientific, practical and initiative character for the student and for their ability to work together.

Article 19. Learning outcomes:

A. Knowledge and understanding:

Students are expected to have a range of knowledge, skills and values, including:

1 - Talking about basic theories and educational and psychological concepts.

2. Distinguishing the teaching methods appropriate for their competence.

3 - Determining the role of modern educational technologies in teaching.

4. Explaining theoretical knowledge and practical methods in the teaching of specialization course and the ability to connect between them.

5 - Explaining the methods of modern educational standardization and evaluation.

6 - Determining the required educational and professional values necessary for the profession of teaching and the trends and good behavior necessary for the good citizenship.

7. Explaining active and effective learning methods.

8. Comparing old and modern methods of education and their technologies.

B. Intellectual Abilities:

Students are expected to have a range of knowledge, skills and values, including:

1. Analyzing the educational and psychological problems and developing appropriate solutions to them.
2. Weighing all educational theories.
3. Explaining the role of the revolution of communication and information in the field of education.
4. Practicing critical thinking and creating new alternatives.
5. Applying appropriate intellectual skills to develop teaching performance.
6. Using the results of the evaluation in the development of educational learning process.

7. Facing problems with a scientific approach.
8. Suggesting innovative methods for the development of the specialization teaching.

C. Practical Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Using research, surveying and computer skills.
2. Using modern teaching methods and approaches in their field of specialization.
3. Employing teaching techniques in the development of the educational process.
4. Applying self-learning and lifelong learning methods.
5. Providing learners with life skills that enhance their personal and social development.
6. Using methods of encouragement and promotion in dealing with learners.
7. Applying the methods of breeding creativity among learners.
8. Applying active learning methods.

D - General Transferable Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Practicing communication skills.
2. Stimulating the motivation potentials of learners.
3. The educational approach in its comprehensive systemic concept is represented as “methodology is a system.”
4. Connecting theoretical knowledge to the practical one.
5. Emphasizing practical aspects.
6. Focusing on how to learn, and move from education to learning, and teaching the student how to learn.
7. Adhering to the standards and ethics of the teaching profession.

Article 20- In order to obtain the degree of the Diploma of Educational Qualification, the following is required:

A. To have a university degree from one of the universities or Institutes in the Syrian Arab Republic, or any scientific degree that is considered their equal by the Council of Scientific Affairs.
B. To be fit for teaching and educational work and this shall be determined by a committee that is established by the University Council.

C. The Council for Scientific Affairs shall be entitled to the equivalence of non-Syrian scientific degrees and specialization fields that qualify for the admission to this program only, and this equivalence is not valid for other programs inside or outside the university,
The Board may request the amendment of the scientific degree from the concerned parties in the ministry in which case the student has to present all necessary documents and information required for the equivalence of the degree.

Article 21- Admission among applicants shall be made according to the degree's field of study and the graduation rate.

Article 22- study plan:

A. The mandatory Courses: There are fourteen courses.

Course Name	Course Code	Course classification	Priority	Credit hours	Contact hours	Additional learning hours
Teaching Technology	CET	mandatory	-	4	45	55
Educational curricula	CEC	mandatory	-	4	45	55
Standardization and evaluation in modern education	CME	mandatory	-	4	45	55
General Teaching methods	CMT	mandatory	-	4	45	55
Special Teaching Methods		mandatory	-	4	45	55
Introduction to	GBS	mandatory	-	4	45	55

e-learning						
Computer driving skills	ICDL	mandatory	-	4	45	55
Comparative education	CCE	mandatory	-	4	45	55
Growth psychology	CDP	mandatory	-	4	45	55
Psychological health	CMH	mandatory	-	4	45	55
Educational psychology	CEP	mandatory	-	4	45	55
General Education and Philosophy of Education	CGE	mandatory	-	4	45	55
Practical Education	CTP	mandatory	(Prerequisite: Special teaching methods and General teaching methods)	4	45	55
Diploma Project	PRO	mandatory	(Prerequisite: Passing or registering in all essential courses)	4	45	55

B. Elective Courses: The student chooses two courses only and is divided into two groups:

1. First Group:

Course Name	Course code	Course classification	priority	Credit hours	Contact hours	Additional learning hours
School counseling	ESC	optional	-	4	45	55
Teaching	ETT	optional	-	4	45	55

thinking skills						
e-learning	EEL	optional	-	4	45	55
Learning by Computer and internet	CCL	optional	-	4	45	55

2. Second Group

Course Name	Course code	Course classification	priority	Credit hours	Contact hours	Additional learning hours
School and classroom management	CSM	optional	-	4	45	55
Education for people with special needs	ESE	optional	-	4	45	55
Scientific education	ECS	optional	-	4	45	55
Contemporary educational trends	EME	optional	-	4	45	55

Article 23- The Program guidance and study plan

Semester	Course name	Code	Course classification	priority
First	Information Technology	CET	mandatory	-
	Educational curriculum	CEC	mandatory	-
	Evaluation and standardization	CME	mandatory	-

	in the modern education			
	General education methods	CMT	mandatory	-
	Special education methods		mandatory	-
	Computer Driving skills	ICDL	mandatory	-
	Introduction to electronic learning	GBS103	mandatory	-
	An optional course from the first group courses		optional	-
Second	Comparative education	CCE	mandatory	-
	Educational psychology	CEP	mandatory	-
	Growth Psychology	CDP	mandatory	-
	General Education and education philosophy	CGE	mandatory	-
	Psychological health	CMH	mandatory	-
	Practical Education	CTP	mandatory	General and special teaching methods
	The project	PRO	mandatory	Passing or registering in all essential courses- mandatory
	An optional		optional	-

	course from second group courses			

Article 24- Success in the course:

A. The final mark of the course consists of two parts: the written examination score which is not less than 70%, and the class work that does not exceed 30% of the final mark of the course. These percentages shall be determined by a decision of the Council of Scientific Affairs in accordance with the nature of each course based on the proposal of the teacher of the curriculum and the boards of both the department and the college.

B. The student shall be considered to have passed the course if their final mark is not less than 50%, provided that the grade of any part is not less than 40% each (exam and class work) of the total mark.

Article 25- Practical Education:

The course of practical education is as follows:

A. practical education consists of two aspects: a theoretical aspect based on examples of the application of teaching skills in the classroom, and a practical aspect in the schools where the student is actually teaching.

B. A theoretical test for the theoretical side of the practical education is adopted and the distribution of the total mark of the course shall be as follows: 40% of the total grade of the course for the theoretical test, and 60% of the total grade of the course for the applied part.

C. The student’s grade should not be less than 20 grades for the theoretical test and 30 grades for the applied part.

D. The degree of success of the student in the practical education course is 50 (fifty) degrees.

Article 26- Diploma Project:

A- The distribution of the final grade of the project (100 degrees) is shown in the following table:

Content	grade
The project's problem, its importance and objectives, and preparation of the project plan	**20**
The research methodology used in the project and its tools	**15**
Collecting Data and Information and the practical application of the project	**15**
Data analysis and statistical processing	**15**
Writing the project report and the project's external design and its electronic presentation	**15**
The utilization of theoretical courses and practical experiences of the student in the project and the degree of creativity and innovation in the project	**20**
The total grade of the Project	**100**

B. The passing grade for the project is fifty.

Article 27- to obtain the Diploma of Educational Qualification degree, the student is required to:

A. succeed in all compulsory courses (including practical education and diploma project) and in two optional courses.

B. pay the fees and the financial installments incurred in accordance with the Financial Regulations system.

Chapter II

Joint provisions for Master's and specialization degree programs

Article 28- To be accepted for the Qualification and specialization Master's degree, the candidate is required to:

A. have a university degree from one of the universities or higher institutes in the Syrian Arab Republic, or any scientific degree considered by the Council of Scientific Affairs as equivalent.

B. The Council for Scientific Affairs shall be entitled to the equivalence of the scientific degree and the non-Syrian specialization degree for admission only to the program. This equivalence is not valid for other programs within or outside the university. The Council may request to amend the degree of the specialization of the related authorities in the Ministry, and the student must submit all documentation and necessary information required for the amendment.

C. pass the English language test offered by the University, or equivalent standard test scores such as the TOEFL, IELTS, or any international test accepted by the Council of Scientific Affairs. The terms of reference shall be determined by the Council of Scientific Affairs provided that no more than two years have elapsed since the date the student received the standard test document.

D. submit the entry test for the program.

Article 29- Criteria for admission:

A. The admission of candidates who conform to the conditions stipulated in the previous Article of this system shall be in accordance with the acceptance rate.

B. The acceptance rate is calculated by taking the weighted average of three components:

1. Graduation rate in the academic degree that the acceptance of the candidate is based upon and is weighted by at least 40% of the admission rate.

2. the acceptance test referred to in paragraph (D) of the previous article, and is weighed by 40% at most of the acceptance rate.

3. The source of the degree on which the candidate is accepted, and this is weighed by 10% of the admission rate.

Article 30- Passing to the next year:

The student shall be considered to have passed to the next year if he/she succeeds in the courses of the two semesters in accordance with the requirements of the minimum limit of registered credit hours approved in the program.

Article 31- Success in the course:

A. The final mark of the course shall consist of two parts: the written examination score which is not less than 60%, and the classwork which shall not exceed 40% of the final mark of the course. Such percentages shall be determined by a decision of the Affairs Council in accordance with the nature of each course based on the proposal of the course teacher and the boards of both the department and the college at the beginning each semester.

B. The student shall be considered to have succeeded in the course if the final mark is not less than 60%, provided that the grade of any of the two parts (exam and classwork) is not less than 40% of the total mark for each of them.

Article 32- Master's Project:

A. The student shall prepare a project about a subject approved by the Council of Scientific Affairs, and shall submit the result of their work in this project in a report that shall be discussed before a panel of judges formed by the Council for Scientific Affairs for this purpose.

B. The project shall be carried out under the supervision of one of the members of the educational board, or their equivalent, or a specialist who holds a doctorate degree and is agreed on by the Council of Scientific Affairs.

C. A committee of experts of the same specialization shall be formed for each project of at least three members, one of whom is the supervisor.

D. The Judiciary Committee shall evaluate the project in accordance with the rules determined by the Scientific Affairs Council. The student shall be considered to pass in the project if they obtained a score of not less than 60 of 100.

E. The Judiciary Committee may give a period not exceeding one month from the date of discussion to make amendments (if necessary), and in this case the discussion is not re-established.

F. The student is considered to have failed in the project if they do not receive a score of at least 60% or if the Committee does not approve the amendments that it has requested within less than one month after the discussion. The student shall register again for the project for one time only.

Chapter III

Master of qualification and specialization in quality

Article 33- The aims of the Program

The aim of the program is to qualify staff in the field of quality which serves to improve the performance of public and private organizations.

Article 34- Learning outcomes:

A. Knowledge and understanding:

Students are expected to have a range of knowledge, skills and values, including:

1. Recalling the concepts, principles, elements and tools of quality management systems, and quality management in projects.

2. Explaining both the functions of the management process (planning, organization, direction, control) and the technical functions of management

(Production, marketing, finance, strategy, chain supply…) and human resources management functions.

3. Describing the tools and techniques that help solve problems and model the problem of decision.

4. Defining the tools, techniques and approaches for quality development.

5. Explaining the different types of the cost of quality, and defining the standard costs as the basis for financial estimates.

6. Recalling the principles of Total Quality Management, the benefits of application, and application constraints.

7. Explaining terms and definitions related to quality control.

8. Describing the internal audit process.

9. Recalling the concepts of metrology, measurement methods and relevant reference specifications.

10. Distinguishing between notional product quality management (services, information) and material product quality management (goods, properties).

11. Explaining the principles of designing experiments, products and procedures.

B. Intellectual Abilities:

Students are expected to have a range of knowledge, skills and values, including:

1. Analyzing problems, developing solutions and initiating decision-making.

2. Practicing critical thinking, and creating new alternatives.

3. Adopting systematic thinking for the design of experiments, procedures and products, and selecting samples for tests.

4. Adopting the total quality management approach as a reference and guidance for all their administrative activities.

5. Using statistical techniques and extracting the results properly and comparing and criticizing them.

C. Practical Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Applying methods and tools in the field of quality, and investing the appropriate software.

2. Contributing to the construction and localization of quality systems with references of local and international standard specifications.

3. Developing solutions for quality problems and applying them.

4. Estimating costs, analyzing investments and their costs and analyzing value.

5. Developing strategic plans for quality, and linking them to the objectives and strategy of the Organization.

6. Analyzing and measuring risks quantitatively and qualitatively, classifying them, and making plans to address them.

7. Designing procedures, experiments, analyzing data and performing verification and validation tests.

8. Developing and implementing systems/procedures related to Customer Relationship Management (CRM).

9. Developing audit programs and following up on their implementation and documentation.

10. Evaluating the quality of products and processes using appropriate statistical control tools.

D - General Transferable Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Leading teams, solving conflicts, promoting teamwork and establishing justice among individuals.

2. Encouraging colleagues to contribute to the dissemination of quality culture in the organization.

3. Pursuing the search for best practices and experiences in local and global quality management and engineering.

4. Constantly working to develop themselves and improving their individual and the organization's performance, and changing for the better.

5. Dealing with different management systems and quality systems among several local or global organizations, focusing on relationship management from upstream to downstream (consumer).

6. Using the tools and techniques that enable them to formulate, summarize, and display performance reports.

7. Adhering to the standards and ethics of the profession.

Article 35- for the admission of a Master's degree, the candidate must have a scientific degree mentioned in paragraph (A) of Article **/28/** in one of the following specialized fields: engineering sciences, medical sciences, information science, Communications sciences, administrative and economic sciences, basic sciences, or any of the specialized fields that The Council of Scientific Affairs considers their equal.

Article 36- study plan:

A - Mandatory Courses: they are eight courses:

Course Name	Course code	Course classification	priorities	Credit hours	Contact hours	Additional Learning hours
Fundamentals in Management and HR management	QMH51	mandatory	-	7	45	130
Applied statistics	QAS51	mandatory	-	7	45	130
Problem solving and decision-making	QDM61	mandatory	-	7	45	130

Quality Management Systems	QMS61	mandatory	-	7	45	130
Techniques and Tools of Quality improvement	QIT62	mandatory	QAS51, QMS61, and QDM61	7	45	130
Finance management and Quality costs	QFM62	mandatory	QMS61, QMH51	7	45	130
Total Quality management	QTM62	mandatory	QMS61, QMH51	7	45	130
Quality Management in projects	QPM62	mandatory	QMS61, QMH51	7	45	130
Master's project	QPR73	mandatory	Studying a minimum of 91 credit hours and completion of at least 77 of them	30	15	735

B- Optional Courses: The student will study five courses, one of which is taught in English

Course Name	Course code	Course classification	priorities	Credit hours	Contact hours	Additional Learning hours
Statistic Control of Quality (In English)	QSC72	Optional	QAS51 and QMS61	7	45	130
Internal Quality Audit	QIA72	Optional	QMS61	7	45	130
Standardization Systems	QMM72	Optional	QAS51 and QMS61	7	45	130

Designing and analyzing experiments	QDE72	Optional	QAS51	7	45	130
Designing Products and Procedures	QPD72	Optional	QAS51	7	45	130
Services Quality Management	QSM72	Optional	QMH51 and QMS61	7	45	130
Strategic planning and analysis	QSP72	Optional	QMH51	7	45	130
Supply Chain Management(in English)	QCM72	Optional	QMH51	7	45	130
Marketing and customer relationship management	QMC72	Optional	QMH51	7	45	130

Article 37- Program guidance Study plan:

Semester	Course Name	Code	Course classification	Priorities
First	Fundamentals in Management and HR management	QMH51	mandatory	-
	Applied Statistic	QAS51	mandatory	-
	Problem Solving and Decision-making	QDM61	mandatory	-
	Quality management systems	QMS61	mandatory	-
Second	Techniques and Tools of Quality Improvement	QIT62	mandatory	QDM61, QAS51, and QMS61
	Finance management and Quality costs	QFM62	mandatory	QMH51 and QMS61
	Total Quality Management	QTM62	mandatory	QMS61 and QMH51

	Quality Management in Projects	QPM72	mandatory	QMS61 and QMH51
Third	Five of the optional courses mentioned in Article/**36/** provided one of them is taught in English		Optional	According to priorities mentioned in Article/**36/**
Fourth	Master's Project	QPR73	mandatory	Passing at least 77 credit hour and studying at least 91 credit hours

Article 38- Registering for the approved credits of the program:

A. The minimum number of hours to which the student is entitled to register for in the semester is **21** units.

B. The maximum number of hours to which the student is entitled to register for in the semester is **38** units.

C. The number of mandatory hours is **56**, the minimum number of optional hours is **35** and the number of hours for the project is **30.**

Article 39- To enroll for a Master's Project, the student must have previously studied at least **91** accredited hours of which at least **77** were completed.

Article 40- For the student to obtain a Master's degree, they must:

A. Succeed in all mandatory courses.

B. Achieve at least **35** accredited hours of the optional courses.

C. Succeed in at least one of the courses taught in English.

D. Succeed in the Master's project.

E. Pay the fees and the financial installments incurred in accordance with the Financial Regulations.

Chapter IV

Masters of qualification and specialization in technology management

Article 41- Program Goals:

The program aims to qualify university graduates from various disciplines in the field of technology management. This shall be through providing them with the knowledge and skills that will enable them to participate in the organization, planning and integration of the best technologies for the organization; and how to acquire, invest and develop them, and to follow up the integration of these technologies with the work procedures in the organization.

Article 42- Learning outcomes:

A. Knowledge and understanding

Students are expected to have a range of knowledge, skills and values, including:

1. Defining the basic management concepts of production, marketing, financing and human resources.

2. Describing the planning department, its objectives, types of plans and planning elements and constraints.

3. Explaining the concept of decision-making in the technical establishments, decision-making stages and types of decisions.

4. Explaining how an individual consumer can make their own decisions about consumption of technical goods and services through the market mechanism.

5. Knowing the basics of Information and Communication technology.

6. Knowing the concepts associated with change and creativity, using and dealing with them correctly.

7. Defining the basic concepts of financial accounting, its scientific rules and mechanism of operation.

8. Explaining methods of modeling the reliability of systems.

9. Knowing the concepts of quality, total quality and quality management tools.

10. Knowing the concepts of maintenance, the importance of maintenance, and the need for them.

11. Explaining the concepts of technology transfer and management.

12. Knowing the basics of management information systems.

13. Knowing project management and its variables.

B - Intellectual Abilities

Students are expected to have a range of knowledge, skills and values, including:

1. Practicing partial analysis, in particular the behavior of the individual consumer of technological product on a wide scale and consumption and the company's technical behavior on the scale of production and supply.

2. Practicing systematic evaluation of appropriate technologies.

3. Analyzing the need for the process of change and creativity in the institution and determining its strategic tendencies.

4. Analyzing and describing faults through the construction of the tree of malfunction of machines / equipment / systems.

C- Practical skills

Students are expected to have a range of knowledge, skills and values, including:

1. Using effective management tools for different technologies.

2. Developing consultancy in the field of technology transfer, development and management in companies and institutions.

3. Evaluating the available technologies and selecting the appropriate technology according to specific methodologies.

4. Analyzing and evaluating the technical reality in companies and institutions.

5. Designing economic and technical feasibility studies for the appropriate technologies.

6. Transforming creative ideas into works of innovation and creativity.

7. Using different mechanisms and tools for change and creativity.

8. Designing scientific methods to solve problems in the business world.

9. Designing the book of conditions of the functional system / project.

10. Analyzing and simplifying the studied system to represent them at several levels in the aim of identifying partial systems.

D- General Transferable Skills

Students are expected to have a range of knowledge, skills and values, including:

1. Leading the work teams to achieve the objectives of the work.

2. Advocating the spirit of teamwork among team members.

3. Advocating the principles of justice among the members of the teams.

4. Pursuing the search for best practices and experiences in local and global quality management and engineering.

Article 43- It is required for the candidates of a Master's degree to have the degree mentioned in paragraph **(A)** above in Article **/28/** in one of the following specialized fields: engineering sciences, medical sciences, information sciences, Communications sciences, administrative and economic sciences, basic sciences, or any of the specialized fields that The Council of Scientific Affairs considers equivalent.

Article 44- study plan

Course Name	Course Code	Course Classification	Priorities	Credit Hours	Contact hours	Additional Learning hours
Technology Economics and Management	MET	mandatory	-	6	50	100
Supply Chain Management	SCM	mandatory	-	6	50	100
Information and Communication Technology (in English)	ICT	mandatory	-	6	50	100
Technical Change and Creativity	TCI	mandatory	-	6	50	100
Scientific methods in Management	SMM	mandatory	-	6	50	100
Accounting and Financial management	AFM	mandatory	MET	6	50	100
Quality, Reliability, and Maintenance	QRM	mandatory	-	6	50	100
Technology Transfer and Development	TDT	mandatory	MET	6	50	100
Management Information Systems	MIS	mandatory	ICT	6	50	100
Systems Engineering	SE	mandatory	-	6	50	100
Industrial and Technological Marketing	ITM	mandatory	-	6	50	100
Technological Projects	TPM	mandatory	MET	6	50	100

Management						
Business and Technology Law	BTL	mandatory	-	6	50	100
New Product Development	NPD	mandatory	TCI	6	50	100
Experiences in Technology management	CTM	mandatory	TDT	6	50	100
Master's Project	FIP	mandatory	Studying at least 90 credit hours and completing at least 78 of them	30	15	735

Article 45: Guidance Study Plan for the Program

Semester	Name of the course in Arabic	Code	Priorities
First	Technology Economics and Management	MET	-
	Supply Chain Management	SCM	-
	Information and Communication Technology	ICT	-
	Technological change and Creativity	TCI	-
	Scientific Methods in Management	SMM	-
Second	Accounting and Financial Management	AFM	MET
	Quality, Reliability, and Maintenance	QRM	-
	Transferring and Developing Technology	TDT	MET

	Management Information Systems	MIS	ICT
	Systems Engineering	SE	-
Third	Industrial and Technological Marketing	ITM	-
	Technology Projects Management	TPM	MET
	Business and Technology Law	BTL	-
	New Product Development	NPD	TCI
	Experiences in Technology Management	CTM	TDT
Fourth	Master's degree	FIP	Studying at least 90 credit hours and completing at least 78 of them

Article 46- Registration on the approved units of the program

A. The minimum number of units to which the student is entitled to register for in one semester is **18** units.

B. The maximum number of units to which the student is entitled to register for in one semester is **36** units.

C. The number of units of the mandatory courses is **90** units, and the number of units for the Master's project is **30** units.

Article 47- To register a Master's Project, the student must have previously studied at least **90** accredited hours with at least **78** of which are completed.

Article 48- To have a Master's degree the following are a requirement:

A. To succeed in all courses.

B. To succeed in the Master's project.

C. To pay the fees and the financial premiums due in accordance with the Financial Regulations.

Chapter V

Master of Qualification and Specialization in Business Administration

Article 49- Program Goals:

A. Enhancing the students' skills in the functional areas of work that will allow them to develop the managerial skills necessary to be effective in a changing business environment.

B. helping students develop their careers in business, and encouraging them to engage in a new paradigm of knowledge delivery methods that depend on the virtual learning program, which in turn includes the study of multiple functional areas of business such as strategic management, financial management, economics, leadership, business, marketing, human resources management, and so on.

Article 50- Learning outcomes:

A. Knowledge and understanding

Students are expected to have a range of knowledge, skills and values, including:

1. Understanding the internal structures and companies' operations which range in size from small to multiple Nationalities

2. Describing how to link external power (e.g. taxes, legislations, and competition) to functional areas of the company.

3. Demonstrating the effects of procedures in one functional area on operations of other functional areas.

4. Explaining how a specific decision or intervention affects each of the company's key functional areas.

5. Explaining ideas, recommendations and other communications and persuasively presents them to the business audience.

B. Intellectual Abilities:

Students are expected to have a range of knowledge, skills and values, including:

1. Analyzing problems and suggesting appropriate solutions in different business areas.

2. Effectively planning with others to complete the works and projects.

3. Analyzing legal issues in the case of certain work.

4. Defending business decisions with respect to legal considerations.

5. Analyzing and solving the business problem that take place between two or more functional areas.

6. Applying analytical tools and techniques from more than one functional area to solve a problem or situation.

C. Practical Skills

Students are expected to have a range of knowledge, skills and values, including:

1. Identifying and analyzing the business problem for each functional area.

2. Assessing the capabilities and shortcomings in the company from different functional perspectives.

3. Analyzing an external strategic problem facing the company and assessing the options available to recommend a proper solution for the management.

4. Using appropriate tools or frameworks to solve a particular trade problem.

5. Evaluating the reactions and respond appropriately to them depending on emotional intelligence.

6. Applying the methodological logic for decision-making where ethics are concerned.

7. determining how the corporate's policy options affect external investors (e.g. customers, and the community).

D - General Transferable Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Evaluating the ethical effects in a particular trade problem.

2. Leading teams, resolving conflicts, and advocating teamwork and justice among individuals.

3. Pursuing the search for the best practices and experiences in business management.

Article 51- Criteria for differentiation/admission:

The acceptance rate is calculated by taking the weighted arithmetic average of four components:

A. the graduation rate in the scientific degree by which the candidate is accepted, and this is weighted by 40% of the admission rate.

B. the acceptance test referred to in paragraph **(D)** of Article **/ 28 /** and is weighted by 40% of the admission rate.

C. The source of the degree on which the candidate is accepted, and is weighted by 10% of the admission rate.

D. The specialization of the undergraduate degree and is weighted by 10% of the admission rate.

Article 52- Study Plan

Course Name in Arabic	Code	Course Classification	Priorities	Credit Hours	Priorities	Contact Hours	Additional Learning hours
Fundamentals in Management	PCM.101	mandatory		7		45	130
Business Economics	ME.102	mandatory		7		45	130
Human Resources management	HRM.103	mandatory		7		45	130
Marketing	MA.104	mandatory		7		45	130

Operations Management	OM.105	mandatory	PCM.101	7	PCM.101	45	130
Strategy (in English)	ST.106	mandatory	PCM.101	7	PCM.101	45	130
Financial Management	FM.107	mandatory	ME.102	7	ME.102	45	130
Organizational Behaviour	OB.108	mandatory	HRM.103	7	HRM.103	45	130
Research Methods in Business Management	BRM.109	mandatory	-	7		45	130
Management Information Systems	MIS	mandatory	DAC.113	7	DAC.113	45	130
International Marketing and Trading	IMT.111	mandatory	MA.104	7	MA.104	45	130
Projects Management	PM.112	mandatory	OM.105 FM.107	7	OM.105 FM.107	45	130
Data analysis using a computer	DAC.113	mandatory	BRM.109	7	BRM.109	45	130
Business Law	BL.114	mandatory	PCM.101	7	PCM.101	45	130
Graduation Project	Pr.115	mandatory	DAC.113	22	DAC.113	30	520

Article 53- Guiding Study Plan

Semester	Course	Course Code	Priorities
First	Methods of research in business administration	BRM.109	-
	Fundamentals in Management	PCM.101	-
	Business economics	ME.102	-
	Human Resources Management	HRM.103	-
	Marketing	MA.104	-

Second	Operations Management	OM.105	PCM.101
	Data Analysis using a computer	DAC.113	BRM.109
	Financial management	FM.107	ME.102
	Organizational behaviour	OB.108	HRM.103
	Business Law	BL.114	PCM.101
Third	Management Information systems	MIS.110	DAC.113
	International Marketing and Trade	IMT.111	MA.104
	Projects Management	PM.112	OM.105 FM.107
	Strategy	ST.106	PCM.101
Fourth	Master's project	Pr.115	DAC.113

Article 54- Registration for the approved units of the program:

A. The minimum number of units to which the student is entitled to register for in one semester is **21** units.

B. The maximum number of units to which the student is entitled to register for in one semester is **38** units.

C. The number of units of mandatory courses is **98**, and the number of units for the Master Project is **22**.

Article 55- To register a Master's Project, the student must have previously studied at least **98** accredited units **84** of which at least are completed.

Article 56- For the student to get a Master's degree, the following is required:

A. To succeed in all courses.

B. To succeed in the Master's project.

C. To pay the fees and the financial premiums due in accordance with the Financial Regulations.

Chapter six

Master of Qualification and Specialization in Web Technologies

Article 57- Program Goals:

A. To qualify graduates in the fields of different web technologies which enables them to methodically design and build web systems.
B. To provide scholastic and educational resources for various web technologies in accordance with the latest developments in science in this field.
C. To provide the local and Arab economy and industry with professional workforce to participate in the development and intellectual creativity which is considered the pillar of transition to a knowledge economy.

Article 58- Learning outcomes:

A. Knowledge and understanding:

Students are expected to have a range of knowledge, skills and values, including:

1. Defining the concepts and basics of designing web pages and associated technologies for computers and laptops.
2. Understanding the methods of hacking and the security gaps, and how to secure them.
3. Explaining and describing all parts of applications and web systems and their services, especially technologies used in their design and development.
4. Explaining terms and definitions related to the concepts of web technologies and the development of associated services.

B. Intellectual Abilities:

Students are expected to have a range of knowledge, skills and values, including:

1. Understanding the work of web systems and applications and identifying the basic development stages according to the requirements imposed.
2. Evaluating methods and technologies used and offering appropriate alternatives of technologies when needed.
3. Can assess problems and offer solutions, albeit partial.

C. Practical Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Applying the technologies and acquired skills in the design field and developing web applications.

2. Using good and effective methodologies for the development of web systems and applications.

3. Perfecting Web technologies and using them smoothly in good development and application practices.

4. Producing web applications and associated services or parts of them according to specific descriptions.

D- General Transferable Skills:

Students are expected to have a range of knowledge, skills and values, including:

1. Engaging effectively within a team and devoting initiatives to develop and improve teamwork and the quality of targeted products and applications.

2. Can evaluate the individual work in the team and the team as a whole in a logical, objective and professional way.

3. Working continuously on developing their knowledge, tools and acquired technologies to improve their individual and collective performance in the organization or institution where they work and change for the better.

4. Being able to communicate effectively and communicate technical information related to web technologies in a clear and smooth way with peers or colleagues at wor

Article 59- It is required that the candidate preparing a Master's degree has a scientific degree mentioned in paragraph **(A)** of Article **/ 28** / in one of the following specialized fields

Engineering Sciences, Information Sciences, Communication Sciences, Computer Sciences, Information Technology, Management of Information systems, Informatics in Economics and Management.

Article 60- study plan:

A. **Compulsory Courses**: They are eight courses:

Course Name	Course code	Course Classification	Priorities	Credit Hours	Contact hours	Additional learning hours
Designing web Application	WWD	Mandatory	-	7	45	130
XML technologies	WXL	Mandatory	-	7	45	130
Computer Networks	WNT	Mandatory	-	7	45	130
Developing Java applications	WJD	Mandatory	-	7	45	130
Multimedia and Internet	WIM	Mandatory	WNT	7	45	130
Portable Services	WMS	Mandatory	WJD	7	45	130
Web Engineering	WEG	mandatory	WXL, WWD	7	45	130
Internet Security (in English)	WIS	Mandatory	WNT	7	45	130
Master's project (Period of one year at least)	WPR	Mandatory	Studying at least 70 credit hours of which 56at least are completed	50	30	1220

B- Optional courses: The student will study two courses out of these and they are:

Course Name	Course Code	Course Classification	Priorities	Credit Hours	Contact hours	Additional
Databases	WDB	Optional	-	7	45	130

Electronic works	WEC	Optional	-	7	45	130
Distributed Applications	WDA	Optional	WWD	7	45	130
Exploring Data	WDE	Optional	WWD	7	45	130

Article 61- Guiding Study Plan

Semester	Course Name	Code	Course Classification	Priorities
First	Designing Web Applications	WWD	Mandatory	-
	XML technologies	WXL	Mandatory	-
	Computer Networks	WNT	Mandatory	-
	Developing Java Applications	WJD	Mandatory	-
	One of the Optional Courses		Optional	-
Second	Multimedia and Internet	WIM	Mandatory	WNT
	Portable Services	WMS	Mandatory	WJD, WWD
	Web Engineering	WEG	Mandatory	WWD, WXL
	Internet Security	WIS	Mandatory	WNT
	One of the optional courses		Optional	WWD
Third and Fourth	Master's Project (A	WPR	Mandatory	Passing at least 56 credit units

	period of at least one year)			and studying at least 70 credit units

Article 62- Registration on the approved units of the program:

A. The minimum number of units to which the student is entitled to register for in one semester is **21** units.

B. The maximum number of units to which the student is entitled to register for in one semester is **38** units.

C. The number of mandatory units is **56**, the number of optional units is at least **14**, and the number of project units is **50**.

Article 63- To register the dissertation, the student must have previously studied at least **70** accredited units and completed at least **56** units of them

Article 64- Graduation rate: The graduation rate is calculated according to the following equation:

A. Graduation rate = average score of courses* 0.6 + thesis mark × 0.4
B. Average Course Marks = Total (Course Mark× Number of Units Approved for the Course) divided by Total number of units approved for all courses.
C. All mandatory courses and optional courses are included in the calculation of the average.

Article 65- It is required for the student to obtain a Master's degree the following:

A. To succeed in all mandatory courses.

B. To achieve at least **14** accredited unit of the optional courses.

C. To succeed in the thesis.

D. To pay the fees and the financial installments incurred in accordance with the Financial Regulations.

Section IV

General Provisions

Article 67- Students enrolled in grades canceled under the provisions of this Law shall continue to be subject to the provisions applied to them prior to its issuance.

Article 68- In all that is not provided for in this Law, the provisions of Legislative Decree No. **/25/** of 2002 and its amendments, which include the establishment of the University and the regulations in force at the university shall apply.