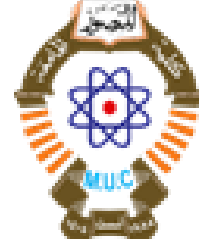


Al-Mansour University College كلية المنصور الجامعة



First Cycle – Bachelor of Sciences Degree (B.Sc.) – Civil Engineering

بكالوريوس علوم – قسم هندسة مدنية



جدول المحتويات Table of Contents

- | | |
|--------------------------------------|--------------------------------------|
| 1. Mission & Vision Statement | بيان المهمة والرؤية |
| 2. Program Specification | مواصفات البرنامج |
| 3. Program (Objectives) Goals | أهداف البرنامج |
| 4. Program Student learning outcomes | مخرجات تعلم الطالب |
| 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**

The mission of the civil engineering department is to provide students with a foundation in mathematical, scientific, and engineering fundamentals essential to analyzing, designing, and maintaining infrastructure such as buildings, roads, bridges, tunnels, airports, ports, sewer system, dams and others. We aim to graduate civil engineers equipped with problem-solving skills and technical knowledge to plan, design, construct and manage human-benefit structures facilities and systems that serve communities and advance standards of living.

The vision of the civil engineering department is to be Accreditation nationally as well as internationally for excellence in civil engineering education in infrastructure development within safety, reliability and efficiency. Our vision is to create ethical leaders committed to advancing civil engineering practices to meet societal needs.

The Department was established in 2011, starting with providing B.Sc. courses.

The Department aims to create graduate students having the following abilities:

- 1- Do engineering design and engineering work on the sites.
- 2- Build upon the graduate spirit of teamwork and communication.
- 3- Build upon the graduate engineering personal leadership and the highest standard possible.
- 4- To be eligible for the function to its competence.
- 5- 5. Agree to expand knowledge of what the graduate knows so as to complete his academic studies. And to accommodate development that is happening in the field of civil engineering.
- 6- Capable of serving his community locally and abroad.

2. **Program Specification**

Programme code:	BSc-Civil	ECTS	240
Duration:	4 levels, 8 Semesters	Method of Attendance:	Full Time

This Program Specification provides a concise summary of the main features of the program and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It is supported by a specification for each course that contributes to the program.

3. **Program Goals**

Based on the missions of Al Mansour University and Civil engineering department, the graduate of the B.Sc. program in Civil Engineering will be able to:

1. use science mathematics, computational thinking and civil engineering ideas such as design Theory experimental techniques and production to solve practical problems associated with design improvements manufacture and maintenance of construction systems
2. practice strong critical thinking innovation and problem solving skills in order to pursue as successful career while demonstrating adherence to the professional codes of conducts and professional accountability
3. use effective communication skills and participate in multi-disciplinary partnership to demonstrate professional progress and leadership and demonstrate an appreciation and use of modern technological capabilities and to Foster collaboration efforts among coworkers and other institutions.

4. work independently and in multi-disciplinary teams to efficiently attain personal and organizational objectives, produce a product or construction that meets a social need and contribute in teaching Persons in the field while maintaining ethical and environmental context of their work
5. engage in lifelong learning and career growth while maintaining professional standards and pursue further educational in the form of graduate and professional studies
6. identify opportunities to contribute to the development of society life from a variety of positions ranging form design and produce modern devices and introducing the cost effective methods in production

4. Student Learning Outcomes

- i) An ability to distinguish, identify, define, formulate, and solve engineering problems by applying principles of engineering, science and mathematics.
- ii) An ability to produce engineering designs that meet desired needs within certain constraints by applying both analysis and synthesis in the design process.
- iii) An ability to create and carry out proper measurement and tests with quality assurance, analyze and interpret results, and utilize engineering judgment to make inferences.
- iv) An ability to skillfully communicate orally with a gathering of people and in writing with various managerial levels.
- v) An ability to perceive ethical and professional responsibilities in engineering cases and make brilliant judgments taking into account the consequences in worldwide financial, ecological and societal considerations.
- vi) An ability to perceive the continual necessity for professional knowledge growth and how to find, assess, assemble and apply it properly.
- vii) An ability to work adequately on teams and to set up objectives, plan activities, meet due dates, and manage risk and uncertainty.

5. Academic Staff

Name: ا.م. د عادل نهير عبد/رئيس القسم
Email: adil.abed@muc.edu.iq
Mobile no.: 07906222028

Name: أ.د. احمد منسي موسى
Email: ahmed.mancy@muc.edu.iq
Mobile no.: 07719389000

Name: م.د مألوف محمود سليم
Email: maloof.mahmood@muc.edu.iq
Mobile no.: 07707905565

Name: م.د امير بدر خضير
Email: ameer.badr@muc.edu.iq
Mobile no.: 07715209073

Name: م.د لبنى عبد الرحمن خضير
Email: lubna.abdulrahman@muc.edu.iq
Mobile no.: 07735937893

Name: م.م مكارم نوري علي
Email: makarim.noori@muc.edu.iq
Mobile no.: 07728886825

Name: م.م احمد سالم عيد ان
Email: ahmed.salim@muc.edu.iq
Mobile no.: 07719380167

Name: م.م فاطمة الزهراء راسم ميسر
Email: fatima.rasim@muc.edu.iq
Mobile no.: 07816898146

6. Credits, Grading and GPA

Credits

Al Mansour 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 25 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:	
<p>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.</p>	

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:

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

7. Curriculum/Modules

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
CIV11001	Workshop Technology	48	27	3.00		
CIV11002	Computer Fundamentals and Programming I	63	12	3.00		
CIV11203	Mathematics I	63	62	5.00		
CIV11104	Engineering Drawing I	78	47	5.00		
MUC11001	Human Rights and Democracy	33	17	2.00		
CIV11205	Physics	63	62	5.00		
CIV11106	Engineering Mechanics I	63	62	5.00		
MUC11002	Arabic Language	33	17	2.00		

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
CIV12201	Chemistry	63	37	4.00		
CIV12102	Mathematics II	63	62	5.00		CIV11203
CIV12103	Computer-Aided Drawing II	63	62	5.00		CIV11104
CIV12204	Geology	63	62	5.00		
CIV12105	Engineering Mechanics II	63	62	5.00		CIV11106
CIV12106	Material Technology	63	37	4.00		
MUC12203	English Language I	33	17	2.00		

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
CIV21001	Computer Fundamentals and Programming II	63	12	3.00		CIV11002
CIV21202	Mathematics III	63	62	5.00		CIV11203
CIV21103	Mechanics of Materials I	63	62	5.00		CIV12105
CIV21104	Concrete Technology	78	47	5.00		
CIV21105	Fluid Mechanics I	63	62	5.00		
MUC21003	Crimes of the Defunct Baath Party	33	17	2.00		
CIV21106	Geomatics I	63	62	5.00		

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
CIV22201	Mathematics IV	63	62	5.00		CIV21202
CIV22102	Engineering Statistics	48	77	5.00		
CIV22103	Building Construction	78	47	5.00		

CIV22104	Mechanics of Materials II	63	62	5.00		CIV21103
CIV22105	Geomatics II	63	37	4.00		CIV21106
CIV22106	Fluid Mechanics II	78	22	4.00		CIV21105
MUC11004	English Language II	33	17	2.00		MUC12203

Semester 5 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
CIV31101	Soil Mechanics I	78	22	4.00		
CIV31102	Engineering and Numerical Analysis	93	57	6.00		CIV22201
CIV31103	Theory of Structures I	63	37	4.00		CIV22104
CIV31104	Reinforced Concrete Design I	63	37	4.00		CIV22104
CIV31105	Sanitary Engineering I	63	37	4.00		
CIV31106	Engineering Management & Economics	33	67	4.00		
CIV31107	Traffic Engineering I	48	52	4.00		

Semester 6 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
CIV32101	Soil Mechanics II	78	47	5.00		CIV31101
MUC32005	Professional Ethics	33	17	2.00		
CIV32102	Theory of Structures II	63	62	5.00		CIV31103
CIV32103	Reinforced Concrete Design II	63	62	5.00		CIV31104
CIV32104	Sanitary Engineering II	78	22	4.00		CIV31105
CIV32105	Hydrology	63	62	5.00		
CIV32106	Environmental Engineering	63	37	4.00		

Semester 7 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
CIV41101	Project I	33	17	2.00		
CIV41102	Elective I	63	37	4.00		
CIV41103	Foundation Engineering I	63	62	5.00		CIV32101
CIV41104	Geometric Design of Highways	63	62	5.00		CIV31107
CIV41105	Steel Design I	63	62	5.00		CIV32102
CIV41106	Reinforced Concrete Design III	63	62	5.00		CIV32103
CIV41107	Hydraulics	63	37	4.00		

Semester 8 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
CIV42101	Project II	33	17	2.00		
CIV42102	Elective II	63	62	5.00		
CIV42103	Foundation Engineering II	63	62	5.00		CIV41103
CIV42104	Pavement Engineering	63	37	4.00		CIV41104
CIV42105	Steel Design II	63	62	5.00		CIV41105
CIV42106	Reinforced Concrete Design IV	63	62	5.00		CIV41106
CIV42107	Construction Methods & Estimation	63	37	4.00		

8. Contact

Program Manager: ا.م. د عادل نهير عبد/رئيس القسم

Email: adil.abed@muc.edu.iq

Mobile no.: 07906222028

Program Coordinator: م.د لىنى عبد الرحمن خضير

Email: lubna.abdulrahman@muc.edu.iq

Mobile no.: 07735937893