

Ministry of Higher Education & Scientific Research

University of Information Technology and Communications

College of Engineering

Department of Media Technology and communications

ABET

Self-Assessment Report

B.Sc. in Media Technology and Communications

Program at the Department of Media Technology and communications

College of Engineering

University of Information Technology and Communications

Baghdad, IRAQ
October, 2023

E-mail: do.eng@uoitc.edu.iq

Website: https://uoitc.edu.iq/mtce_department/

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Foreword from the Dean of the College of Engineering

With the tremendous development of information and communications technologies in our modern era, concerns have begun to emerge about the disappearance of some traditional jobs from the labor market and the creation of new jobs that are more innovative, inclusive and universal. From this standpoint, the Presidency of the University of Information Technology and Communications (UOITC) has sought to pay attention to the modern competencies that meet the requirements of the labor market.

The Faculty of Engineering at UOITC was established in 2017 to include two scientific departments: Mobile Communications and Computing Department and Media Technology Engineering Department. In its first academic year 2017-2018, the College received about 50 students for the first stage in both departments. At the beginning of the academic year 2018-2019, the turnout on these new departments has increased to about 70 students and we expect the number to increase in the coming years.

The Faculty of Engineering at UOITC is distinguished from the rest of the faculties in the Iraqi universities with the precise and rare engineering disciplines that accompany technological progress in the field of information and communication. In addition, the College looks forward to the graduation of talented and innovative engineering cadres required in the labor market with self-motivation and ethical professional values to enable them to research and develop and keep abreast of the technology of the age in order to serve the community.

In order to achieve this vision, the Deanship of the College of Engineering places its highest priority on proper planning and readiness through intensive efforts to obtain academic recognition of its programs from the Accreditation Board for Engineering and Technology (ABET).

Prof. Dr. Mouayad Abdulredha Sahib

Dean of Engineering College

Writing the self-report is an important step towards achieving the national and international accreditation standards for the program through the four main rules that have been approved by the National Council for Improving the Quality of Technical Engineering Education, namely: the educational objectives of the program, student outcomes, assessment and evaluation, which were based on international standards approved by the academic accreditation for engineering. Accreditation Board for Engineering and Technology ABET: As well as the International Engineering Association IEA.

1- BACKGROUND INFORMATION

1-1 Contact Information

Assist. Prof. Dr. Mohammed Maher Rasheed

mohammad.rasheed@uoitc.edu.iq

Cell : 07704267250

Iraq, Baghdad / Al-Mansour / Unions Street.

1-2 Program History

This is the initial accreditation for this program.

The Faculty of Engineering was established at the University of Information and Communication Technology in 2017 and began its scientific career in the academic year 2017-2018 to receive the first batch of middle school students within the central admission plan. The first class graduated from the college in the academic year 2020-2021. The College of Engineering includes two scientific departments:

- ***Media Technology and Communications Engineering (MTCE).***
- ***Mobile Communications and Computing Engineering (MCCE).***

• Media Technology and Communications Engineering (MTCE):-

The Department of Media Technology and Communications Engineering (MTCE) was established in 2017 (as one of the two departments of the College of Engineering / University of Information and Communication Technology) due to the growing market need amid the continuous modernization using media of technology requires specialized engineering cadres who have sufficient skills to deal with the advanced and

modern equipment used in radio and television production. Where the department's message and objectives emphasized the main important points, and they were summarized as follows:

1-3 Options

The program has one major, Media Technology and Communications Engineering.

- Duration of study for preliminary studies to obtain a bachelor's degree: Four years.
- Study type: semester system.
- The administrative organization of the department.
    1- The Deanship.
    2- Heading the department.
    3- The decision of the department.
    4- Lecturer.
    5- Teaching assistants.
    6- Secretary of the department.

1-4 Program Delivery Modes

The program follows regulations of the ministry of Higher Education and Scientific Research regarding the classes starting and ending times. Regular Classes for Morning studies start at 8:00 AM (Baghdad local Time) and conclude at 2:30 PM.. Program includes regular classes and laboratories. The program did not offer online classes.

Please note that the application of partially or fully online classes was due to COVID-19 pandemic which affected the class schedule during evaluation year 2020-2021.

The academic system in the department is a four-year semester system with 160 academic units distributed over all academic levels and for morning and evening studies.

1-5 Program Locations

Main campus of the University of Information Technology and Communications / College of Engineering is the main program location.

The department's educational program is implemented in the classrooms and laboratories located in the main building of the College of Engineering. The most important characteristic of the department is the presence of modern laboratories such as the Electricity laboratory, computer laboratory, networking laboratory, Virtual Reality Lab , Voice Lab and Video Lab .These laboratories contain modern equipment through which the student will be trained on the labor market during the period of his studies by linking the theoretical information that the student learns with the practical side through the laboratories and coexistence courses offered by the department on a number of satellite channels.

1-6 Public Disclosure

All information about the program is publically available and accessible through:

https://uoitc.edu.iq/single-standard_eng.php?art_id=1682 .

Objectives of the educational program

Transferring knowledge to the student in a sober academic manner that enables him to find appropriate solutions to problems through analyzing them, collecting data, and defining requirements.

- Providing the Maida sector with qualified engineers to compete in the local and global labor market.
- Designing and conducting experiments, research and scientific studies, and activating the principle of teamwork.
- Keeping pace with the updating of school curricula to ensure the quality of education and scientific sobriety.
- Providing continuing education opportunities to develop cadres and pursue postgraduate studies.
- Enhancing cooperation with educational and research institutions at home and abroad.
- Providing engineering consulting services to government institutions and the private sector.

2-Students

2-1 Student Admissions

Newly admitted students have to graduate from an accredited high school (inside Iraq, or from outside Iraq after appropriate degree recognition). All students have to score at least (78% from Biological branch, and 73.5% from Scientific branch) as an overall average in high school to be admitted to the program. Several admission channels are available. All related admissions conditions and policies are published by the ministry of Higher Education and Scientific Research every year. The guide for the academic year 2022-2023 is published online through the ministry website and also distributed to all universities through official mail.

Minimum admissions for 2022 at the University of Information and Communication Technology

معدلات جامعة تكنولوجيا المعلومات والاتصالات ولكافة الاقسام

1151	جامعة تكنولوجيا المعلومات والاتصالات/كلية الهندسة/قسم الاتصالات والحوسبة المتنقلة	87.83	250	احيائي	مختلط
1152	جامعة تكنولوجيا المعلومات والاتصالات/كلية الهندسة/قسم الاتصالات والحوسبة المتنقلة	80.50	222	تطبيقي	مختلط
1153	جامعة تكنولوجيا المعلومات والاتصالات/كلية الهندسة/قسم تكنولوجيا الاعلام	78.00	228	احيائي	مختلط
1154	جامعة تكنولوجيا المعلومات والاتصالات/كلية الهندسة/قسم تكنولوجيا الاعلام	73.50	198	تطبيقي	مختلط
1155	جامعة تكنولوجيا المعلومات والاتصالات/كلية المعلوماتية الطبية الحيوية	88.00	260	احيائي	مختلط
1156	جامعة تكنولوجيا المعلومات والاتصالات/كلية المعلوماتية الطبية الحيوية	73.17	228	تطبيقي	مختلط
1157	جامعة تكنولوجيا المعلومات والاتصالات/كلية معلوماتية الاعمال	67.00	191	احيائي	مختلط
1158	جامعة تكنولوجيا المعلومات والاتصالات/كلية معلوماتية الاعمال	66.83	177	تطبيقي	مختلط

معدلات القبول في جامعة تكنولوجيا المعلومات والاتصالات للعام 2022 الحدود الدنيا

The student is admitted to colleges based on central admission, where students are distributed based on the grades of the baccalaureate preparatory stage, and the student is registered in the college by Student Affairs, which has a guide to student affairs procedures and admission controls. Where the student is registered in the college after completing all the requirements of the college.

A condition for a student who is accepted into universities to be:

1. Iraqi nationality.
2. Holder of an Iraqi preparatory school certificate supported by certification from the General Directorate of Education in the governorate, or an equivalent certificate.

3. That the student be born as determined by the Ministry.

4. Passed the medical examination according to the special conditions of each study.

5. Full-time for study, and it is not permissible to combine work and study (at the same time) in colleges and institutes.

6. This includes employees of all governmental institutions, and it is required that they continue their studies according to the instructions.

2-2 Evaluating Student Performance

Measuring student performance usually takes the form of summative assessments like standardized tests, exams, or a Final examination assessment. However, you can also monitor performance data on a micro-scale by using aligned formative assessments, such as performance tasks or weekly quizzes, to gauge student skill.

• Required program outcomes and methods of teaching, learning and assessment.

Classes, and labs, include regular paper tests and quizzes to evaluate student performance through his/her curriculum. COVID-19 pandemic affect the number of paper tests which are replaced mostly by online tests and quizzes.

Since students in a specific semester have to pass previous semester to study in it, prerequisites classes are always studied in their correct order.

(a) Knowledge and understanding

1. The ability to apply knowledge in the fields of mathematics and specialized engineering sciences in the field of Media Technology and communications.

2. The ability to solve problems by designing appropriate algorithms.

3. Developing skills and capabilities by following the correct procedures and contexts.

4. Preparing the student to continue self-learning and acquire new techniques and skills in engineering fields.

(b) Subject-specific skills

1. The college seeks to graduate the best engineering competencies with high skills that have the ability to keep pace with scientific development in the field of communications engineering and information technology.
2. Effective contribution to bridging the gap between educational outcomes and labor market requirements.
3. Enhancing the student's personality by instilling moral and humanitarian values and the national spirit.
4. Keeping pace with technological development in various scientific and industrial fields such as satellites, communications networks, information technology...etc.

Methods of teaching and learning

• Studying the theoretical and practical academic program for specialization courses.

• The theoretical program is taught using the white board or the digital display (Data Show) connected to the personal computer, with discussing scientific ideas and vocabulary with the students.

The practical program of the specialization lessons is conducted by conducting laboratory or field experiments, collecting measurements by small groups of students, analyzing, discussing and presenting the measurements.

Evaluation modalities

• Preparing classroom and homework assignments.

• Preparing reports on practical experiments.

• Preparing reports on small projects and presenting them to students.

• Daily and monthly exams.

• Final exams.

(C) - thinking skills

1- The ability to choose appropriate methods in analyzing and completing activities in the field of communications engineering and Media Technology.

2- Eliciting good ideas for projects and designs and checking them.

The ability to give correct and scientific solutions to various problems.

Methods of teaching and learning

• Adopting international scientific methods in the preparation of theoretical and scientific curricula.

Adopting specialized knowledge diversity in preparing curricula vocabulary to include real issues and problems that motivate students to express their opinions and proposed solutions, and to choose the best method to address problems and challenges.

Evaluation modalities

- Adopting exam questions of a diverse nature to include various issues in the evaluation and finding solutions to the challenges that enable the student to choose the best method for the solution.
- Preparing reports and studies on real problems and how to benefit from global solutions and experiences.
- Organizing visits to various institutions and centers for the purpose of viewing and benefiting from ideas and applied experiences.

(D) - General and transferable skills (other skills related to employability and personal development).

1- The ability to work effectively in a team to accomplish a specific task.

2- Understanding what is related to the professional specialization in terms of ethics, laws, safety procedures, and social concerns.

3- The ability to present, discuss and defend ideas in the correct administrative and scientific manner.

4- The ability to communicate effectively with a group of listeners.

5- The ability to actively participate and plan projects.

6- The ability to master other languages at the level that guarantees and achieves the development of work and improving its quality.

Methods of teaching and learning

• Participation in qualifying courses to know the art of management and how to work according to official contexts.

• Students practice working in teams during the performance of the practical program of lessons.

Encouraging students to participate in seminars and workshops to qualify them to gain the necessary experience to speak and present their ideas to the audience.

Evaluation modalities

- The various events and activities for students through which the extent of understanding, care and discipline shown by students is inferred.
- Evaluation through seminars and seminars, during which the student's awareness of his moral and scientific responsibility is assessed.
- Evaluation through the annual project, in addition to the summer activities for the specialization courses that contribute to evaluating the student's performance and his intellectual ability in proposition, analysis and implementation.

2-3 Transfer Students and Transfer Courses

General conditions for transfer according to (guide to student affairs procedures and admission controls):

1. Successful students have the right to transfer to (colleges / institutes) and corresponding departments and branches after obtaining the approval of the original (college / institute) to which they want to transfer and according to the capacity.
2. Students have the right to transfer between the universities of the same governorate or corresponding colleges within the same university.
3. The procedures for the issuance of the graduation document for middle school from the college to which the student is transferred are verified in case it has not been completed by the college from which the student is transferred until the date of his transfer.

4. The student who is accepted within the central admission in the same year is allowed to move from the morning study to the corresponding evening study and in the corresponding section. For other classes, it is allowed to move to the corresponding section according to the capacity.
5. The transfer procedures start exclusively from the original college, and the no-objection letters are addressed to the corresponding college, provided that the academic subjects that the student passed and the number of study units are attached to the application and a letter of no-objection.
6. The work of the Scientific Clearing Committees shall be settled no later than the first week of September, taking into account the provisions of Item (J-4) of Chapter Ten.
7. The student transfer order is issued from his original college after the issuance of a letter of no objection to the transfer from the college to which he is transferring, and the student may not be registered in the college to which he is to be transferred except after the issuance of the transfer order and his separation from his original college
8. The student must complete the registration procedures in the college/institute to which he is transferred within a period of one week from the issuance of the transfer order from his original college, otherwise he is considered to have failed his class.
9. The original college sends the file of the student transferred from it to the college to which it is transferred and in the hands of the authorized official mail within a period not exceeding two weeks from the issuance of the transfer order, otherwise the college bears the responsibility for the default.
10. Scientific clearing is carried out in accordance with the general rules for scientific clearing mentioned in item (J-4) of Chapter Ten.
11. The Student Affairs Department at the two universities is in charge of checking the safety of transportation procedures in accordance with the controls.

2-4 Advising and Career Guidance

Ministry-mandated articulation requirements for student transfer are met. For this program and for the review year, no transfer student has been admitted to the program.

The program offers academic and personal mentoring for students in all grades. Several extracurricular event are also have been held. COVID-19 pandemic affected the number of such events during the academic year.

Tasks and duties of the Student Affairs and Attestation Department

The college has a student affairs unit whose mission is as follows:

- At the beginning of the year, you register students and complete their transactions.
- Over the days, you complete the student identity card.
- Follow up on the application of exam instructions, controls, decisions, and directives issued by the Ministry and the University regarding student affairs / preliminary studies.
- Implementation of orders and directives issued by the Ministry and the Presidency of the University in the field of student affairs and graduates of preliminary studies.
- Answering official correspondence received from the department (ministry, attachés, university presidency, colleges, departments, ministries, governmental and non-governmental institutions, etc.).
- Unifying the admission plans received from the colleges, presenting the studies regarding them, and submitting them to the University Council.
- Check admission, transfer and hosting in coordination with the registration departments in the colleges.
- Issuing orders for students' admission, transportation and hosting.
- Coordinating with colleges and other relevant authorities to check the validity of the issuance of documents of accepted students and university graduates based on the correspondence of the beneficiary authorities.
- Inform the Ministry / Department of Studies, Planning and Follow-up of cases of forgery in academic and university documents that were discovered by the colleges.

- Issuing university orders for graduation for the morning studies and for the two courses in light of the administrative orders issued by the colleges.
- Carrying out field visits to the registration departments in the colleges in order to achieve direct interaction, to see the reality of the work, and to help overcome problems, if any.
- Holding meetings and workshops for assistant deans, directors of registration and examination committees in order to improve performance.
- Suggesting activities and training programs for the development of registration staff and examination committees in colleges, as well as implementing them if the possibility is available.
- Preparing studies and proposals regarding the performance of the registration people and examination committees in accordance with the examination instructions, controls, and directives of the university presidency.
- Supervising the application process for evening studies in the colleges of the university and following up on that and announcing their acceptance and distribution to the colleges and departments after obtaining the original approvals.
- Participation in auditing and investigation committees related to student affairs.
- Developing the capabilities of employees, especially those proposed by the university or department, through the participation of the department's employees in training and development courses, and attending official meetings of the department and the university.
- Authentication of documents of graduates of university faculties for primary and higher studies, as well as attestation of professors' service summary.
- Sending lists of the names of graduates of the university's faculties to the website of the University of Baghdad for the purpose of publishing them in the light of the faculties' data.

- Using electronic programs at work, including achieving electronic archiving of mail and using e-mail for correspondence with institutions inside and outside Iraq.
- Receiving students or their families, listening to their academic problems and working to solve them according to instructions, controls and directives.

2-5 Work in Lieu of Courses

The college of Engineering/ **Department of Media Technology and communications** does not allow credit towards any degree based on work or life experience.

There are no new or added options or tracks for the preliminary studies of the **Department of Media Technology and communications**

2-6 Graduation Requirements

Graduates are required to successfully pass all classes in all grades to graduate. In the third year, all students are required to successfully complete summer practical training in accredited governmental facilities and also in private sector communications companies.

Students are required to successfully complete four years in all subjects (160 credits), including semesters per year, summer courses, and one graduation project, and those who fail any of these semesters are required to retake. To graduate from our program, the number of failed classes over the entire period of study cannot exceed two, and a cumulative grade point score in each course must be achieved of 50% or higher.

Areas of work of college graduates

Graduates of the Media Technology Engineering Department are prepared to compete in the local and global digital job market and are highly skilled in the field of media engineering. In media institutions and satellite channels (private/public).

Study plan for the Department of Media Technology and Communications

System type: semester system
for the period from 2022 to 2023

(TH): Theoretical
(P) : Practical
(T) :Tutorial
(U) :Unit

The First Stage
First Semester (11)

#	Subject	TH	T	P	U	Code
1	Mathematics I	3	1	-	3	MAT1101
2	Digital System Design I	2	1	3	3	DSD1102
3	Electrical Circuits Analysis I	2	1	3	3	ECT1103
4	Computer Programming (C++) I	2	1	2	3	CPR1104
5	English Language I	2	-	-	2	ENG1105
6	Engineering Drawing	-		3	1	EDR1106
7	Human Rights	1		-	1	HRS1107
8	Arabic Language	2		-	2	ARL1108
	Total	**14**	**4**	**11**	**18**	

The First Stage
Second Semester (12)

#	Subject	TH	T	P	U	Code
1	Mathematics II	3	1	-	3	MAT1201
2	Digital System Design II	2	1	3	3	DSD1202
3	Electrical Circuits Analysis II	2	1	3	3	ECT1203
4	Computer Programming (C++) II	2	1	2	3	CPR1204
5	English Language II	2		-	2	ENL1205
6	Sound and Audio Technology	2	1	2	3	SAT1206
7	Computer Fundamentals	2	-	-	2	COF1207

8	Freedom and Democracy	1		-	1	ARL1208
	Total	**14**	**4**	**10**	**18**	

The Second stage
First Semester (21)

#	Subject	TH	T	P	U	Code
1	Computer Networks	3	-	2	4	CPR2101
2	Engineering Mathematics I	3	1	-	3	EMT2102
3	Electronics I	2	-	3	3	ELC2103
4	Film and Video Technology I	2	-	2	3	FVT2104
5	Microprocessors	2	1	2	3	MPS2105
6	Object Oriented Programming I	2	-	2	3	OOP2106
7	Electromagnetic Fields	2	1	-	2	EMF2107
8	English Language II	2	-	-	2	ENG2108
	Total	**18**	**3**	**11**	**23**	

The Second stage
Second semester (22)

#	Subject	TH	T	P	U	Code
1	Communication Fundamentals	3	1	2	4	CMF2201
2	Engineering Mathematics II	3	1	-	3	EMT2202
3	Electronics II	2	-	3	3	ELC2203
4	Film and Video Technology II	2	1	2	3	FTV2204
5	Object Oriented Programming II	2	-	2	3	OOP2205
6	Media laws and Ethics	2	-	-	2	MLE2206
7	Statistic and Probability	2	-	-	2	STP2207
	Total	**16**	**3**	**9**	**20**	

The Third stage
First Semester (31)

#	Subject	TH	T	P	U	Code
1	Antenna and Wave Propagation	2	1	2	3	AWP3101
2	Embedded System I	2	-	2	3	EMB3102
3	Virtual Reality	2	-	2	3	VRR3103
4	Information Theory and Coding	2	-	2	3	ITC3104
5	Web Engineering	2	1	2	3	WEG3105
6	Digital Signal Processing	2	-	-	2	DSP3106
7	English Language III	2	-	-	2	ENG3107
8	Computer Control (Elective Topic I)	2	1	2	3	CCT3108
	Total	**16**	**3**	**12**	**22**	

The Third stage
Second semester (32)

#	Subject	TH	T	P	U	Code
1	Computer Networks Protocols	3	-	2	4	CNP3201
2	Digital Communications	3	1	2	4	DCM3202
3	Digital Image Processing	2	-	2	3	DIP3203
4	Embedded System II	2	-	2	3	EMB3204
5	Montage and Digital Effects	2	-	2	3	MDE3205
6	Human Computer Interaction (Elective Topic II)	2	-	2	3	HCI3206
7	Multimedia System	2	1	-	2	MMS3207
	Total	**16**	**2**	**12**	**22**	

The Fourth stage
First Semester (41)

#	Subject	TH	T	P	U	Code
1	Satellite Communications	3	-	2	4	SCM4101
2	Communications Wireless and Mobile	2	1	2	3	WMC4102
3	Project Management I	2	-	2	3	PMT4103
4	Computer Network Administration	2	1	3	3	CNA4104
5	Data Mining (Elective Topic III)	2	-	-	4	DAM4105
6	English IV	2	-	-	2	ENG4106
7	Graduation Project I	1	-	2	2	GPR4107
	Total	**14**	**2**	**11**	**21**	

The Fourth stage
Second Semester (42)

#	Subject	TH	T	P	U	Code
1	Graduation Project II	1	1	2	2	PRJ4201
2	Broadcast System Engineering	3	1	2	4	BSE4202
3	Project Management II	2	-	2	3	PMT4203
4	SNG Satellite News Gathering	2	1	3	3	SNG4204
5	Social Media Technology	2	-	2	3	SMT4205
6	Information Security (Elective Topic VI)	2	-	2	3	IST4206
	Total	**12**	**3**	**13**	**17**	

(Elective Topics)

	Subject	Th	P	T	Units	Year
1-	Audio and Video Technology	2	2	-	3	3rd
2-	Computer Vision	2	2	-	3	3rd
3-	Studio Engineering Technique	2	2	-	3	3rd
4-	Media Management	2	-	-	3	4th

5-	Media Technology	2	-	-	3	4th
7-	Internet of Things (IoT)	2	-	-	3	4th
8-	Interactive Television and Broadband Wireless Networks	2	2	-	3	4th
9-	Mobile Broadcasting System	2	-	-	3	4th

Details Number of items No. of units	Details Number of items No. of units
56	Total curriculum
92	Total Engineering Materials
12	Optional materials
160	Total number of hours for four years

2-7 Transcripts of Recent Graduates

The transcript states the degree awarded is a Bachelor of Science, and the major is of Media Technology and Communications.

3- PROGRAM EDUCATIONAL OBJECTIVES

Vision, mission, and goals

The great development in the field of media technology requires specialized engineering cadres who have sufficient skills to deal with advanced and modern equipment used in radio and television production, broadcasting via satellite and the Internet, communications of all kinds, converting data from analogue broadcasting to digital media, connecting networks, production Media materials, video, animation and graphics.

The duration of study in the department is four years after the preparatory stage, the scientific branch (biology / applied). The study system in the department is quarterly, with two semesters per academic year. The student is granted a bachelor's degree in

media technology engineering after successfully completing (160) one hundred and fifty semester units.

3.1 A. Mission Statement

The vision

The Department of Information and Communications Technology Engineering should be a leader at the local and global levels in the field of knowledge transfer, application, development of scientific research, and innovation of technological solutions to create a better world.

Department message

Graduating skilled and innovative engineering cadres required in the labor market with unique and rare skills, self-motivation and ethical professional values that enable them to research and develop and keep pace with modern technology and be the focus of attention of those interested in serving the community.

The graduation of skilled and innovative engineering staff required in the labor market with self-motivation and ethical professional values that enable them to research and develop and keep pace with the technology in order to serve the community.

The following objectives can be found on the online website of the department at:

https://uoitc.edu.iq/single-standard_eng.php?art_id=1682

Goals

The objectives of the department are summarized in focusing on three important axes (knowledge, skills, and behavior), and from them the following educational objectives were identified:

- Transferring knowledge to the student in a solid academic manner that enables him to find appropriate solutions to problems through analyzing them, collecting data, and defining requirements.

- Providing the communications and media sector with qualified engineers to compete in the local and global labor market.
- Meeting the market need for numbers of engineers specialized in the field of media technology engineering who are able to compete in the labor market.
- Empowering students with a variety of engineering skills in the field of media technology through innovative programs that integrate theoretical and practical experience
- Producing ethically responsible individuals who are highly competent in their fields of specialization and work effectively within the work team.
- Graduating an engineer capable of designing, analyzing, and contributing to basic and applied research in the fields of engineering sciences related to media technology in a way that enables him to develop and find scientific solutions to the problems faced by the state's sectors and its various institutions in this field.

The outputs of the educational program of the department

With the student completing his studies within the department's program, he will be able to:

-The college seeks to graduate the best engineering competencies with high skills that have the ability to keep pace with scientific development in the field of communications engineering and information technology.
- Effective contribution to bridging the gap between educational outcomes and labor market requirements.
- Enhancing the student's personality by instilling moral and humanitarian values and the national spirit.
- Keeping pace with technological development in various scientific and industrial fields such as satellites, communications networks, information technology...etc.

3.2 B. Program Educational Objectives

The objectives of the department are summarized in focusing on three important axes (knowledge, skills, and behavior), and from them the following educational objectives were identified:

1. Ensure that the graduate student possesses the skills and knowledge required to Media Technology.
2. The graduated student should be able to adapt to different work environments and deal with them positively.
3. The student should be able to integrate academic knowledge with field practice in order to develop his skills.
4. The student should be able to continue developing his information and skills for life and benefit from everything new in the field of specialization.

3.3 C. Consistency of the Program Educational Objectives with the Mission of the Institution

"Our goal is to prepare students to compete by developing their intellectual processes. We teach our students to effectively think, communicate, and analyze within a global context."

With the student completing his studies within the department's programme, he will be able to:

- Transferring knowledge to the student in a solid academic manner that enables him to find appropriate solutions to problems through analyzing them, collecting data, and defining requirements.
- Providing the communications and media sector with qualified engineers to compete in the local and global labor market.

- Meeting the market need for numbers of engineers specialized in the field of media technology engineering who are able to compete in the labor market.
- Empowering students with a variety of engineering skills in the field of media technology through innovative programs that integrate theoretical and practical experience
- Producing ethically responsible individuals who are highly competent in their fields of specialization and work effectively within the work team.
- Graduating an engineer capable of designing, analyzing, and contributing to basic and applied research in the fields of engineering sciences related to media technology in a way that enables him to develop and find scientific solutions to the problems faced by the state's sectors and its various institutions in this field.

3.4 D. Program Constituencies

The administrative organization of the department.

1- The Deanship.
2- Heading the department.
3- The decision of the department.
4- Lecturer.
5- Teaching assistants.
6- Secretary of the department.
7- Students.

3.5 E. Process for Review of the Program Educational Objectives

The process of reviewing the educational goals takes place through the department council as well as the committees composed in the department of the professors of the concerned department. Then there are units and divisions in which the educational goals of the program are reviewed, then the college, then the university and the ministry, as the ministry constantly sends supervision committees to ensure that the educational program continues without problems.

4- STUDENT OUTCOMES

4.1 A. Student Outcomes

Graduates of the Media Technology Engineering Department are prepared to compete in the local and global digital job market and are highly skilled in the field of media engineering. In media institutions and satellite channels (private/public).

The outputs of the educational program of the department

With the student completing his studies within the department's program, he will be able to:

- The college seeks to graduate the best engineering competencies with high skills that have the ability to keep pace with scientific development in the field of communications engineering and information technology.
- Effective contribution to bridging the gap between educational outcomes and labor market requirements.
- Enhancing the student's personality by instilling moral and humanitarian values and the national spirit.
- Keeping pace with technological development in various scientific and industrial fields such as satellites, communications networks, information technology...etc.

4.2 B. Publication of Student Outcomes

1. Ensure that the graduate student possesses the skills and knowledge required to Media Technology.
2. The graduated student should be able to adapt to different work environments and deal with them positively.
3. The student should be able to integrate academic knowledge with field practice in order to develop his skills.

4- The graduate student should be able to adapt to different work environments through affirmative action within multidisciplinary teams.

5- The student should be able to integrate academic knowledge with field practice in order to develop the engineering profession.

6- The student should be able to continue to develop his knowledge and skills for life and to benefit from every new in the field of competence.

5-CONTINUOUS IMPROVEMENT

This program has graduate students during the year of the review 2022-2023.

5.1 A. Student Outcomes

Graduates of the department can work in one of the following fields of work:

- Broadcast and sound engineer technician
- Film and video editor or camera operator
- Public relations specialist
- Communications specialist
- Radio planning for wireless and mobile networks
- RF Planning
- Design and development of applications and software for tablets and websites.

The outputs of the educational program of the department. With the student completing his studies within the department's program, he will be able to:

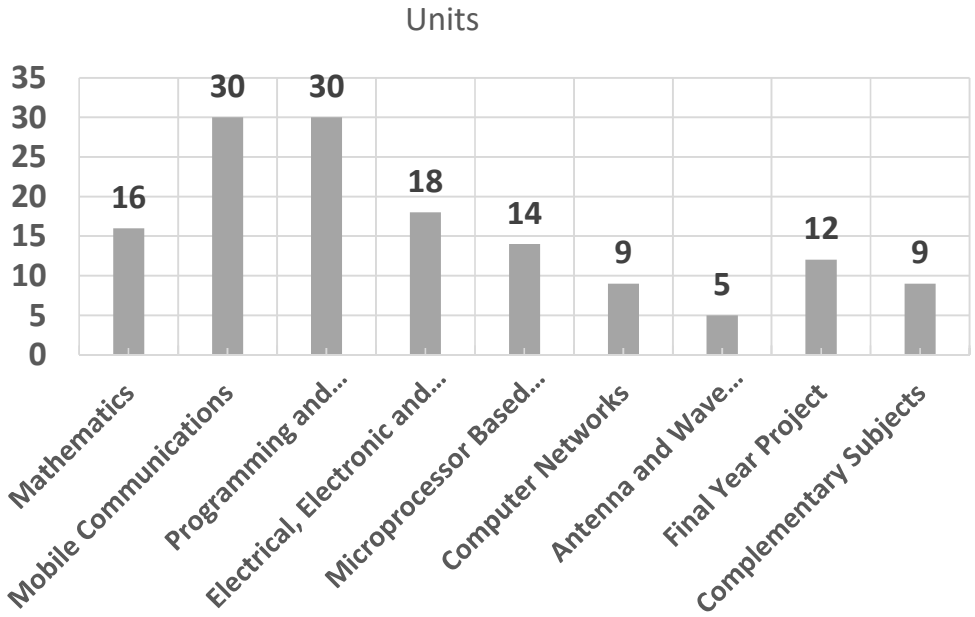
- Evaluate current and emerging scholarship in communications, media studies and social media
- Design and implement studies that put communication theory in to practice in professional settings
- Weigh contemporary ethical issues in communication and social media
- Produce communication strategies through the application of research methods into communication practices in various settings
- Investigate media through the application of contemporary interpretive methods.

Structure of the program

- The first and second year in this section provides students with a strong practical and theoretical foundation in programming languages, object programming, digital and analog electronics, electrical science, basic mathematics and

engineering. In addition, students will be scientifically prepared to specialize in communications engineering and mobile computing.

- In the third year, the student will be able to attend many specialized subjects in the field of advanced media communications, networking and software engineering for the development of media applications.
- In the final year, in addition to the study of advanced specialist subjects, students will implement an important group engineering project aimed at solving the real world problem in the field of media communication or computerization of media devices. The project includes advanced design, experience in implementation and confidence-building through the application of the skills and techniques acquired during the course of its study.
- The summer training aims at enhancing and developing student's ideas for the academic subjects that is studied in the academic years, which is, consider one of the requirements for graduation.
- It also includes applying the practical skills related to the student's specialization in a realistic way and in a real work environment.
- It is noteworthy that the faculty has cooperated with health institutions to arrange and organize the summer training for the students, with the participation of a group of its professors.
- The curriculum consists of 160 quarterly units taught by the student in (4) four years of study and two semesters per year. These modules are divided into 9 main areas of specialization in Media and Communication engineering, which were distributed in eight semesters sequentially with the progress of the study stages. Figures 1 and 2 below show the share of each module and its distribution within the four years.



Year 1		Year 2		Year 3		Year 4	
1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.
Mathematics							
MAT1101	MAT1201	EMT2102	EMT2202 STP2207	14 Units			
Electrical, Electronic and Digital Circuits							
DSD1102 ECT1103	DSD1202 ECT1203	ELE2103	ELE2203	CCT3108		21 Units	
Programming and Media Technology							
CPR1104 COF1207	CPR1104 SAT1206	OOP2106 FVT2104	OOP2206 FVT2204	WEG3105 VRR3103	DIP3203 MMS3207 MDE3205	SMT4205	40 Units
Microprocessor Based Systems							
		MPS2105		EMB3102	EMB3204	9 Units	
Communications							
24 Units			CMF2201	DSP3106	DCM3202	SCM4101 WMC4102	BSE4202 SNG4204
Computer Networks							

11 Units			**CPR2101**		**CNP3201**	**CNA4104**	
Antenna and Wave Propagation							
5 Units		**EMF2107**	**AWP3101**				
Final Year Project							
10 Units						**PRJ4101** **PMT4103**	**PRJ4201** **PMT4203**
Complementary Subjects							
8 Units					**HCI3206**	**DAM4105**	**IST4206**

6- CURRICULUM

6.1 A. Program Curriculum

Several tables describe the plan of study for this program. Table below Curriculum describes the plan of study for students in this program. This plan includes information on course offerings in the form of a recommended schedule by year.

Field Supervisor Evaluation (60% of the grade)

• The supervisor completes an evaluation of the student, including how prepared for this experience the student was in terms of (a) overall academic training, (b) preparation in academic major, (c) basic written/verbal skills, and (d) maturity.

• The student is also evaluated on (a) professional attitude, (b) relations with others, (c) ability to learn, (d) initiative, (e) quality of work, (f) quantity of work, (g) attendance, (h) punctuality, and (i) overall performance.

Internship Report and Daily Task Log (40% of the grade)

• The students reflect on what they learned, their participation in teamwork, and their recognition of any ethical dilemmas. Their overall reflection should detail positive and negative observations and how the internship experience will help in their career.

• A task log indicates the number of hours worked each week and the tasks performed. The supervisor signs off on the weekly task log.

6.2 B. Course Syllabi

Curriculum for the four-year program is shown in Table I.

Academic schedule for the year 2022-2023

College of Engineering /Department of Media and Communications Technology
Engineering / Fourth stage / first semester / 2022-2023

TIME	8:30 - 9:30	9:30 - 10:30	10:30 - 11:30	11:30 - 12:30	12:30 - 13:30	13:30 - 14:30
Sunday	Wireless and mobile communications نظري		Wireless and mobile communications عملي		Wireless and mobile communicationsعملي	
	م.د□ياسة□حمد علي		م.د□ياسة□حمد علي		م.د□ياسة□حمد علي	
	قاعة 1		Lab 7 – G1		Lab 7 – G1	
			Project Management عملي		Project Management عملي	
			م. عزة حازم زكي +□هندسة فاطمة اسعد		م. عزة حازم زكي +□هندسة فاطمة اسعد	
			قاعة 1 – G2		قاعة 1 – G1	
Monday	Satellite Communications نظري		Satellite Communicationsعملي			
	م.م. نور□حمد خليل		م.م. نور□حمد خليل			
	قاعة 1		قاعة 1 – G1 & G2			
Tuesday	Graduation Project I					
Wednesday	Data Mining نظري		Data Mining عملي			
	م.م اثير□عروف□حمود		م.م اثير□عروف□حمود + م.د. سعد احمد ذياب			
	قاعة 1		قاعة 1 – G1 & G2			
Thursday	Project Management نظري		SNG Satellite News Gathering نظري		SNG Satellite News Gathering علمي	
	م. عزة حازم زكي		م.م مصطفى مرتضى مجيد		م.م مصطفى مرتضى مجيد	
	قاعة 1		Lab 4		Lab 4	

College of Engineering / Department of Media and Communications Technology Engineering / Third stage / first semester / 2022-2023

TIME	8:30 - 9:30	9:30 - 10:30	10:30 - 11:30	11:30 - 12:30	12:30 - 13:30	13:30 - 14:30
Sunday	Embedded System I		Embedded System I عملي			
	م.م حسين حمد رضا		م.م حسين حمد رضا			
	قاعة 3		Lab - 3 قاعة			
Monday	Virtual Reality		Virtual Reality		Virtual Reality	
	م.م علي سلام رشيد		م.م علي سلام رشيد		م.م علي سلام رشيد	
	قاعة 3		VR Lab – G2		VR Lab – G2	
Tuesday	Web Engineering		Web Engineering		Web Engineering	
	م.م. ياسر ضياء حسين		م.م. ياسر ضياء حسين		م.م. ياسر ضياء حسين	
	قاعة 3		Lab 4 –G1		Lab 4 –G2	
			Information Theory and Coding		Information Theory and Coding	
			م. د. علي نجدي عبدالله		م. د. علي نجدي عبدالله	
			Lab 5 – G2		Lab 5 – G1	
Wednesday	Digital Signal Processing		Antenna and Wave Propagation		Antenna and Wave Propagation	
	م.م. عادل حيدر لازم		م.م. عادل حيدر لازم		م.م. عادل حيدر لازم	
	قاعة 3		Lab 4 – G1		Lab 4 – G2	
Thursday	Antenna and Wave Propagation		Information Theory and Coding		Multimedia System	
	م.م.مصطفى رتضى جيد		م. د. علي نجدي عبدالله		م. نشوان ضياء زكي	
	قاعة 3		قاعة 3		قاعة 3	

College of Engineering / Department of Media and Communications Technology Engineering / Second stage / first semester / 2022-2023

TIME	8:30 - 9:30	9:30 - 10:30	10:30 - 11:30	11:30 - 12:30	12:30 - 13:30	13:30 - 14:30
Sunday	Object Oriented Programming		Object Oriented Programming عملي			

	م.م. ندى احمد جمعة		م.م. ندى احمد جمعة	
	قاعة رئيسية		Lab 4	
			عملي Computer Networks	
			م.م. سر د عمر ابتر	
			Lab 5	
Monday	عملي Electronics I		Microprocessors	
	م.م. عمر حسام عبد جبار		م. نشوان ضياء زكي	
	Lab 1		قاعة رئيسية	
	عملي Film and Video Technology I			
	اوس جبار جاسم + هندسة رحمة			
	Sound Lab			
	Microprocessors			
	م. نشوان ضياء زكي			
	Lab 4			
Tuesday		Electronics I	Computer Networks	
		م. د. ياسة حمد	م.د. علي حسين علي	
		قاعة رئيسية	قاعة رئيسية	
Wednesday		Electromagnetic Fields	Engineering Mathematics I	
		م.د. سا ر حمد علي	م.م. رسول حسن فنجان	
		قاعة 3	قاعة رئيسية	
Thursday		Film and Video Technology I	English Language II	
		م.د. سعد احمد ذياب	م.د. علي نجدي عبد له	
		قاعة 1	قاعة 1	

College of Engineering / Department of Media and Communications Technology
Engineering / First stage / first semester / 2022-2023

TIME	8:30 - 9:30	9:30 - 10:30	10:30 - 11:30	11:30 - 12:30	12:30 - 13:30	13:30 - 14:30
	Electrical Circuits		Electrical Circuits I		Electrical Circuits I	

Sunday	م.م. نور حمد خليل	م.م. نور حمد خليل +هندسة ندى	م.م. نور حمد خليل +هندسة ندى	
	قاعة 3	Lab 1 –G2	Lab 1 –G1	
		Digital System Design I	Digital System Design I	
		ا.د. احمد عبد صاحب +هندسة مى	ا.د. احمد عبد صاحب +هندسة مى	
		Lab 2 –G2	Lab 2 –G1	
Monday	Programming Fundamentals	Programming Fundamentals	Arabic	
	م.م. اثير عروف +مبرجة بتول جودت	م.م. اثير عروف +مبرجة بتول جودت	م.م. نور اسماعيل	
	Lab 5 –G1	Lab 5 –G2	قاعة 1	
Tuesday	يوم حر			
Wednesday		Digital System Design I	English	
		ا.د. احمد عبد صاحب	م.د. احمد عباس	
		قاعة 3	قاعة 3	
Thursday	Programming Fundamentals	Mathematics I		Human Rights
	م.م. اثير عروف	م. م. غصون سعيد عبد		م.م. سارة حمود
	قاعة 1	قاعة 1		قاعة 1

College of Engineering / Department of Media and Communications Technology Engineering / Fourth stage / second semester / 2022-2023

TIME	8:30 - 9:30	9:30 - 10:30	10:30 - 11:30	11:30 - 12:30	12:30 - 13:30	13:30 - 14:30
Sunday	Project Management عملي		Project Management عملي		Project Management II نظري	
	م. عزة حازم زكي +هندسة فاطمة اسعد		م. عزة حازم زكي +هندسة فاطمة اسعد		م. عزة حازم زكي	
	Lab 5 – G1		Lab 5 – G2		قاعة رئيسية	
	Information Security عملي		Information Security عملي			

	ا.م.د. □حمد□اهر	ا.م.د. □حمد□اهر	
	Lab 4 – G2	Lab 4 – G1	
Monday	Project		
Tuesday	Computer Network Administration	Social Media Technology	Social Media Technology
	م.م. وئام	د. كواكب	د. كواكب
	قاعة 1	قاعة 1	قاعة 1 – G1&G2
Wednesday	English IV	Computer Network Administration عملي	Computer Network Administration
	د. علا	م.م. وئام	م.م. وئام
	قاعة 1	Lab 5 – G2	Lab 5 – G1
		Broadcast System Engineering عملي	Broadcast System Engineering عملي
		م.د. علي نجدي	م.د. علي نجدي
		Lab 6 – G1	Lab 6 – G2
Thursday	Information Security	Broadcast System Engineering عملي	
	ا. م. د.□حمد□اخر	م.د. علي نجدي	
	قاعة 1	قاعة 1	

College of Engineering / Department of Media and Communications Technology
Engineering / Third stage / second semester / 2022-2023

TIME	8:30 - 9:30	9:30 - 10:30	10:30 - 11:30	11:30 - 12:30	12:30 - 13:30	13:30 - 14:30
Sunday	Human Computer Interaction نظري		Computer Networks Protocol نظري		English III	
	م.د. سعد احمد		م.د. علاء		م.د. عبد□له	
	قاعة 1		قاعة 1		قاعة 1	
Monday	Digital Image Processing نظري		Digital Image Processing عملي		Digital Image Processing عملي	
	م.د. □با		م.د. □با + د. حاتم		م.د. □با + د. حاتم	
	قاعة 1		VR –Lab G1		VR –Lab G2	

		Computer Networks Protocol عملي	Computer Networks Protocol عملي
		م.د. علاء	م.د. علاء
		Lab 5 –G2	Lab 5 –G1
Tuesday	Digital Communications	Montage and Digital Effects	Embedded System II
	م.د. سلار حمد علي	م.م. اوس	م.م. اثير
	قاعة 3	قاعة 3	قاعة 3
Wednesday	Computer Vision نظري	Computer Visionعملي	Computer Visionعملي
	م.م. رسول	م.م. رسول	م.م. رسول
	قاعة 1	VR –Lab G1	VR –Lab G2
		Digital Communications عملي	Digital Communications عملي
		م.د. سلار حمد علي+ م.م. عادل	م.د. سلار حمد علي+ م.م. عادل
		Lab 4 –G2	Lab 5 –G1
Thursday	Embedded System II	Montage and Digital Effects	Human Computer Interaction نظري
	م.م. اثير	م.م. اوس	م.د. سعد احمد
	Lab 1 –G1	VR –Lab G1	Lab 4 –G1
	Montage and Digital Effects	Human Computer Interaction نظري	Embedded System II نظري
	م.م. اوس	م.د. سعد احمد	م.م. اثير
	VR –Lab G2	Lab 4 –G2	Lab 1 –G2
	Human Computer Interaction نظري	Embedded System II نظري	Montage and Digital Effects
	م.د. سعد احمد	م.م. اثير	م.م. اوس
	Lab 4 –G3	Lab 1 –G3	VR –Lab G3

College of Engineering / Department of Media and Communications Technology Engineering / Second stage / second semester / 2022-2023

TIME	8:30 - 9:30	9:30 - 10:30	10:30 - 11:30	11:30 - 12:30	12:30 - 13:30	13:30 - 14:30
	Database		Electronics II			

Sunday	م.د. □با	م.د.□ياسة	
	□قاعة□رئيسية	□قاعة□رئيسية	
Monday	Engineering Mathematics II	Media Laws and Ethics	
	ا.م.د. ذاكر	م.م. هديل	
	قاعة 3	قاعة 3	
Tuesday	Database	Electronics II	Communication Fundamentals
	م.م. ندى	م.د.□ياسة +□هندسة ندى	م.م. نور□حمد
	Lab 4 – G1	Lab 5 –G1	VR- G1
	Communication Fundamentals	Database	Electronics II
	م.م. نور□حمد	م.م. ندى	م.د.□ياسة +□هندسة ندى
	VR- G2	Lab 4 – G2	Lab 5 –G2
	Electronics II	Communication Fundamentals	Database
	م.د.□ياسة +□هندسة ندى	م.م. نور□حمد	م.م. ندى
	Lab 5 –G3	VR- G3	Lab 4 – G3
Wednesday	Communication Fundamentals	Statistics and Probability	
	م.م. نور□حمد	م. عزة	
	□قاعة□رئيسية	□قاعة□رئيسية	
Thursday	Film and Video Technology II	Film and Video Technology II	Film and Video Technology II
	م. م. مصطفى مرتضى	م. م. مصطفى مرتضى + مهندسة رحمة	م. م. مصطفى مرتضى + مهندسة رحمة
	قاعة 3	□ختبر□فيديو – G1	□ختبر□فيديو – G2

College of Engineering / Department of Media and Communications Technology
Engineering / First stage / second semester / 2022-2023

TIME	8:30 - 9:30	9:30 - 10:30	10:30 - 11:30	11:30 - 12:30	12:30 - 13:30	13:30 - 14:30
Sunday	□رسم□هندسي			□رسم□هندسي		
	م.د. احمد عباس			م.د. احمد عباس		
	VR Lab –G1			VR Lab –G2		

	Electrical Circuits II عملي			Electrical Circuits II عملي		
	م.م. نور حمد خليل + هندسة ندى			م.م. نور حمد خليل + هندسة ندى		
	Lab 1- G2			Lab 1- G1		
Monday		Programming Fundamentals II		Programming Fundamentals II		
		م.م. اثير عروف + مبرجة بتول		م.م. اثير عروف + مبرجة بتول		
		Lab 4- G1		Lab 4- G2		
	Digital System Design II			Digital System Design II		
	ا.د. احمد عبد صاحب + هندسة مى			ا.د. احمد عبد صاحب + هندسة مى		
	Lab 1- G2			Lab 1- G1		
Tuesday	Mathematics II		Programming Fundamentals II		Digital System Design II	
	م.م. غصون		م.م. اثير عروف		ا.د. احمد عبد صاحب	
	قاعة 5		قاعة 5		قاعة 5	
Wednesday	Mathematics II		Electrical Circuits II		Computer Fundamentals	
	م.م. غصون		م.م. نور حمد خليل		م. نشوان	
	قاعة 3		قاعة 3		قاعة 3	
Thursday	Freedom and Democracy	Sound and Audio Technology		Sound and Audio Technology عملي		
	م. د. حمد سلام	م.م. علي سلام		م.م. علي سلام + م.م. هديل		
	قاعة 5	قاعة 5		Sound Lab		

Table Program Curriculum

Dept.	code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		English Language I	R			2		2021-first semester 2020-first semester 2022- first semester	
MTCE		Engineering Drawing	R		3			2021-second semester 2020-first semester 2022- first semester	
MTCE		Arabic Language	R			2		2021-second semester 2020-first semester 2022- first semester	
MT		Electrical Circuits Analysis I	R		2			2021-first semester	

								2020-first semester **2022- first semester**	
MTCE		Electrical Circuits Analysis I Lab.	**R**		**3**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Human Rights	**R**				**1**	**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Mathematics I	**R**	**3**				**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Computer Programming (C++) I	**R**	**2**				**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Computer Programming (C++) I Lab	**R**	**2**				**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Digital System Design I	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Digital System Design I Lab	**R**		**3**			**2021-first semester** **2020-first semester** **2022- first semester**	

MTCE		Computer Programming (C++) II	**R**	**2**				**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Computer Programming (C++) II Lab	**R**	**2**				**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Computer Fundamentals	**R**	**2**				**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Electrical Circuits Analysis II	**R**		**2**			**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Electrical Circuits Analysis II Lab.	**R**		**3**			**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Mathematics II	**R**	**3**				**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Digital System Design II	**R**		**2**			**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Digital System Design II Lab	**R**		**3**			**2021- second semester** **2020- second semester**	

								2022- second semester	
MTCE		Sound and Audio Technology	**R**		**2**			**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Sound and Audio Technology Lab	**R**		**2**			**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Freedom and Democracy	**R**				**1**	**2021- second semester** **2020- second semester** **2022- second semester**	
MTCE		Engineering Mathematics I	**R**	**3**				**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Electromagnetic Fields	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		English Language II	**R**			**2**		**2021-first semester** **2020-second semester** **2022- second semester**	
MTCE		Film and Video Technology I	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Film and Video Technology I Lab	**R**		**2**			**2021-first semester**	

								2020-first semester **2022-first semester**	
MTCE		Microprocessors I	**R**		**2**			**2021-first semester** **2020-first semester** **2022-first semester**	
MTCE		Microprocessors I Lab	**R**		**2**			**2021-first semester** **2020-first semester** **2022-first semester**	
MTCE		Electronics I	**R**		**2**			**2021-first semester** **2020-first semester** **2022-first semester**	
MTCE		Electronics I Lab	**R**		**3**			**2021-first semester** **2020-first semester** **2022-first semester**	
MTCE		Object Oriented Programming I	**R**	**2**				**2021-first semester** **2020-first semester** **2022-first semester**	
MTCE		Object Oriented Programming I Lab	**R**	**2**				**2021-first semester** **2020-first semester** **2022-first semester**	
MTCE		Computer Networks	**R**	**3**				**2021-first semester** **2020-first semester**	

								2022-first semester	
MTCE		Computer Networks Lab	**R**	**2**				**2021-first semester** **2020-first semester** **2022-first semester**	
MTCE		Engineering Mathematics II	**R**	**3**				**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Communications Fundamentals	**R**		**3**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Communications Fundamentals Lab	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Film and Video Technology II	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Film and Video Technology II Lab	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Electronics II	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MT		Electronics II Lab	**R**		**3**			**2021-second semester**	

								2020- second semester **2022- second semester**	
MTCE		Database	**R**	**2**				**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Database Lab	**R**	**2**				**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Media Laws and Ethics	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Statists and Probability	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Virtual Reality	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Virtual Reality Lab	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Information Theory and Coding	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	

MTCE		Information Theory and Coding Lab	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Web Engineering	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Web Engineering Lab	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Computer Control	**E**		**2**			**2021-first semester** **2020-first semester** **2022- First semester**	
MTCE		Computer Control Lab	**E**		**2**			**2021-first semester** **2020-first semester** **2022- First semester**	
MTCE		Embedded Systems I	**R**		**2**			**2021-first semester** **2020-first semester** **2022- First semester**	
MTCE		Embedded Systems I Lab	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Antenna and Wave Propagation	**R**		**2**			**2021-first semester** **2020-first semester**	

								2022- first semester	
MTCE		Antenna and Wave Propagation Lab	**R**		**2**			**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Digital Signal Processing	**R**	**2**				**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		English Language III	**R**			**2**		**2021-first semester** **2020-first semester** **2022- first semester**	
MTCE		Human Computer Interaction	**E**		**2**			**2021-second semester** **2020- second semester**	
MTCE		Human Computer Interaction Lab	**E**		**2**			**2021-second semester** **2020- second semester**	
MTCE		Computer Networks Protocols	**R**		**3**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Computer Networks Protocols Lab	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Embedded Systems II	**R**		**2**			**2021-second semester** **2020- second semester**	

								2022- second semester	
MTCE		Embedded Systems II Lab	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Multimedia System	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Digital Communication	**R**		**3**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Digital Communication Lab	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Montage and Digital Effects	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Montage and Digital Effects Lab	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Digital Image Processing	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	

MTCE		Digital Image Processing Lab	**R**		**2**			**2021-second semester** **2020- second semester** **2022- second semester**	
MTCE		Project Management I	**R**		**2**			**2021-first semester** **2022-first semester**	
MTCE		Project Management I Lab	**R**		**2**			**2021-first semester** **2022- first semester**	
MTCE		English IV	**R**			**2**		**2021-first semester** **2022- first semester**	
MTCE		Satellite Communication	**R**		**3**			**2021-first semester** **2022- first semester**	
MTCE		Satellite Communication Lab	**R**		**2**			**2021-first semester** **2022- first semester**	
MTCE		Communications Wireless and Mobile	**R**		**2**			**2021-first semester** **2022- first semester**	
MTCE		Communications Wireless and Mobile Lab	**R**		**2**			**2021-first semester** **2022- first semester**	
MTCE		Computer Networks Administration	**R**		**2**			**2021-first semester** **2022- first semester**	
MTCE		Computer Networks Administration Lab	**R**		**3**			**2021-first semester** **2022- first semester**	
MTCE		Cloud Computing	**E**		**2**			**2021-first semester** **2022-first semester**	

MTC E		Cloud Computing Lab	E		2			2021-first semester 2022-first semester	
MTC E		Graduation Project I	R		1			2021-first semester 2022-first semester	
MTC E		Graduation Project I (Practical)	R		2			2021-first semester 2022-first semester	
MTC E		Social Media Technology	R		2			2021-second semester 2022- second semester	
MTC E		Social Media Technology Lab	R		3			2021-second semester 2022- second semester	
MTC E		SNG Satellite News Gathering	R		2			2021-second semester 2022- second semester	
MTC E		SNG Satellite News Gathering Lab	R		2			2021-second semester 2022- second semester	
MTC E		Project Management II	R		2			2021- second semester 2022- second semester	
MTC E		Project Management II Lab	R		2			2021- second semester 2022- second semester	
MTC E		Graduation Project II	R		1			2021-second semester 2022- second semester	
MTC E		Graduation Project II (Practical)	R		2			2021- second semester 2022- second semester	

MTC E		Broadcast System Engineering	**R**		**3**			**2021- second semester** **2022- second semester**	
MTC E		Broadcast System Engineering Lab	**R**		**2**			**2021- second semester** **2022- second semester**	
MTC E		Information Security	**E**		**2**			**2021- second semester** **2022- second semester**	
MTC E		Information Security Lab	**E**		**2**			**2021- second semester** **2022- second semester**	
				37	**162**	**10**	**2**	-	-
				211	**total**				

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		English Language I	R			2		2021-first semester 2020-first semester 2022- first semester	
MTCE		Engineering Drawing	R		3			2021-second semester 2020-first semester 2022- first semester	
MTCE		Arabic Language	R			2		2021-second semester 2020-first semester 2022- first semester	
MTCE		Electrical Circuits Analysis I	R		2			2021-first semester 2020-first semester 2022- first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Electrical Circuits Analysis I Lab.	R		3			2021-first semester 2020-first semester 2022- first semester	
MTCE		Human Rights	R				1	2021-first semester 2020-first semester 2022- first semester	
MTCE		Mathematics I	R	3				2021-first semester 2020-first semester 2022- first semester	
MTCE		Computer Programming (C++) I	R	2				2021-first semester 2020-first semester 2022- first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Computer Programming (C++) I Lab	R	2				2021-first semester 2020-first semester 2022- first semester	
MTCE		Digital System Design I	R		2			2021-first semester 2020-first semester 2022- first semester	
MTCE		Digital System Design I Lab	R		3			2021-first semester 2020-first semester 2022- first semester	
MTCE		Computer Programming (C++) II	R	2				2021- second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Computer Programming (C++) II Lab	R	2				2021- second semester 2020- second semester 2022- second semester	
MTCE		Computer Fundamentals	R	2				2021- second semester 2020- second semester 2022- second semester	
MTCE		Electrical Circuits Analysis II	R		2			2021- second semester 2020- second semester 2022- second semester	
MTCE		Electrical Circuits Analysis II Lab.	R		3			2021- second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Mathematics II	R	3				2021- second semester 2020- second semester 2022- second semester	
MTCE		Digital System Design II	R		2			2021- second semester 2020- second semester 2022- second semester	
MTCE		Digital System Design II Lab	R		3			2021- second semester 2020- second semester 2022- second semester	
MTCE		Sound and Audio Technology	R		2			2021- second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Sound and Audio Technology Lab	R		2			2021- second semester 2020- second semester 2022- second semester	
MTCE		Freedom and Democracy	R				1	2021- second semester 2020- second semester 2022- second semester	
MTCE		Engineering Mathematics I	R	3				2021-first semester 2020-first semester 2022- first semester	
MTCE		Electromagnetic Fields	R		2			2021-first semester 2020-first semester 2022- first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		English Language II	R			2		2021-first semester 2020-second semester 2022- second semester	
MTCE		Film and Video Technology I	R		2			2021-first semester 2020-first semester 2022- first semester	
MTCE		Film and Video Technology I Lab	R		2			2021-first semester 2020-first semester 2022-first semester	
MTCE		Microprocessors I	R		2			2021-first semester 2020-first semester 2022-first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Microprocessors I Lab	R		2			2021-first semester 2020-first semester 2022-first semester	
MTCE		Electronics I	R		2			2021-first semester 2020-first semester 2022-first semester	
MTCE		Electronics I Lab	R		3			2021-first semester 2020-first semester 2022-first semester	
MTCE		Object Oriented Programming I	R	2				2021-first semester 2020-first semester 2022-first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Object Oriented Programming I Lab	R	2				2021-first semester 2020-first semester 2022-first semester	
MTCE		Computer Networks	R	3				2021-first semester 2020-first semester 2022-first semester	
MTCE		Computer Networks Lab	R	2				2021-first semester 2020-first semester 2022-first semester	
MTCE		Engineering Mathematics II	R	3				2021-second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Communications Fundamentals	R		3			2021-second semester 2020- second semester 2022- second semester	
MTCE		Communications Fundamentals Lab	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Film and Video Technology II	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Film and Video Technology II Lab	R		2			2021-second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Electronics II	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Electronics II Lab	R		3			2021-second semester 2020- second semester 2022- second semester	
MTCE		Database	R	2				2021-second semester 2020- second semester 2022- second semester	
MTCE		Database Lab	R	2				2021-second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Media Laws and Ethics	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Statists and Probability	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Virtual Reality	R		2			2021-first semester 2020-first semester 2022- first semester	
MTCE		Virtual Reality Lab	R		2			2021-first semester 2020-first semester 2022- first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Information Theory and Coding	R		2			2021-first semester 2020-first semester 2022- first semester	
MTCE		Information Theory and Coding Lab	R		2			2021-first semester 2020-first semester 2022- first semester	
MTCE		Web Engineering	R		2			2021-first semester 2020-first semester 2022- first semester	
MTCE		Web Engineering Lab	R		2			2021-first semester 2020-first semester 2022- first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Computer Control	E		2			2021-first semester 2020-first semester 2022- First semester	
MTCE		Computer Control Lab	E		2			2021-first semester 2020-first semester 2022- First semester	
MTCE		Embedded Systems I	R		2			2021-first semester 2020-first semester 2022- First semester	
MTCE		Embedded Systems I Lab	R		2			2021-first semester 2020-first semester 2022- first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Antenna and Wave Propagation	R		2			2021-first semester 2020-first semester 2022- first semester	
MTCE		Antenna and Wave Propagation Lab	R		2			2021-first semester 2020-first semester 2022- first semester	
MTCE		Digital Signal Processing	R	2				2021-first semester 2020-first semester 2022- first semester	
MTCE		English Language III	R			2		2021-first semester 2020-first semester 2022- first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Human Computer Interaction	E		2			2021-second semester 2020- second semester	
MTCE		Human Computer Interaction Lab	E		2			2021-second semester 2020- second semester	
MTCE		Computer Networks Protocols	R		3			2021-second semester 2020- second semester 2022- second semester	
MTCE		Computer Networks Protocols Lab	R		2			2021-second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Embedded Systems II	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Embedded Systems II Lab	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Multimedia System	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Digital Communication	R		3			2021-second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Digital Communication Lab	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Montage and Digital Effects	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Montage and Digital Effects Lab	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Digital Image Processing	R		2			2021-second semester 2020- second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Digital Image Processing Lab	R		2			2021-second semester 2020- second semester 2022- second semester	
MTCE		Project Management I	R		2			2021-first semester 2022-first semester	
MTCE		Project Management I Lab	R		2			2021-first semester 2022- first semester	
MTCE		English IV	R			2		2021-first semester 2022- first semester	
MTCE		Satellite Communication	R		3			2021-first semester 2022- first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Satellite Communication Lab	R		2			2021-first semester 2022- first semester	
MTCE		Communications Wireless and Mobile	R		2			2021-first semester 2022- first semester	
MTCE		Communications Wireless and Mobile Lab	R		2			2021-first semester 2022- first semester	
MTCE		Computer Networks Administration	R		2			2021-first semester 2022- first semester	
MTCE		Computer Networks Administration Lab	R		3			2021-first semester 2022- first semester	
MTCE		Cloud Computing	E		2			2021-first semester 2022-first semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		Cloud Computing Lab	E		2			2021-first semester 2022-first semester	
MTCE		Graduation Project I	R		1			2021-first semester 2022-first semester	
MTCE		Graduation Project I (Practical)	R		2			2021-first semester 2022-first semester	
MTCE		Social Media Technology	R		2			2021-second semester 2022- second semester	
MTCE		Social Media Technology Lab	R		3			2021-second semester 2022- second semester	
MTCE		SNG Satellite News Gathering	R		2			2021-second semester 2022- second semester	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
MTCE		SNG Satellite News Gathering Lab	R		2			2021-second semester 2022- second semester	
MTCE		Project Management II	R		2			2021- second semester 2022- second semester	
MTCE		Project Management II Lab	R		2			2021- second semester 2022- second semester	
MTCE		Graduation Project II	R		1			2021-second semester 2022- second semester	
MTCE		Graduation Project II (Practical)	R		2			2021- second semester 2022- second semester	
TOTALS BASIC-LEVEL REQUIREMENTS						-	-	-	

Dept.	Code	Title	Course Type	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester	Maximum Section Enrollment for the Last Two Terms the Course was Offered
				Math & Basic Sciences	Engineering Topics. Check if Contains Significant Design (√)	General Education	Other		
OVERALL TOTAL CREDIT HOURS FOR COMPLETION OF THE PROGRAM									
PERCENT OF TOTAL									

Curriculum Skill Chart																	
Learning outcomes required from the program															**Course Name**	**Course Code**	**The year**
Scientific and transferable skills related to employability and personal development				**Thinking skills**			**Special skills**				**Knowledge and understanding**						
د4	د3	د2	د1	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1			
				✓	✓	✓					✓			✓	**Mathematics I**		1\1
	✓	✓	✓	✓		✓			✓		✓	✓		✓	**Digital Systems Design I**		1\1
		✓	✓	✓		✓			✓		✓	✓		✓	**Electrical Circuits Analysis I**		1\1
✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	**Computer Programming I**		1\1
✓					✓										**English Language I**		1\1

	✓					✓			✓		✓	✓			**Engineering Drawing**		1\1
	✓	✓			✓										**Human Rights**		1\1
✓					✓										**Arabic Language**		1\1
				✓	✓	✓					✓			✓	**Mathematics II**		1\2
	✓	✓	✓	✓		✓			✓		✓	✓		✓	**Digital System Design II**		1\2
		✓	✓	✓		✓			✓		✓	✓		✓	**Electrical Circuits Analysis II**		1\2
✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	**Computer Programming (C++)**		1\2
				✓	✓		✓				✓			✓	**Computer Fundamentals**		1\2
	✓		✓	✓	✓		✓		✓		✓	✓		✓	**Sound and Audio Technology**		1\2
		✓			✓										**Freedom and Democracy**		1\2

Curriculum Skill Chart

Learning outcomes required from the program															Course Name	Course Code	The year
Scientific and transferable skills related to employability and personal development				Thinking skills			Special skills				Knowledge and understanding						
د4	د3	د2	د1	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1			
		✓		✓	✓	✓					✓			✓	Engineering Mathematics I		1\2
	✓	✓	✓	✓		✓			✓		✓	✓		✓	Electronics I		1\2
	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓		✓	Computer Networks		1\2
✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	Microprocessors I		1\2
✓	✓	✓	✓	✓	✓				✓		✓	✓		✓	Film and Video Technology I		1\2
✓		✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	Object Oriented Programming I		1\2
					✓	✓				✓				✓	Electromagnetic Fields		1\2
✓					✓										English Language II		1\2
		✓		✓	✓	✓					✓			✓	Engineering Mathematics II		2/2
	✓	✓	✓	✓		✓			✓		✓	✓		✓	Electronics II		2/2

	✓	✓	✓	✓		✓			✓		✓	✓		✓	**Communications Fundamentals**		2/2
✓	✓	✓	✓	✓	✓				✓		✓	✓		✓	**Film and Video Technology II**		2/2
✓					✓	✓		✓	✓	✓	✓		✓	✓	**Database**		2/2
✓		✓													**Media Laws and Ethics**		2/2
		✓		✓	✓	✓				✓				✓	**Statists and Probability**		2/2

Curriculum Skill Chart

Learning outcomes required from the program															Course Name	Course Code	The year
Scientific and transferable skills related to employability and personal development				Thinking skills			Special skills				Knowledge and understanding						
د4	د3	د2	د1	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1			
		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	**Embedded Systems I**		1\3
	✓				✓				✓		✓			✓	**Virtual Reality**		1\3
	✓	✓	✓		✓	✓		✓			✓		✓	✓	**Information Theory and Coding**		1\3
✓		✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	**Web Engineering**		1\3
			✓	✓	✓				✓		✓				**Computer Control**		1\3
✓	✓	✓			✓	✓		✓			✓			✓	**Antenna and Wave Propagation**		1\3
✓	✓	✓			✓	✓					✓			✓	**Digital Signal Processing**		
✓					✓										**English Language III**		1\3
✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	**Embedded Systems II**		2/3
	✓		✓	✓	✓	✓	✓				✓		✓	✓	**Human Computer Interaction**		2/3

	✓	✓			✓	✓		✓		✓	✓		✓	✓	**Multimedia System**		2/3
		✓			✓	✓					✓			✓	**Digital Communication**		2/3
✓	✓	✓			✓	✓					✓			✓	**Digital Image Processing**		2/3
	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓		✓	**Computer Networks Protocols**		2/3
	✓	✓	✓	✓	✓		✓		✓		✓	✓		✓	**Montage and Digital Effects**		2/3

Curriculum Skill Chart

Learning outcomes required from the program

Scientific and transferable skills related to employability and personal development				Thinking skills			Special skills				Knowledge and understanding				Course Name	Course Code	The year
د4	د3	د2	د1	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**Project I**		1/4
	✓		✓		✓	✓	✓	✓	✓	✓	✓			✓	**Communications Wireless and Mobile**		1/4
✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**Project Management I**		1/4
	✓		✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	**Computer Networks Administration**		1/4
✓		✓		✓	✓	✓		✓		✓	✓		✓	✓	**Cloud Computing**		1/4
✓					✓	✓				✓	✓		✓	✓	**Satellite Communication**		1/4
✓					✓										**English Language IV**		1/4
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**Project II**		2/4
		✓	✓			✓			✓		✓			✓	**Social Media Technology**		2/4
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**Project Management II**		2/4

✓		✓	✓	✓					✓		✓	✓		✓	**SNG Satellite News Gathering**		2/4
✓		✓		✓	✓		✓		✓		✓			✓	**Broadcast System Engineering**		2/4
		✓	✓	✓	✓	✓		✓				✓	✓		**Information Security**		2/4

7: FACULTY

7.1 Faculty Qualifications

Faculty qualification is shown in Table.

Faculty information and members of the department.

ت	اسم التدريسي باللغة العربية بلا لقب علمي	اسم التدريسي باللغة الانجليزية بلا لقب علمي كما يظهر في البحوث	اخر شهادة حصل عليها داخل المؤسسة	اللقب العلمي	البريد الالكتروني الرسمي	اسم القسم الذي تخرجت منه في البكالوريوس	اسم القسم الذي نلت منه الشهادة العليا (الماجستير) داخل المؤسسة): اللبكالوريوس يوس يكتب لا يوجد	تخصصك الدقيق حسب ما مثبت بالقسم العلمي الذي كنت او ما زلت تعمل به	عنوان الاطروحة او الرسالة (لاخر شهادة حصل عليها داخل المؤسسة): البكالوريوس يكتب لا يوجد	المهام: يذكر كلمة تدريسي في حالة عدم انتمائك الى شعبة او يذكر عضو في الشعبة الفلانية او رئيس الشعبة الفلانية	تاريخ اول تعيين	تاريخ التولد	محافظة التولد	رقم الموبايل
1	محمد ماهر رشيد	Mohammad M. Rasheed	دكتوراه	استاذ مساعد	mohammad.rasheed@uoitc.edu.iq	علوم الحاسبات	تقنية المعلومات	تقنية المعلومات	An Innovative Signature Detection System for Polymorphic and Monomorphic Internet Worms Detection and Containment	رئيس قسم هندسة تكنولوجيا الاعلام والاتصالات	2003-01-11	1979-04-24	كركوك	7704267250
2	علي حسين علي احمد النوح	Ali Hussein Ali Alnooh	دكتوراه	مدرس	ali.alnooh@uoitc.edu.iq	علوم الحاسبات	علوم الحاسبات	شبكات وحوسبة سحابية	Real Time Scheduling and Load Balancing for Distributed Servers in Cloud Computing Platform	معاون العميد للشؤون العلمية	2003-12-01	1971-04-02	بغداد	7702740217
3	احمد عبدالصاحب هاشم	Ahmed Abdulsahib	دكتوراه	استاذ	dr.ahmed.hashim@uoitc.edu.iq	هندسة الالكترونيك والاتصالات	هندسة الالكترونيك والاتصالات	هندسة الدوائر والمنظومات الالكترونية	Simulation of fault detection and identification of a simple aircraft model	تدريسي	2008-07-20	1976-12-05	1976-12-05	7702931651
4	ذاكر محمود نايل احمد	Thaker Nayl	دكتوراه	استاذ مساعد	الهندسة الكهربائية	قسم الهندسة الكهربائية وعلوم الحاسبات والفضاء	هندسة روبوت الي	An Autonomous articulated vehicle	تدريسي	1988-10-01	1969-01-01	الانبار	7711336686	thaker.nayl@uoitc.edu.iq
5	علي نجدي عبدالله	Ali Al-Shuwaili	دكتوراه	استاذ مساعد	هندسة الالكترونيك والاتصالات	هندسة كهربائية و حاسبات	هندسة الاتصالات	Mobile cloud computing and network function virtualization for 5G systems	تدريسي	2019-09-30	1983-07-08	بغداد	7902839584	ali.najdi@uoitc.edu.iq
6	سمر طه يوسف	Samar Taha Yousif	ماجستير	مدرس مساعد	هندسة المعلومات والاتصالات	هندسة المعلومات	هندسة المعلومات	Decision support system for routing optimization problem	تدريسي	2023-05-17	1986-12-18	بغداد	7702990546	samar.taha@uoitc.edu.iq
7	احمد عباس جاسم	Ahmed Alsabbagh	دكتوراه	مدرس	الهندسة المدنية	قسم المدني	هندسة الطرق والمواصلات	Development of a design method for bonded	تدريسي	2005-12-30	1983-05-12	بابل	7813278896	ahmed.alsabbagh@uoitc.edu.iq

								concrete pavement overlays					
8	علاء خليل فائق	Alaa K.Faieq	دكتوراه	مدرس	علوم الحاسبات	قسم علوم الحاسبات	تطبيقات حاسوبية	تحليل الجاهزية العراقية للحكومة الالكترونية	تدريسي	2023-02-07	1978-10-10	بغداد	7826445102	علاء خليل فائق
9	محمد سالم محسن رشيد	Mohammed salem mohsen	دكتوراه	مدرس	اللغة العربية	اللغة العربية	لغة	حاشية على شرح المقدمة الازهرية للشيخ محمد قش	تدريسي	2023-02-07	1989-02-17	بغداد	7516110502	mohamed.mehsin@uoitc.edu.iq
10	مياسة محمد علي عبداله ادي	Mayahsa Mohammed Ali	دكتوراه	مدرس	هندسة الاتصالات	الهندسة الكهربائية والألكترونية / الاتصالات والموجات الدقيقة	هندسة الاتصالات والألكتروني ات	Non-linearity and Temperature Effect Modelling and Analysis of High Electron Mobility Electron Transistors	مسؤول شعبة ضمان الجودة	2016-02-09	1980-03-30	بغداد	7805917091	drmayali.uoitc@uoitc.edu.iq
11	عزه حازم زكي	Azzah Hazem Zeki	ماجستير	مدرس	الاحصاء	قسم الاحصاء	احصاء تطبيقي	استخدام الشبكات العصبية في التكهن بالسلسلة الزمنية لاستهلاك الطاقة الكهربائية في محافظة نينوى	تدريسي	1985-12-17	1963-11-28	نينوى	7710373125	azza.hazem@uoitc.edu.iq
12	نشوان ضياء زكي حسن	Nashwan Dheyaa Zaki	ماجستير	مدرس	علوم الحاسبات	قسم علوم حاسبات	نظم معلومات	Using decorative lettering in security printing work	شعبة النشاطات الطلابية	2003-11-01	1979-04-30	بغداد	7519254416	nashwanalani@uoitc.edu.iq
13	اثير معروف محمود	Atheer Marouf M. Al-Chalabi	ماجستير	مدرس مساعد	هندسة برامجيات	معهد المعلوماتية للدراسات العليا/علوم هندسة البرامجيات	معهد المعلوماتية للدراسات العليا/علوم هندسة البرامجيات	A Reliable Security Architecture Model for Pervasive Computing Environments	مقرر قسم	2011-09-25	2011-09-20	بغداد	7818808812	atheeralchalabi@uoitc.edu.iq

14	اوس جبار جاسم	Aws jabbar Jassim	ماجستير	مدرس مساعد	فنون تلفزيونية	قسم الفنون السينمائية والتلفزيونية	قسم الفنون السينمائية والتلفزيونية	جدلية العلاقة بين العدسات عالية الدقة والكاميرا الرقمية في الخطاب السينماتوغرافي	تدريسي	23-5-2023	1-4-1986	الديوانية	07808431194	aws.allami@uoitc.edu.iq
15	ادهم ربيع عزيز جبار	Adham R. Azeez	ماجستير	مدرس مساعد	هندسة الاتصالات	قسم هندسة الكهرباء/هندسة الالكترونيك والاتصالات	هندسة الالكترونيك والاتصالات	Vivaldi Antenna Performance Enhancement Based on Metamaterials	عضو في شعبة التخطيط	2023-03-16	1991-07-20	بغداد	77042822 22	adham.azeez@uoitc.edu.iq
16	حيدر مهدي صالح مهدي	haider mahdi salih	ماجستير	مدرس مساعد	هندسة الحاسبات وتكنولوجيا المعلومات	قسم هندسه الحاسبات	أنظمة المعلومات	استشعار الذكاء الصناعي الحساسات الوجه	عضو في شعبة الشؤون العلمية	2023-05-17	1988-08-30	واسط	78169708 61	haider.mahdi@uoitc.edu.iq
17	ريام مجيد زعال	Riam majeed zaal	ماجستير	مدرس مساعد	هندسة الالكترونيك والاتصالات	هندسة الالكترونيك والاتصالات	الكترونيك واتصالات	A wavelet based audio steganography system	تدريسي	2009-10-01	1984-03-14	بغداد	77026491 96	riam.aldulimi@uoitc.edu.iq
18	ساره علي عبدالله	sarah ali abdullah	ماجستير	مدرس مساعد	هندسة المعلومات والاتصالات	هندسه شبكات وتقنيه الانترنت	هندسه شبكات وتقني ه الانتر نت	Performance Analysis of triple play services over IP using Opnet Simulator	تدريسي	2016-02-24	1988-02-11	بغداد	77130025 33	sarahaabdullah@uoitc.edu.iq
19	سرى رياض صالح	Sura Riyadh Saleh	ماجستير	مدرس مساعد	هندسة تقنيات الحاسبات	علوم هندسة برمجيات	ذكاء اصطناعي	Agency system for brain tumor image classification	تدريسي	2023-03-01	1992-08-17	بغداد	77039447 11	sura.alnuaimy@uoitc.edu.iq
20	صبا طالب حمادة	Saba talib hamada	ماجستير	مدرس مساعد	هندسة الالكترونيك والاتصالات	هندسة الالكترونيك واتصالات	هندسة الالكترونيك واتصالات	Path profile calculation LOS between two points in the map	تدريسي	2023-04-04	1984-02-14	بغداد	77304184 15	saba.talib@uoitc.edu.iq
21	غصون سعيد عبد	Ghuson S. Abed	ماجستير	مدرس مساعد	رياضيات	رياضيات	رياضيات تطبيقية	Numerical Solution for some Differential Equations via Laguerre Transform Approach	تدريسي	1992-12-17	1969-07-20	بغداد	77096221 03	ghsonabed.2019@uoitc.edu.iq

22	هديل حسين جاسم	Hadeel hussain	ماجستير	مدرس مساعد	اداب - قسم الاعلام	الدراسات الاعلامية	اعلام	اعتماد اعضاء هيئة التدريس بالمؤسسات الاكاديمية والبحثيه على الانترنت وانعكاس ذلك على تطوير الاداء المهني	عضو في شعبة الجودة	2002-08-24	1980-02-27	بغداد	07719375837	hadeel.hussain@uoitc.edu.iq
23	نور محمد خليل	Noor Mohammed Khalil	ماجستير	مدرس مساعد	الهندسة الإلكترونية و الاتصالات	الهندسة الإلكترونية و الاتصالات	الهندسة الإلكترونية و الاتصالات	Maltipath interface reduction in WCDMA network	تدريسي	2008/6/21	1985/4/24	بغداد	07711101773	noor_moh@uoitc.edu.iq
24	محمد حسين خليل	Mohammed Hussein khalil	ماجستير	مدرس مساعد	هندسة الكهرباء	هندسة الالكترونيك والاتصالات	هندسة الالكترونيك والاتصالات	Ici Reduction of DM	تدريسي	23/5/2023	1986/1/4	الديواني ة	07808431194	Alauimohammed-86.ma@gmail.com
25	عباس فاضل محمد	إجازة خمس سنوات												
26	سعد احمد ذياب	تنسيب خارج الجامعة												
27	سنا صباح فخري	إجازة خمس سنوات												
28	بتول جودت كاظم	Batool jawdat kadhim	بكالوريوس	معيد مختبر بالنسبة للبكالوريوس	علوم الحاسبات	لايوجد	نظم المعلومات	لايوجد	عضو في شعبة الموارد البشرية	2013-04-08	1990-08-05	بغداد	77045114 02	batool.jewdat@uoitc.edu.iq
29	رهف عماد سعدون	rahaf emad sadon	بكالوريوس	معيد مختبر بالنسبة للب	هندسة تكنولوجيا الاعلام	لا يوجد	تكنولوجيا الاعلام	لا يوجد	مسؤولة ادارة الكتب الادارية في القسم + معيد مختبر	2023-03-13	1999-04-19	بغداد	77050304 36	rahaf.emad@uoitc.edu.iq

				كال وري وس										
30	عبدال ه علي قيس	Abdullah Ali Kais	بكالو ريوس	معي د مخت بر بال نسب ة للب كال وري وس	هندسة تكنولوجيا الاعلام	لا يوجد	معلون مهندس	لا يوجد	عضو في شعبة الموارد البشرية + معيد مختبر	2023-04-03	1999-03-21	بغداد	7710 5005 90	abdulla.qais .mte17@uoitc .edu.iq
31	عمار ضياء حسين	Ammar dhiaa hussein	بكالو ريوس	معي د مخت بر بال نسب ة للب كال وري وس	هندسة تقنيات الحاسبات	لايوجد	هندسة حاسبا ت	لايوجد	مسؤول وحدة الاجهزة والحواسيب + معيد مختبر	2016-02-11	1990-07-12	بغداد	7709 7931 19	ammar.alawad y@uoitc.edu. iq
32	لمى سلام ابراهي م	Luma salam ibraheem	بكالو ريوس	معي د مخت بر بال نسب ة للب كال وري وس	هندسة الحاسبات	لايوجد	هندسة حاسبا ت	لايوجد	ادارة مهام مكتب المعاونين العلمي والاداري + عضو في الشعبة القانونية + معيد مختبر	2010-01-28	1986-04-26	بغداد	7715 7634 55	luma.salam@u oitc.edu.iq
33	محمد الامين رعد جاسب جبر	Mohammed Al-Amin Raad	بكالو ريوس	معي د مخت بر بال نسب ة للب كال وري وس	هندسة تكنولوجيا الاعلام	لا يوجد	معاون مهندس	لايوجد	عضو في شعبة الموارد البشرية + معيد مختبر	2023-03-13	1999-02-09	بغداد	7717 3190 43	mouhamed.raa d.mte17@uoit c.edu.iq
34	ندى جبار عبد الرضا	Nada J.abdulredha	بكالو ريوس	معي د مخت بر بال نسب ة للب كال وري وس	هندسة الحاسبات	لا يوجد	هندسة حاسبا ت	لا يوجد	معيد مختبر	2010-01-28	1984-08-16	بابل	7703 8315 84	nada.abdulri da@uoitc.edu .iq

7.2 Faculty Workload

توزيع نصاب المواد الدراسية للفصل الثاني للعام الدراسي 2022-2023

ت	الاسم الثلاثي	مادة / عدد ساعات اسبوعيا	نصاب الرسمي	تخفيض	عدد ساعات مطلوب	عدد ساعات مادة نظري	Group	عدد ساعات مادة عمل	Group	قسم	لقب علمي	صفة/سبب تخفيض	نصاب مشارع	عدد ساعات مشروع نظري	عدد ساعات مشروع عملي	نصاب اخر نظري	نصاب اخر حالي عملي	مجموع	الاضافية او النقص
أولا: كادر قسم هندسة تكنولوجيا الاعلام والاتصالات																			
1	محمد ماهر رشيد	Information security mobile application disign	10	2	8						استاذ مساعد	رئيس قسم +رئيس اللجنة الامتحانية							
2	احمد عبد الصاحب هاشم	Digital System Design II Human Computer Interactions	8		8						استاذ								
3	سعد احمد ذياب	تنسيب الى وزارة التربية																	
4	علي نجدي عبد الله	Broad cast system enginering Human computer interact project	10	2	10	6		14			استاذ مساعد	عضو لجنة امنحانية						12	
5	اثير معروف محمود	Embedded system II ProgrammingII Project	14	6		6		14			مدرس مساعد	عضو لجنة امتحانية +مقرر قسم						12	
6		Project mamagment	12									عضو لجنة امتحانية						0	

	عزة حازم زكي	Statistics and probablity									مدرس	5عمر فوق								
7	غصون سعيد عبد	Mathmatics I Digital System Desgin II	14	6	12						مدرس مساعد	عضو لجنة امتحانية مسؤول شعبة 5عمر فوق ال								
8	نور محمد خليل	Electrical Circuits Communication Fundamentals	14		14						مدرس مساعد									
9	نشوان ضياء زكي	Computer Fundamentals Computer Vision Embedded System II	12	2	10						مدرس	مسؤول شعبة								
10	هديل حسين جاسم	Media laws and Ethics Montage and Digital Effects Freedom and Democracy Sound and Audio Technology	14		14															
11	مياسة محمد علي	Electronics Electrical circuit II	12	2	10						مدرس	مسؤول شعبة								

12	احمد عهبا س		12	2	12									مدرس	مسوؤل شعبة							2

توزيع نصاب مواد دراسية لفصل ثاني لعام دراسي 2022-2023
محاضرين خارجيين

ت	الاسم ثلاثي	مادة / عدد ساعات اسبوعيا	عدد ساعات مادة نظري	Group	عدد ساعات مادة عملي	Group	قسم	لقب علمي	صفة	نصاب مشاريع	عدد ساعات مشروع نظري	عدد ساعات مشروع عملي	نصاب خاص نظري	نصاب خاص عملي	الإضافي
ثانيا: محاضرين خارجيين															
1	علي سالم رشيد	Sound and Audio Technology نظري عملي Graduation Project II						مدرس مساعد							
2	مصطفى مرتضى مجيد	Film and Video Technology نظري عملي Digital Communications عملي Graduation Project II						مدرس مساعد							
3	عادل حيدر لازم	Computer Vision نظري عملي + Graduation Project II						مدرس مساعد							
4	رسول حسن فنجان	Database عملي Social Media Technology نظري عملي Digital Communication نظري						مدرس مساعد							
5	ندى احمد جمعة	Computer network administration نظري عملي						مدرس مساعد							
6	كواكب خضير احمد	Sound and Audio Technology نظري عملي Graduation Project II						مدرس مساعد							

7	د. سامر محمد علي	Film and Video Technology نظري عملي						اسناذ مساعد											
8	وئام سعدي حمزة	Digital Communications عملي Graduation Project II						مدرس مساعد											

توزيع نصاب مواد دراسية لفصل ثاني لعام دراسي 2022-2023
تعيين دكتوراه

ت	الاسم ثلاثي	مادة / عدد ساعات اسبوعيا	نصاب رسمي	تخفيض	عدد ساعات مطلوب	عدد ساعات مادة نظري	Group	عدد ساعات مادة عملي	Group	قسم	لقب علمي	صفة/سبب تخفيض	نصاب مشاريع	عدد ساعات مشروع نظري	عدد ساعات مشروع عملي	نصاب حاي نظري	نصاب حاي عملي	مجموع	الاضافية او نقص
أولا: كادر قسم هندسة تكنو وجيا الاعلام و الاتصلات																			
1	هند سالم غازي										مدرس								
2																			

توزيع نصاب مواد دراسية لفصل ثاني لعام دراسي 2022-2023
تعيين ماجستير

ت	الاسم ثلاثي	مادة / عدد ساعات اسبوعيا	نصاب رسمي	تخفيض	عدد ساعات مطلوب	عدد ساعات مادة نظري	Group	عدد ساعات مادة عملي	Group	قسم	لقب علمي	صفة/سبب تخفيض	نصاب مشاريع	عدد ساعات مشروع نظري	عدد ساعات مشروع عملي	نصاب حاي نظري	نصاب حاي عملي	مجموع	الاضافية او نقص
أولا: كادر قسم هندسة تكنو وجيا الاعلام والاتصالات																			
1																			

2																			

توزيع نصاب مواد دراسية لفصل ثاني لعام دراسي 2022-2023
محاضرين خارجيين

ت	الاسم ثلاثي	تخصص	مادة / عدد ساعات اسبوعيا	عدد ساعات مادة نظري	Group	عدد ساعات مادة عملي	Group	قسم	لقب علمي	صفة	نصاب مشاريع	عدد ساعات مشروع نظري	عدد ساعات مشروع عملي	نصاب حاجي نظري	نصاب حاجي عملي	الإضافي
ثانيا: محاضرين خارجيين																
1																
3																
4																

7.3 Faculty Size

The program has an adequate number of faculty members whom professional specialty is in engineering and all related fields. Faculty members follow regulations and policies regarding the interaction with their students. Several members are either already in their MSc. and PhD. course of study or applying to start higher grade in fields required by the program.

Faculty of Engineering / faculty and staff of the Department of Media Technology and communications.

No. of faculty and staff of the department

1	**Ph.D**	**(11)**
2	**M.Sc**	**(12)**
3	**B.Sc**	**(6)**

Lecturer name		
.1	أ.م. د. محمد ماهر	
.2	أ.د.احمد عبد الصاحب هاشم	
.3	أ.د. عباس فاضل محمد	
.4	م.د.علي حسين علي احمد النوح	
.5	ا.د. ذاكر محمود نايل	
.6	أ.م.د.علي نجدي عبد الله	
.7	م.د .احمد عباس جاسم	
.8	م.د. سعد احمد ذياب	
.9	م.د.مياسة محمد علي	
.10	م.د علاء خليل فائق	
.11	م.د. هند سالم غازي	
.12	م.د.محمد سالم محسن	
.13	أ.م.نشوان ضياء زكي	
.14	م. عزة حازم زكي	
.15	م. سمر طه يوسف	
.16	م.م سرى رياض صالح	
.17	م.م. صبا طالب حمادة	
.18	م. م ريام مجيد زعال	
.19	م. نور احمد خضر	
.20	م.م نور محمد خليل	
.21	م.م. اثير معروف محمود	
.22	م.م. سنا صباح فخري	
.23	م.م هديل حسين جاسم	

.24	م.م غصون سعيد عبد	
.25	م.م. ساره علي عبدالله	
.26	م.م. ادهم ربيع عزيز جبار	
.27	م.م. اوس جبار جاسم	
.28	م.م.محمد حسين خليل	
.29	م.م.حيدر مهدي صالح مهدي	
.30	عمار ضياء حسين	
.31	تول جودت كاظم	
.32	ندى جبار عبد الرضا	
.33	لمى سلام ابراهيم	
.34	رهف عماد سعدون	
.35	عبد الله علي قيس	
.36	محمد الامين رعد جاسب	

7.4 Professional Development

During the year of review, no faculty member starts a new academic program. All faculty members published research papers in different scientific journals and conferences.

Faculty are actively involved in professional development, including attending such activities as professional workshops, Celebration of Women in Computing, the University Teaching and Learning Conference, the Consortium for Computing Sciences in College, ACM conferences, and IEEE conferences.

7.5 Authority and Responsibility of Faculty

The faculty members are key to the definition and revision of Program Educational Objectives and Student Outcomes, as well as in the achievement of those outcomes.

During the year of review, few faculty members proposed modifications in classes. Program has a dedicated committee, called Committee of Syllabi Development, which is responsible of collecting proposals and suggest appropriate actions.

Faculty members have the discretion to modify and evaluate courses based on discussions among Computer Science faculty members.

However, new courses, substantive changes to existing courses, and changes to major requirements need approval from both the department and the College Undergraduate Curriculum, Admissions, and Standards Committee. This committee brings the

approved changes forward for a vote by the College. These approvals are then reviewed/signed by the Dean and sent to the Provost. Ultimately, the Provost, representing Academic Affairs, approves or disapproves the changes. Changes involving the core curriculum areas or substantive changes to programs must be sent to the University Curriculum Committee for approval before going to the Provost.

8: FACILITIES

8.1 Offices, Classrooms, and Laboratories

Department building, where program is offered, contains 5 offices (head of the department office, department administrative office, and three faculty-member offices). Four classrooms, two of them are shared with another department in the college, with 30 seats in each classroom. COVID-19 pandemic affected the number of in-class lectures during the academic year. Six labs rooms that contain devices and apparatus for eight different labs, namely, Electricity laboratory, computer laboratory, networking laboratory, Virtual Reality Lab , Voice Lab and Video Lab

8.2 Computing Resources

Three computer labs., one shared with another program, are equipped with the up-to-date laptops. All necessary software is installed on those laptops. Software packages include: MATLAB, 8086 Emulator, Packet Tracer, JAVA, C++, Web Programming software, IDE for embedded systems, WATS2002 (Antenna software), MULTISIM, and Mobile Applications Developing software. Program offers off-campus student housing for students who reside outside Baghdad governorate.

8.3 Guidance

Students are given instructions about how to use pieces of equipment in labs. during the first in-lab lecture. Due to COVID-19 pandemic, all of these instructions were given through online labs. during the academic year of 2020-2021. Instructions are also available in labs. in the form of wall posters. Students are instructed not to operate any electrical/electronic apparatus without prior approval form the lab instructor to avoid and hazardous situations.

8.4 Maintenance and Facilities Upgrades

Facilities are maintained and upgraded regularly by the department staff through official channel which includes requests submitted by the faculty member responsible for the lab material and/or lab instructor to the head of the department.

8.5 Library Services

The department has a special committee that established the department's library, where the department has includes annual output projects, where the department keeps a copy of it so that other students can benefit from it in later stages.

8.6 Overall Comments on Facilities

- Media Technology and communications department is committed to assisting all students in providing for their own safety and security.
- Laboratories of Media Technology and communications department are locked after-hours, and faculty must submit student names to Public Safety for approved after-hours access. The annual security and fire safety compliance document is available in a PDF document on the Public Safety website at www.gcsu.edu/publicsafety/.
- This document and website contain information regarding campus security and personal safety, including topics such as crime prevention, fire safety, university police/law enforcement authority, crime reporting policies, disciplinary procedures, and other matters of importance related to security and safety on campus.
- Media Technology and communications took the following precautions to provide a safe and healthy learning environment for its students, faculty, and staff. The following actions were consistent with guidelines along with directives from the University System:
- All classrooms and labs were evaluated and arranged to adhere to social distancing guidelines.
- Traffic flows in/out of classroom were modified to promote social distancing and reduce people density.

Infrastructure

قاعات دراسية

- قاعة (1)
- قاعة (3)
- قاعة (5)

مختبرات

- مختبر الكهرباء Lab1
- مختبر الحاسبات Lab4
- مختبر الشبكات Lab5
- مختبر الصوت
- مختبر الواقع الأفتراضيLab9 VR
- مختبر الفيديوLab10
- ملحق مختبر الحاسبات (المكتبة سابقا)

اعداد الطلاب

	المرحلة الاولى	المرحلة الثانية	المرحلة الثالثة	المرحلة الرابعة
الصباحي	18	41	21	21
المسائي	-	1	-	-
المؤجلين	2	-	-	-
الكلي	18	42	21	21

مختبرات: عدد 7

ت	المختبر	الاستيعاب
1	مختبر الكهربائية Lab1	17
2	مختبر الشبكات Lab5	14
3	مختبر الصوت	11
4	مختبر الواقع الأفتراضيLab9	18
5	مختبر الفيديو Lab10	8
6	مختبر الحاسبات Lab4	10
7	ملحق مختبر الحاسبات(المكتبة سابقا)	8

اشغال قاعات و مختبرات

يوم	قاعة 3	قاعة 5	قاعة 1	Lab VR 9	Lab 1	Lab sound	Lab 5	Lab 4	Lab 10	قاعة رئيسية
الاحد	8:30-1:30 ف1		8:30-10:30	8:30-1:30 ف1	12:30-2:30		8:30-11:30	10:30-2:30 ف1		8:30-2:30
	8:30-10:30 ف1		8:30-10:30				10:30-2:30 ف1			8:30-10:30 ف1
			8:30-10:30 ف1							
الاثنين	8:30-1:30		8:30-10:30	10:30-2:30	8:30-1:30 ف1	8:30-12:30 ف1	8:30-12:30	8:30-1:30 ف1		12:30-2:30 ف1
	11:30-1:30		12:30-2:30	10:30-2:30 ف1						
	8:30-10:30 ف1		8:39-2:30 ف1							
ثلاثاء	8:30-2:30	8:30-2:00 ف1	8:30-2:30	8:30-10:30 12:30-2:30			10:30-2:30	8:30-2:30		10:30-2:30 ف1

		10:30-2:30 ف1	10:30-2:30 ف1						10:30-12:30	
									8:30-10:30 ف1	
8:30-1:30		10:30-2:30	10:30-2:30			10:30-2:30	8:30-10:30		8:30-2:00 ف1	الاربعاء
12:30-2:30 ف1		10:30-2:30 ف1		11:30-2:30 ف1			8:30-2:30 ف1		10:30-12:30 ف1	
							8:30-2:30			
	10:30-2:30	8:30-2:30			8:30-2:30	8:30-2:30	8:30-2:30	8:30-11:30 ف1	8:30-10:30	خميس
		10:30-2:30 ف1							8:30-2:30 ف1	

استمارة ملخص المشروع

جامعة تكنولوجيا المعلومات والإتصالات

كلية الهندسة

قسم هندسة تكنولوجيا الاعلام والاتصالات

((استمارة توثيق مشاريع التخرج))

عنوان المشروع

العام الدراسي

اسماء الطلاب

مشرف المشروع

القسم

((ملخص المشروع))

توزيع لجان مناقشة مشاريع التخرج لطلبة المرحلة الرابعة للعام الدراسي 2023/2022

ت	اسم مشروع التخرج	اسم المشرف	اسماء الطلبة المشاركين	اسماء لجنة المناقشة
1	Multimedia Archiving System using Flutter	م.م.اثير معروف	1.حيدر عبدالأمير شريف 2. فاطمة علاء حسين	أ.م.د علي نجدي عبدالله م.د. علاء خليل فائق م.د.هند سالم غازي م.م.نور محمد خليل
2	Deep-Metaverse: Mesopotamian Civilization 3D Reconstruction from Low-resolution 2D Images	م.م. علي سلام	1. ابراهيم زيد سعد 2. رسل وليد عبيد	
3	News Notification System using Flutter	م.م.اثير معروف	1. شعيب محمد اوشال 2. حسين مصطفى علي 3. ابراهيم احمد صادق	
4	Pi-Phone: VoIP Phone System on Raspberry Pi	ا.م.د علي نجدي	1. علي حسنين عبد المهدي 2. صبا مهدي هاشم	
5	Radio over IP: On-air News Streaming via Software-defined Radio (SDR(	أ.م.دعلي نجدي	1. نرجس مؤيد شاكر 2. زينب حسن بلال	
6	Human Face Blurring for Privacy Preserving Digital Videos	م.م رسول حسن	1. ياسر طارق شعبان 2. امنين مازن محسن	
7	Data Transmission through Li-Fi Technology	ا.م.د سامر محمد	1. موسى محمد ثامر 2. ابراهيم عبدالرضا عبود	
8	News Article Multi-class Classification using Machine Learning	م.م. رسول حسن	1. نوار احمد كامل 2. مهيمن عبدالله ندر	
9	Computing of Satellite Link Budget using STK Program	م.م عادل حيدر	1. نرجس علي حسين 2. سجى احمد خزعل	
10	Design and Implementation of an Imitation VirtualNetwork using a Simulation platform	م.د.احمد سعد	1. سجاد محمود عبد الحسن 2. علي هيثم جاسم	

جدول

جرد محتويات القاعات

محتويات	طابق	كتب	سبورة	داتا شو	سبورة ذكية	عارضة	شاشة	كراسي تدريسي تحرك	كراسي تدريسي ثابت	كراسي ختبر ثابتة
قاعة 1		1	1	-	-	1	-	-	-	20
قاعة 3		1	2	-	-	1	-	-	-	30
قاعة 5		1	1	-	-	1	1	-	-	25
Sound		-	-	-	-	-	-	-	-	11
Lab10		1	-	-	-	-	1	1	-	8
Lab 1		1	1	-	-	-	-	1	1	17
Lab 9		1	-	-	-	-	7	1	-	18
Lab4		1	1	-	-	-	1	-	1	10
Lab5		1	1	1	-	1	-	1	-	14
مختبر المكتبة		1	-	-	-	-	-	-	1	8

9-INSTITUTIONAL SUPPORT

9.1 Leadership

The head of the Media Technology and communications department is an Assistant Professor with a PhD. degree in Information Technology.

The Department of Media Technology and communications includes the faculty of different majors (communication Engineering-computer science-Civil engineering-mathematics-physics-electrical engineering-law-English...etc..). The faculty members oversee the many programs, but the entire department including the department chair must approve changes to curriculum and objectives.

This departmental approval assures the faculty can articulate the proposed changes before the changes go to the college's Undergraduate Curriculum Committee and College faculty for approval.

The Chair of the Department of Media Technology and communications oversees the faculty members and reports to the Provost. The Dean of the college of engineering supervises the college.

9.2 Program Budget and Financial Support

The college budget comes from the allocations that the university receives from the Ministry of Higher Education and Scientific Research. Each university has annual allocations.

The hiring process is handled by the Human Resources department in the university, and the department decides to accept a new candidate for a faculty member position based on an interview with the applicant after reviewing his/her qualifications.

The program offers an equal and an adequate opportunity to each faculty member to pursue a degree or to having a leave.

9.3 Staffing

The program has adequate technical and administrative staff members to support faculty and students. Technical members are part of the laboratory staff which help instructors during face-to-face lab lectures.

9.4 Faculty Hiring and Retention

As a program in a university in the public sector, all fund-related matters are handled through the proper channel to ensure the adequacy of lab. apparatus and other teaching related materials.

9.5 Support of Faculty Professional Development

Applications for new class and lab materials are handed directly to the head of the department by faculty members and/or by lab instructors. When approved, these applications go through proper channels to start purchasing steps and all materials are supplied accordingly.

The university does not have a property that is granted to professors to perform their research. Rather, each teacher supervises and spends on his projects, research and conferences from his own money.

The department annually updates the devices and equipment according to the development that obtains the study materials, but within the permitted college budget.

Graduation projects for students in the fourth stage are under the supervision of the department professors. Students are not granted a grant to spend on their projects. Rather, each student spends on his graduation project from his own money, as there is no special budget by the ministry, college, or department that allows granting scholarships to students.

Attesting Signature

By signing below, I attest to the following:

That **Media Technology and communications** has conducted an honest assessment of compliance and provided full and accurate information disclosure based on the information available.

Done by

Dr.

_____ _____

Signature **Date**

Head of Department

Assist. Prof. Dr.

_____ _____

Signature **Date**

Dean's

Prof. Dr. Mouayad Abdulredha Sahib

_____ _____

Signature **Date**