

**Ministry of Higher Education and Scientific Research**  
**Al-Hussain University College**  
**Media Technology and Communications Engineering**



**Academic Program Discription Form for Colleges and Institutes**

**College/Institute Name:** Al-Hussain University College

**Scientific Department:** Media Technology and Communications Engineering

## Description of the academic program

This academic program description provides a necessary summary of the most important characteristics of the program and the learning outcomes that the student is expected to achieve, demonstrating whether he or she has made the most of the available opportunities. It is accompanied by a description of each course within the program

<b>1. Educational institution</b>	Al-Hussain University College
<b>2. Scientific department / center</b>	Media technology and communications engineering
<b>3. Name of the academic or professional program</b>	Bachelor's degree in engineering
<b>4. Name of the final degree</b>	Bachelor's degree in Media technology and communications
<b>5. Academic system type: (annual /Courses /Other)</b>	semester
<b>6. Approved program accreditation</b>	ABET
<b>7. Other external influences</b>	none
<b>8. Date of preparation</b>	

**9. Goals the academic program**

1- Preparing engineers specialized in the field of media and communications technology engineering who are able to compete in the labor market.

2- Applying the latest technologies and methods in the educational and research process.

3- Providing students with the necessary knowledge in the field of media and communications technology engineering.

4- Prepare students for a variety of engineering careers in the field of information and communications technology engineering through innovative programs that integrate theoretical and practical experience

5- Producing ethically responsible individuals who are highly competent in their fields of specialization and preparing them well to work effectively in a work team  
Working to prepare students who have the ability to self-learn in addition to a comprehensive understanding in the engineering, ethical, and social fields

6- Producing ethically responsible individuals who are highly competent in their fields of specialization and preparing them well to work effectively in a work team  
Working to prepare students who have the ability to self-learn in addition to a comprehensive understanding in the engineering, ethical, and social fields

## 10. Required Outputs of the Program and Methods for Education, Learning and Evaluation

### a. Cognitive Objectives:

1. Applying knowledge in the use of means of communication - media - networks - computers (a)
2. The ability to determine the appropriate method to address problems in the field of media technology engineering (b)
3. The ability to choose appropriate methods for analyzing and evaluating systems operating in the field of media and the programs necessary for implementation (c).
4. The ability to analyze the impact of computing on the performance of people, groups, institutions and society in general (g).
5. Determine the needs required to engage in the development process (h).
6. The ability to solve problems by designing appropriate algorithms (IT/l).
7. Understanding the best standards and procedures and their appropriate uses in the work environment (IT/m).
8. The ability to implement engineering projects according to quality standards (BI/o).
9. The ability to analyze systems design models within strategic plans for dynamic business environments (BI/p).

### Teaching and learning Methods

1. Direct Education.
2. E-learning.
3. Self -Learning.

### Evaluation Methods

1. Achievement Test.
2. standardized test.
3. Displaying students' individual skills
4. Choosing intellectual questions in the achievement test.

### b. Skill Objectives of the Program

1. The ability to use modern techniques, devices and equipment in the field of media technology (i).
2. The ability to use basic and advanced technologies in the field of communications - media - networks - computers (IT/j)
3. The ability to apply the foundations of design and development to build software systems suitable for media applications (cs/k).

4. The ability to implement systems simulation programs (BI/q).

#### Teaching and Learning Methods

1. Direct method through lectures
2. The self-method is through preparing research papers and discussing them collectively -
3. E-Learning
4. Experiential education (applied education) - field education

#### Evaluation Methods

1. Group project
2. Daily exam
3. Daily engagement
4. Monthly exam (annual quest)

#### C- Emotional and value goals.

1. The Ability to work effectively within a team to accomplish a specific task (d).
2. Understanding the ethics, laws, safety procedures, and social issues related to the professional specialty. (e).
3. The ability to communicate effectively with a group of listeners (f).
4. The Ability to actively participate and plan projects (IT/n).

#### Teaching and learning Methods

- Cooperative education (group learning) (students' awareness that they will pass together, or - .fail together)
- Indirect education (applying the entirety of acquired knowledge to solve a specific problem under the supervision of one of the professors)

#### Methods Evaluation

1. Comprehensive questionnaire
2. Group project
3. Daily exam
4. Daily participation

#### D- Transferable general and qualifying skills (other skills related to employability .and personal development)

- .1. The desire and ability to learn lifelong
- .2. The ability to communicate with different specializations
- .3. The ability to solve problems
- .4. The ability to communicate well with his peers in the work environment

## Teaching and learning methods

- Brainstorming
- E-Learning
- Self-learning (acquiring knowledge and skills based on one's own abilities)
- Experimental education (applied education) - Field education
- Indirect education (applying the entirety of acquired knowledge to solve a specific problem under the supervision of one of the professors)

## Evaluation methods

1. Rubrics-Peer faculty evaluation.
2. Group project.
3. A project focused on selecting a random group of students.
4. Presentation of students' performance.
5. Standardized testing.
6. Conduct an experience and professionalism test

## the message

- The department seeks to graduate the best engineering competencies with high skills that have the ability to keep pace with scientific development in the field of media, communications and information technology engineering.
- Effective contribution to bridging the gap between educational outcomes and labor (job) 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.

## Objectives

- Transferring knowledge to the student in a solid academic manner that enables her/him to find appropriate solutions to problems through analyzing them, collecting data, and defining requirements.
- Paying attention to field training.
- Providing the communications and media 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 updating the curriculum to ensure the quality of education and scientific soundness.

- Providing continuing education opportunities to develop cadres and pursue postgraduate studies.
- Strengthening cooperation with educational and research institutions at home and abroad.
- Providing engineering consulting services to government institutions and the private sector.

Name of the material in Arabic	Name of the material in English	Material symbol	Number of units	Semester	Stage	Maximum score of quest
الرياضيات (1)	Mathematics I	MAT 2110	3	the first	The first	40
تصميم النظم الرقمية (1)	Digital System Design I	MTE 2111	3	the first	The first	50
تحليل الدوائر الكهربائية (1)	Electrical Circuits Analysis I	MTE 2112	3	the first	The first	50
البرمجة بلغة ++C (1)	Programming with C++ I	PRL 2113	3	the first	The first	50
الرسم الهندسي	Engineering Drawing	DRW 2114	1	the first	The first	50
حقوق الانسان	Human Rights	HRS 2115	1	the first	The first	40
اللغة الانكليزية (1)	English Language I	ENL 2116	2	the first	The first	40
اللغة العربية	Arabic Language	ARL2117	2	the first	The first	40
الرياضيات (2)	Mathematics II	MAT 2120	3	the second	The first	40
تصميم النظم الرقمية (2)	Digital System Design II	MTE 2121	3	the second	The first	50
تحليل الدوائر الكهربائية (2)	Electrical Circuits Analysis II	MTE 2122	3	the second	The first	50
البرمجة بلغة ++C (2)	C++ Programming Language II	PRL 2123	3	the second	The first	50
تقنيات الصوت	Sound and Audio Technology	MTE 2124	3	the second	The first	50
الديمقراطية والحرية	Freedom & Democracy	FRD 2125	1	the second	The first	40
اللغة الانكليزية (2)	English Language II	ENL 2126	2	the second	The first	40

اساسيات الحاسوب	Computer Fundamentals	MTE 2127	2	the second	The first	40
الرياضيات الهندسية (1)	Engineering Mathematics I	MAT 2210	3	the first	the second	40
الالكترونيك (1)	Electronics I	MTE 2211	3	the first	the second	50
تقنية الفيديو والفلم (1)	Film and Video Technology I	MTE 2212	3	the first	the second	50
البرمجة الشيئية (1)	Object oriented programming I	PRL 2213	3	the first	the second	50
شبكات الحاسوب	Computer Networks	MTE 2214	4	the first	the second	50
المجالات الكهرومغناطيسية	Electromagnetic Fields	MTE 2215	2	the first	the second	50
المعالجات	Microprocessors	MTE 2226	3	the second	the second	50
الرياضيات الهندسية (2)	Engineering Mathematics II	MAT2220	3	the second	the second	40
الالكترونيك (2)	Electronics II	MTE 2221	3	the second	the second	50
تقنية الفيديو والفلم (2)	Film and Video Technology II	MTE 2222	3	the first	the second	50
البرمجة الشيئية (2)	Object Oriented programming II	PRL 2223	3	the first	the second	50
أنظمة السيطرة	Control Systems	MTE 2224	3	the first	the second	50
الاحتماليات والاحصاء	Statistics and Probability	STP 2225	3	the second	the second	40
أخلاقيات وقوانين الاعلام	Media Laws and Ethics	ETH 2226	2	the second	the second	40
الانظمة المضمنة (1)	Embedded Systems I	MTE 2310	3	the first	Third	50
أساسيات الاتصالات	Communication fundamentals	MTE 2311	4	the first	Third	50
معالجة الاشارة الرقمية	Digital Signal Processing	MTE 2312	2	the first	Third	40
هندسة الويب	Web Engineering	WEB 2313	3	the first	Third	50
الواقع الافتراضي	Virtual Reality	VIR 2314	3	the first	Third	50



الترميز ونظرية المعلومات	Information Theory & Coding	MTE 2315	3	the first	Third	50
الهوائيات وانتشار الموجات	Wave Propagation and Antenna	MTE 2316	3	the first	Third	50
الانظمة المضمنة (2)	Embedded System II	MTE 2320	3	the second	Third	50
الاتصالات الرقمية	Digital Communications	MTE 2321	4	the second	Third	50
معالجة الصورة الرقمية	Digital Image Processing	MTE 2322	3	the second		50
أنظمة الوسائط المتعددة	Multimedia Systems	MTE 2323	2	the second	Third	40
التفاعل بين الإنسان والحاسوب	Human Computer Interaction	HCI 2324	3	the second	Third	50
بروتوكولات شبكات الحاسوب	Computer Networks Protocols	MTE 2325	4	the second	Third	50
المونتاج والتأثيرات الرقمية	Editing and digital effects	MTE 2326	3	the second	Third	50
مشروع سنة التخرج (1)	Project I	PRJ 2410	2	the first	Fourth	20
الاتصالات عبر الاقمار الصناعية	Satellite Communications	MTE 2411	3	the first	Fourth	50
الاتصالات المتنقلة واللاسلكية	Wireless and Mobile Communications	MTE 2412	3	the first	Fourth	50
ادارة شبكات الحاسوب	Computer Networks Administration	MTE 2413	3	the first	Fourth	50
الحوسبة السحابية	Cloud computing	MTE 2414	3	the first	Fourth	50
ادارة المشاريع (1)	Project Management I	PMT 2415	3	the first	Fourth	50
مشروع سنة التخرج (2)	Project II	PRJ 2420	3	the second	Fourth	20
هندسة أنظمة البث	Broadcast Systems	MTE 2421	3	the second	Fourth	50

تجميع الأخبار عبر الأقمار الصناعية	SNG Satellite News Gathering	MTE 2422	3	the second	Fourth	50
أمنية البيانات	Information Security	MTE 2423	3	the second	Fourth	50
تكنولوجيا وسائل التواصل الاجتماعي	Social Media Technology	MTE 2424	3	the second	Fourth	50
ادارة المشاريع (2)	Project Management II*	PMT 2425	3	the second	Fourth	50

#### 11. Planning for personal development

- 1- Work in one team
- 2- Teaching others
- 3- Lead a team
- 4- Negotiation
- 5- Unifying the team in light of cultural differences
- 6- Employing decision-making skills
- 7- Employing problem-solving skills
- 8- Dealing with others
- 9- Neutralize arguments with timing, instructions, politeness, and concise language

#### 12. Admission standard (setting regulations related to admission to the college or institute)

Central admission.

## **Learning outcomes for computing programs according to /CAC ABET standards**

- a- The ability to apply knowledge of computers and their communication methods that are appropriate and necessary for the outcomes of the program and specialization.
- b- The ability to analyze problems and identify and define the computer requirements required for the solution.
- c- The ability to design, implement and evaluate computer systems and conduct the necessary programs for implementation.
- d- The ability to work effectively within a team to accomplish a specific task.
- e- Understanding the ethics, laws, safety procedures, and social issues related to the professional specialty.
- f- The ability to communicate effectively within a group of listeners.
- g- The ability to analyze the impact of computing on the performance of people, groups, institutions, and society in general.
- h- Determine the needs necessary to engage in the development process.
- i- The ability to use available techniques, skills and tools necessary to design computer systems.

## **computer Sciences CS**

- j- The ability to apply mathematical foundations, algorithmic principles, and computer science theory in modeling and designing computer systems, including the best available options.
- k- The ability to apply the foundations of design and development to build appropriate software systems.

## **Information systems IS**

- j- Understanding the procedures that support the process of organizing and communicating information systems within the specific environment.

### **Information technology IT**

- j- The ability to use basic information systems techniques.
- k- The ability to identify and analyze the needs of beneficiaries and take them into account in selecting, creating, evaluating and managing computer systems.
- l- The ability to solve beneficiaries' problems through information systems appropriate to the beneficiaries' environment.
- m- Understanding the best standards and procedures and their appropriate uses in the work environment.
- n- The ability to actively participate and plan projects.

Curriculum skills chart																								
Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation																								
Learning outcomes required from the program																								
Transferable general and qualifying skills (Other skills related to employability and personal development)				Emotional and value goals				Skills objectives of the program				Cognitive objectives								Basic Or optional	Course Name	Course Code	Year/level	
Dr..4	Dr..3	Dr..2	Dr..1	C.4(n/IT)	C.3(f)	C.2(e)	C.1(d)	B.4(q/BI)	B.3(k/CS)	B.2(j/IT)	B.1(i)	a.9(p/BI)	a.8(o/BI)	a.7(m/IT)	a.6(l/IT)	a.5(h)	a.4(g)	a.3(c)	a.2(b)	a.1(a)				
✓	✓	✓	✓		✓		✓				✓								✓	✓	Basic	Mathematics I	MAT 2110	The first stage (first course)
			✓	✓			✓				✓	✓							✓	✓	Basic	Digital Systems Design I	MTE 2111	
			✓	✓			✓				✓	✓							✓	✓	Basic	Electrical Circuits Analysis I	MTE 2112	The first stage (first course)
			✓	✓			✓	✓	✓		✓	✓			✓				✓	✓	Basic	Programming with C++ I	PRL 2113	
	✓						✓				✓	✓		✓						✓	Basic	Engineering Drawing	DRW 2114	The first stage (first course)
		✓					✓												✓	✓	Basic	Human Rights	HRS 2115	
		✓					✓													✓	Basic	English Language I	ENL 2116	The first stage (first course)
		✓					✓													✓	Basic	Arabic Language	ARL 2117	

Curriculum skills chart																								
Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation																								
Learning outcomes required from the program																								
Transferable general and qualifying skills (Other skills related to employability and personal development)				Emotional and value goals				Skills objectives of the program				Cognitive objectives								Basic Or optional	Course Name	Course Code	Year/level	
Dr..4	Dr..3	Dr..2	Dr..1	C.4(n/IT)	C.3(f)	C.2(e)	C.1(d)	B.4(q/BI)	B.3(k/CS)	B.2(j/IT)	B.1(i)	a.9(p/BI)	a.8(o/BI)	a.7(m/IT)	a.6(l/IT)	a.5(h)	a.4(g)	a.3(c)	a.2(b)	a.1(a)				
✓	✓	✓	✓		✓		✓				✓								✓	✓	Basic	Mathematics II	MAT 2120	The first stage (first course)
			✓	✓			✓				✓	✓							✓	✓	Basic	Digital Systems Design II	MTE 2121	
			✓	✓			✓				✓	✓							✓	✓	Basic	Electrical Circuits Analysis II	MTE 2122	The first stage (first course)
			✓	✓			✓	✓	✓		✓	✓			✓						Basic	Programming with C++ II	PRL 2123	
	✓						✓		✓	✓	✓	✓	✓						✓	✓	Basic	Sound and Audio Technology	MTE 2124	The first stage (first course)
		✓					✓				✓	✓							✓	✓	Basic	Freedom & Democracy	FRD 2125	
		✓					✓													✓	Basic	English Language II	ENL 2126	The first stage (first course)
		✓					✓													✓	Basic	Computer fundamentals	MTE 2127	

Curriculum skills chart																										
Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation																										
Learning outcomes required from the program																										
General and qualifying transferable skills (other skills related to employability and personal development)				Emotional and value goals			Skills objectives of the program					Cognitive objectives										Basic Or optional	Course Name	Course Code	Year/level	
																										Dr-4
✓	✓	✓	✓		✓		✓				✓										✓	✓	Basic	Engineering Mathematics I	MAT 2210	Second Year (first course)
	✓						✓				✓	✓									✓	✓	Basic	Electronics I	MTE 2211	Second Year (first course)
		✓				✓	✓			✓	✓	✓									✓	✓	Basic	Film and Video Technology I	MTE 2212	Second Year (first course)
			✓	✓			✓	✓			✓	✓					✓						Basic	Object oriented programming I	PRL 2213	Second Year (first course)
	✓			✓			✓	✓			✓	✓	✓								✓	✓	Basic	Computer Networks	MTE 2214	Second Year (first course)
														✓								✓	Basic	Electromagnetic Fields	MTE 2215	Second Year (first course)
	✓						✓				✓					✓					✓	✓	Basic	Microprocessors	MTE 2216	Second Year (first course)

Curriculum skills chart																										
Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation																										
Learning outcomes required from the program																										
General and qualifying transferable skills (other skills related to employability and personal development)				Emotional and value goals			Skills objectives of the program					Cognitive objectives										Basic Or optional	Course Name	Course Code	Year/level	
																										Dr-4
✓	✓	✓	✓		✓		✓				✓										✓	✓	Basic	Engineering Mathematics II	MAT 2220	Second Year (Second course)
	✓						✓				✓	✓									✓	✓	Basic	Electronics II	MTE 2221	Second Year (Second course)
		✓				✓	✓			✓	✓	✓									✓	✓	Basic	Film and Video Technology II	MTE 2222	Second Year (Second course)
			✓	✓			✓	✓			✓	✓				✓							Basic	Object Oriented programming II	PRL 2223	Second Year (Second course)
				✓							✓										✓		Basic	Control Systems	MTE 2224	Second Year (Second course)
✓	✓	✓	✓		✓		✓				✓										✓	✓	Basic	Statistics and Probability	STP 2226	Second Year (Second course)
		✓				✓	✓								✓					✓	✓	✓	Basic	Media Laws and Ethics	ETH 2227	Second Year (Second course)

Curriculum skills chart																								
Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation																								
Learning outcomes required from the program																								
General and qualifying transferable skills (other skills related to employability and personal development)				Emotional and value goals				Skills objectives of the program				Cognitive objectives								Basic Or optional	Course Name	Course Code	Year/level	
Dr.4	Dr.3	Dr.2	Dr.1	C.4(n/IT)	C.3(f)	C.2(e)	C.1(d)	B.4(q/BI)	B.3(k/CS)	B.2(j/IT)	B.1(i)	a.9(p/BI)	a.8(o/BI)	a.7(m/IT)	a.6(l/IT)	a.5(h)	a.4(g)	a.3(c)	a.2(b)	a.1(a)				
				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Embedded Systems I	MTE 2310	Third Year (first course)
	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Communication Fundamentals	MTE 2311	Third Year (first course)
				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Digital Signal Processing	MTE 2312	Third Year (first course)
								<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Web Engineering	WEB 2313	Third Year (first course)
					<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Virtual Reality	VIR 2314	Third Year (first course)
												<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Information Theory & Coding	MTE 2315	Third Year (first course)
		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Antenna and Wave Propagation	MTE 2316	Third Year (first course)
																					Basic			

Curriculum skills chart																								
Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation																								
Learning outcomes required from the program																								
General and qualifying transferable skills (other skills related to employability and personal development)				Emotional and value goals				Skills objectives of the program				Cognitive objectives								Basic Or optional	Course Name	Course Code	Year/level	
Dr.4	Dr.3	Dr.2	Dr.1	C.4(n/IT)	C.3(f)	C.2(e)	C.1(d)	B.4(q/BI)	B.3(k/CS)	B.2(j/IT)	B.1(i)	a.9(p/BI)	a.8(o/BI)	a.7(m/IT)	a.6(l/IT)	a.5(h)	a.4(g)	a.3(c)	a.2(b)	a.1(a)				
				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Embedded Systems II	MTE 2320	Third Year (Second course)
	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Digital Communications	MTE 2321	Third Year (Second course)
				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Digital Image Processing	MTE 2322	Third Year (Second course)
								<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Multimedia Systems	MTE 2323	Third Year (Second course)
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Human Computer Interaction	HCI 2324	Third Year (Second course)
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Computer Networks Protocols	MTE 2325	Third Year (Second course)
		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Basic	Editing and digital effects	MTE 2326	Third Year (Second course)
																					Basic			

Curriculum skills chart																									
Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation																									
Learning outcomes required from the program																									
General and qualifying transferable skills (other skills related to employability and personal development)				Emotional and value goals				Skills objectives of the program				Cognitive objectives								Basic Or optional	Course Name	Course Code	Year/level		
Dr. 4	Dr. 3	Dr. 2	Dr. 1	C.4(n/IT)	C.3(t)	C.2(e)	C.1(d)	B.4(q/BI)	B.3(k/CS)	B.2(j/IT)	B.1(i)	a.9(p/BI)	a.8(o/BI)	a.7(m/IT)	a.6(l/IT)	a.5(h)	a.4(g)	a.3(c)	a.2(b)	a.1(a)					
✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓				✓	✓	✓	Basic	Project I	PRJ 2410	the fourth year (first course)
✓						✓			✓	✓	✓								✓	✓	✓	Basic	Satellite Communications	MTE 2411	the fourth year (first course)
	✓								✓	✓	✓								✓	✓	✓	Basic	Wireless and Mobile Communications	MTE 2412	the fourth year (first course)
				✓				✓		✓								✓	✓	✓	✓	Basic	Computer Networks Administration	MTE 2413	the fourth year (first course)
									✓	✓		✓						✓	✓		✓	Basic	Cloud computing	MTE 2414	the fourth year (first course)
✓				✓			✓	✓				✓	✓	✓	✓	✓			✓			Basic	Project Management I	PMT 2415	the fourth year (first course)
																						Basic			
																						Basic			

Curriculum skills chart																									
Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation																									
Learning outcomes required from the program																									
General and qualifying transferable skills (other skills related to employability and personal development)				Emotional and value goals				Skills objectives of the program				Cognitive objectives								Basic Or optional	Course Name	Course Code	Year/level		
Dr. 4	Dr. 3	Dr. 2	Dr. 1	C.4(n/IT)	C.3(t)	C.2(e)	C.1(d)	B.4(q/BI)	B.3(k/CS)	B.2(j/IT)	B.1(i)	a.9(p/BI)	a.8(o/BI)	a.7(m/IT)	a.6(l/IT)	a.5(h)	a.4(g)	a.3(c)	a.2(b)	a.1(a)					
✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓				✓	✓	✓	Basic	Project II	PRJ 2420	the fourth year (Second course)
									✓	✓	✓								✓	✓	✓	Basic	Broadcast Systems Engineering	MTE 2421	the fourth year (Second course)
✓						✓			✓	✓	✓								✓	✓	✓	Basic	SNG Satellite News Gathering	MTE 2422	the fourth year (Second course)
				✓					✓	✓								✓	✓		✓	Basic	Information Security	MTE 2423	the fourth year (Second course)
				✓					✓	✓								✓	✓		✓	Basic	Social Media Technology	MTE 2424	the fourth year (Second course)
✓				✓			✓	✓				✓	✓	✓	✓	✓			✓			Basic	Project Management II	PMT 2425	the fourth year (Second course)
																						Basic			
																						Basic			



