وزارة التعليم العالي والبحث العلمي
جهاز الاشراف والتقويم العلمي
دائرة ضمان الجودة والاعتماد الاكاديمي

دليل وصف البرنامج الاكاديمي

والوصف الدراسي

(مسار بولونيا)

2026-2025

جامعة بابل /كلية تكنلوجيا المعلومات/ قسم شبكات المعلومات

وصف البرنامج الأكاديمي

اسم الجامعة: جامعة بابل

الكلية/ المعهد: كلية تكنولوجيا المعلومات

القسم العلمي: قسم شبكات المعلومات

اسم البرنامج الأكاديمي او المهني: بكالوريوس شبكات المعلومات

اسم الشهادة النهائية: بكالوريوس شبكات المعلومات

النظام الدراسي:مسار بولونيا

تاريخ اعداد الوصف: 01/03/2026

تاريخ ملء الملف: 15/03/2026

التوقيع:

اسم رئيس القسم: أ.د .الحارث عبدالكريم عبدالله

التاريخ: ٥/٥/٢٠٢٦

التوقيع:

اسم المعاون العلمي: أ.د .ايمان صالح الشمري

التاريخ:

دقق الملف من قبل

شعبة ضمان الجودة والأداء الجامعي

اسم مدير شعبة ضمان الجودة والأداء الجامعي: نورس نصرالله خضير

التاريخ

التوقيع

مصادقة السيد العميد

أ.د وسام سمير بهية

1. رؤية البرنامج

أن يكون قسم شبكات المعلومات رائدا في مجال التعليم والبحث العلمي على المستوى المحلي والدولي، من خلال توفير بيئة تعليمية متميزة تواكب أحدث التطورات التقنية في شبكات المعلومات والاتصالات. لذلك نسعى إلى إعداد كوادر مؤهلة وقادرة على تطوير وإدارة الشبكات المعقدة، مع التركيز على تعزيز المهارات العملية والابتكارية لدى الطلاب. كما نهدف إلى تعزيز التعاون مع الصناعة والمجتمع الأكاديمي لتحقيق تقدم مستدام في مجال تكنولوجيا المعلومات والشبكات، والمساهمة الفعّالة في خدمة المجتمع وتنمية الاقتصاد الرقمي

2. رسالة البرنامج

يعنى قسم شبكات المعلومات بتزويد الطلاب بالمعرفة الأكاديمية والمهارات العملية اللازمة لفهم وإدارة شبكات المعلومات المعقدة، بما يواكب أحدث الابتكارات والتقنيات في هذا المجال. نسعى لتزويد الطلاب بأساسيات التصميم، التنفيذ، والصيانة لشبكات الحاسوب، ورفع مستوى قدرتهم على مواجهة التحديات التكنولوجية المتسارعة في عصر التحول الرقمي. كما يلتزم القسم بتعزيز البحث العلمي الموجه نحو تقديم حلول مبتكرة لمشاكل الشبكات، وتعزيز التعاون مع الصناعة لتوفير بيئة تعليمية تطبيقية، تحقق تميز الخريجين وتمكينهم من الاندماج الفاعل في سوق العمل.

3. اهداف البرنامج

١- توفير برامج تعليمية متطورة ومتوافقة مع أحدث معايير التعليم في مجال شبكات المعلومات، مع التركيز على تطوير مهارات الطلاب في التصميم، التنفيذ، والإدارة الفعالة للشبكات..

٢- تشجيع البحث العلمي في مجالات شبكات المعلومات والاتصالات، ودعم المشاريع البحثية التي تساهم في تطوير حلول مبتكرة للتحديات التقنية المعاصرة..

٣- تقديم التدريب العملي والتطبيقات الواقعية التي تتيح للطلاب اكتساب الخبرات اللازمة لمواجهة تحديات السوق والعمل في بيئات شبكية متقدمة.

٤- تأهيل الطلاب للحصول على شهادات دولية معترف بها في مجالات الشبكات، مثل (CCNA, CompTIA) وغيرها من الشهادات المهنية التي تزيد من فرصهم في سوق العمل.

٥- تطوير علاقات تعاون مع المؤسسات المحلية والدولية لتقديم الاستشارات والتدريب المهني في مجال شبكات المعلومات.

٦- بناء شراكات استراتيجية مع الشركات والمؤسسات الصناعية لتوفير فرص تدريب للطلاب وتبادل المعرفة في مجال تكنولوجيا الشبكات..

٧- متابعة أحدث التقنيات والتطبيقات في مجال شبكات المعلومات مثل شبكات الذكاء الاصطناعي، امن الشبكات السيبراني، الحوسبة السحابية، تطبيقات الموبايل، وبرمجة المواقع، وتضمينها في المناهج الدراسية والأنشطة البحثية..

٨- تحفيز التفكير الإبداعي والابتكار في تصميم الشبكات والبنى التحتية التقنية لضمان استدامة التطوير المستمر في المجال

4. الاعتماد البرامجي
لا يوجد

5. المؤثرات الخارجية الأخرى
لا يوجد

6. هيكلية البرنامج

هيكل البرنامج	عدد المقررات	وحدة دراسية	النسبة المئوية	ملاحظات *
متطلبات المؤسسة	26	60		اساسي – ثانوي
متطلبات الكلية	4			
متطلبات القسم	لايوجد			
التدريب الصيفي	يوجد			
أخرى				

* ممكن ان تتضمن الملاحظات فيما اذا كان المقرر أساسي او اختياري .

7. وصف البرنامج

السنة / المستوى	رمز المقرر أو المساق	اسم المقرر أو المساق	الساعات المعتمدة	
			نظري	عملي
First semester				
2025-2026 / الاولى	IN1101	Computer Networks Fundamentals I	3	2
2025-2026 / الاولى	IN1102	Computer Science Fundamentals	4	0
2025-2026 / الاولى	IN1103	Programming Fundamentals I	2	2
2025-2026 / الاولى	IN1104	Logic Design	2	2

0	3	Mathematics	IN1105	2026-2025 / الاولى
0	2	Arabic	UoBAB1102	2026-2025 / الاولى
0	2	Democracy and Human Rights	UoBAB1104	2026-2025 / الاولى
2	4	Computer Networking and Communication I	IN2301	2026-2025 / الثانية
2	3	fundamentals of Mobile Programming	IN2302	2026-2025 / الثانية
2	3	Introduction to Database Systems	IN2303	2026-2025 / الثانية
2	2	Web Page Design	IN2304	2026-2025 / الثانية
0	3	Information Theory and Coding	IN2315	2025-2024 / الثانية
0	2	English Language II	UOBAB2302	2025-2024 / الثانية
Second Semester				
2	3	Computer Networks Fundamentals II	IN1211	2026-2025 / الاولى
2	4	Computer Organization and Architecture	IN1202	2026-2025 / الاولى
2	4	Programming Fundamentals II	IN1213	2026-2025 / الاولى
0	3	Discrete structures	IN1204	2026-2025 / الاولى
0	3	Probability and Statistics	IN1205	2026-2025 / الاولى
0	2	English Language I	UoBAB1101	2026-2025 / الاولى
2	4	Computer Networking and Communication II	IN2411	2026-2025 / الثانية
2	3	Object Oriented Programming (Java)	IN2412	2026-2025 / الثانية
2	3	Distributed Database	IN2413	2026-2025 / الثانية
2	2	Dynamic HTML	IN2414	2026-2025 / الثانية
0	3	Digital Signal Processing	IN2405	2026-2025 / الثانية
0	2	Ba'ath System Crimes In Iraq	UOBAB2301	2026-2025 / الثانية
0	2	Arabic	UOBAB2402	2026-2025 / الثانية
2	4	Network Routing and Switching	IN3501	2026-2025 / الثالثة
2	3	Operating Systems	IN3502	2026-2025 / الثالثة
-	3	Wireless Networks	IN3513	2026-2025 / الثالثة

2	3	Web Programming	IN3504	الثالثة / 2026-2025
2	1	Group Project I	IN3505	الثالثة / 2026-2025
-	3	Information Security	IN3506	الثالثة / 2026-2025
-	3	Principles of Cloud Computing	IN3601	الثالثة / 2026-2025
2	4	Network Operating Systems	IN3612	الثالثة / 2026-2025
-	2	Planning For Information Networks	IN3603	الثالثة / 2026-2025
2	3	Web Development	IN3614	الثالثة / 2026-2025
2	1	Group Project II	IN3615	الثالثة / 2026-2025
2	4	Network Security	IN3616	الثالثة / 2026-2025

8. مخرجات التعلم المتوقعة للبرنامج	
المعرفة	
1- تكنولوجيا المعلومات. 2-علوم الحاسوب. 3-شبكات المعلومات. 4- الحوسبة السحابية 5- أنترنت الاشياء.	
المهارات	
1– إدارة الشبكات 2–امنية الشبكات 3 – برمجة مواقع الانترنت 4 – الحوسبة السحابية 5- الشبكات المعرفة برمجيا	
القيم	
تنمية قدرات الطلبة على مشاركة الأفكار	

9. استراتيجيات التعليم والتعلم
1- Discussion lecture onlineLectures 2- Tutorial 3- Assignment

10. طرائق التقييم
1- Active participation, homework assignments, results, and attendance, 2- Quizzes,

3- Assessments, 4-Exams.

الرتبة العلمية	التخصص		المتطلبات/المهارات الخاصة (ان وجدت)		اعداد الهيئة التدريسية	
	عام	خاص			ملاك	محاضر
استاذ	هندسة كهربائية والكترونية				2	
استاذ	احصاء				1	
استاذ	علوم حاسبات				2	
استاذ	لغات لغة انكليزي				1	
استاذ مساعد	علوم حاسبات				11	
مدرس	علوم حاسبات				10	
مدرس	هندسة كهربائية والكترونية				1	
مدرس	تربية رياضيات				1	
مدرس مساعد	علوم حاسبات				4	
مدرس مساعد	شبكات المعلومات				4	
مدرس مساعد	تربية رياضيات				1	
مدرس مساعد	هندسة الكترونيك واتصالات				2	
مدرس مساعد	هندسة تقنية اتصالات				1	

التطوير المهني
توجيه أعضاء هيئة التدريس الجدد
متوفر عن طريق دورات اقيمت في التعليم المستمر لرئاسة جامعة بابل
التطوير المهني لأعضاء هيئة التدريس
متوفر عن طريق مجموعة من الدورات من قبل الكلية للاختصاص الدقيق

11. معيار القبول
قبول مركزي وفقا لمستوى الطالب في الدراسة الاعدادية وعدد المتقدمين الى الكلية.

12. أهم مصادر المعلومات عن البرنامج
1مجانية التعليم 2-مكتبة الكلية 3-الانترنت 4- الكتب الالكترونية

13. خطة تطوير البرنامج
- استخدام المفاهيم الجديدة في مجال شبكات المعلومات.

مخطط مهارات البرنامج																
			مخرجات التعلم المطلوبة من البرنامج													
السنة/ المستوى	رمز المقرر	اسم المقرر	اساسي /اختياري	المعرفة				المهارات				القيم				
				أ1	أ2	أ3	أ 4	ب 1	ب 2	ب 3	ب4	ج 1	ج2	ج3	ج 4	
2026-2025 /الاولى	IN1101	Computer Networks Fundamentals I	اساسي	*	*	*	*	*	*	*	*	*	*	*	*	
	IN1102	Computer Science Fundamentals	اساسي	*	*	*	*	*	*	*	*	*	*	*	*	
	IN1103	Programming Fundamentals I	اساسي	*	*	*	*	*	*	*	*	*	*	*	*	
	IN1104	Logic Design	اساسي	*	*	*	*	*	*	*	*	*	*	*	*	
	IN1105	Mathematics	اساسي	*	*	*	*	*	*	*	*	*	*	*	*	
	UoBAB1102	Arabic	اساسي	*	*	*	*	*	*	*	*	*	*	*	*	
2026-2025	UoBAB1104	Democracy and Human Rights	اساسي	*	*	*	*	*	*	*	*	*	*	*	*	

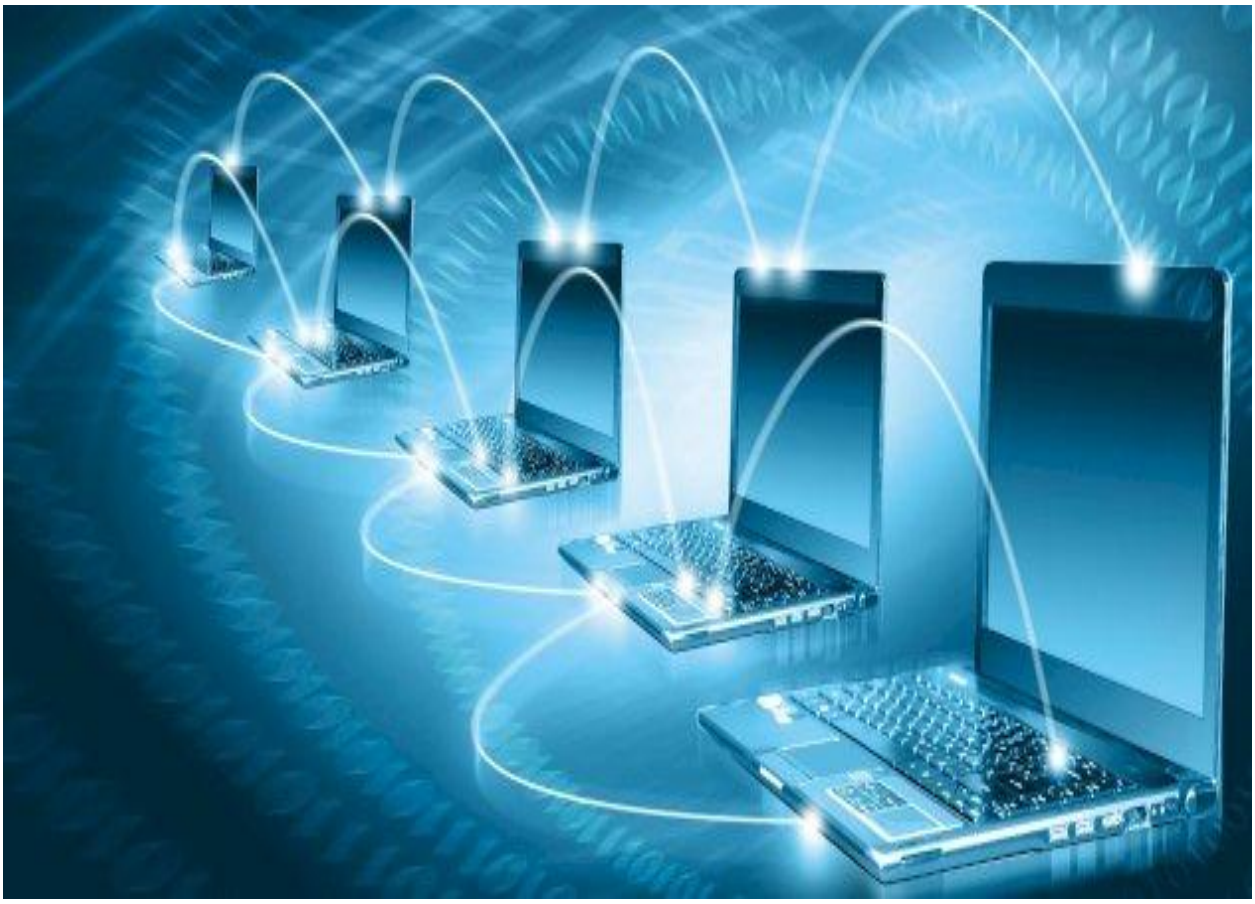
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Computer Networking and Communication I	IN1211	/الاولى
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	fundamentals of Mobile Programming	IN120 2	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Introduction to Database Systems	IN1213	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Web Page Design	IN1204	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Information Theory and Coding	IN1205	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	English Language II	UoBAB1101	2025-2026 الثانية
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**Computer Networks Fundamentals II**	IN2301	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**Computer Organization and Architecture**	IN2302	

*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**Programming Fundamentals II**	IN2303	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**Discrete structures**	IN2304	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**Probability and Statistics**	IN2315	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**English Language I**	UOBAB2302	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**Dynamic HTML**	IN2414	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**Digital Signal Processing**	IN2405	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	**Ba'ath System Crimes In Iraq**	UOBAB2301	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Network Routing and Switching	IN3501	2025-2026 الثالثة
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Operating Systems	IN3502	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Wireless Networks	IN3513	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Web Programming	IN3504	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Group Project I	IN3505	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Information Security	IN3506	

*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Principles of Cloud Computing	IN3601	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Network Operating Systems	IN3612	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Planning For Information Networks	IN3603	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Web Development	IN3614	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Group Project II	IN3615	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي	Network Security	IN3616	
*	*	*	*	*	*	*	*	*	*	*	*	اساسي			

*يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقيم

Ministry of Higher Education and Scientific Research
University of Babylon- College of Information Technology
Department of Information Technology



Academic Program Description

Unive rsity Name: **University of Babylon**
College / Institute : **College of Information Technology**
Academic Department: Information Networks Department
Academic or Professional Program Name: **Bachelor of Science in Information Networks**
Final Award Name: (B.Sc in information Networks)
based-mester:**Bologna Process**
2026/03/01 : **2026/03/01**Date Description Prepared
2026/03/15: **2026/03/15**Date Form Completed

Signature:

Associate Dean for ScientificAffairs: Eman Salih Al-Shamery.

Date:

Signature

Head of Department: Al harith A Abdullah

Date 5 May 2026

Reviewed by
Quality Assurance and University Performance Unit
Name of the Director of the Quality Assurance and University Performance Unit:

Date:
Signature:

Dean Approval
Prof.Dr. Wisam Sameer Bahiyah

Introduction

The College of Information Technology was established in 2009 and includes the following academic departments: Information Networks, Software, and Information Security. The profession of information technology in the field of information networks is among the most challenging and rewarding professions in the modern era because of its significant role in bridging digital gaps in communities that lack modern technology, whether in correspondence and communication, network design, website development, or data and network security. This technology has become integral to all aspects of scientific, educational, social, economic, and family life.

The Information Networks Department is concerned with studying the techniques and methods through which information and software are handled, analyzed, and processed using computers and computer networks. The College follows a semester-based system of study over four academic years.
Since its establishment, the Department has undertaken the implementation of a comprehensive quality management system and programmatic accreditation. Although preparing qualified personnel for this purpose requires time, the Department has continued to work toward this goal until obtaining certification of conformity.

The purpose of this report is to introduce changes that contribute to raising the level of performance, reinforcing strengths, and addressing weaknesses through work that fulfills the national institutional accreditation standards for higher education institutions approved by the Ministry. It also provides a comprehensive overview of the activities, services, and educational programs offered by the College; identifies student levels and ways to advance the educational environment; determines staffing needs and the training courses and development programs required for faculty members; and verifies the quality of the College's outputs and programs in a way that ensures the effectiveness of continuous quality procedures and processes in each specialization, as well as the importance of cooperation among them to achieve and sustain information technology systems and remain prepared for all new developments in this field

1. Program Vision
The College of Information Technology seeks to prepare graduates in the field of information networks to work in government institutions and to apply their specialization in practical and applied contexts.

2.Program Mission

To contribute to achieving the University's objectives in education, research, and community service in the field of information technology in general, and information networks in particular, by providing and developing information resources; offering diverse knowledge, interactive tools, and practical training; and enabling students to design, build, explore, and secure computer networks while preparing them for information technology, communications, and professional networking domains.

3.Program Objectives

-Ensuring that graduates possess up-to-date foundational knowledge in the field of information networks.
- Preparing qualified specialized cadres in information networks in a manner that meets the needs of society.
- Developing and updating the Department's academic plans in line with global developments.
- Increasing attention to and encouragement of students' skills.
- Supporting and encouraging scientific research in information technology.
- Adopting modern technologies appropriate to the needs of society.
- Contributing to community service through disseminating information awareness and providing specialized scientific studies and consultations.

4.Program Accreditation

None at present; efforts are underway to obtain it.

Other External Influences

Summer training within public and private institutions in cooperation with the University.

6.Program structure

Program Component	Number of Courses	Credit Units	Percentage	*Notes
Institution Requirements	13	33		Required
College Requirements	None			
Department Requirements	13			
Summer Training	None			
Other				

* Notes may indicate whether the course is required or elective.

7.Program Description				
Credit Hours		**Course Title**	**Course Code**	**Year / Level**
Practical	**Theoretical**			
First semester				
2	3	Computer Networks Fundamentals I	IN1101	first/ 2026-2025
0	4	Computer Science Fundamentals	IN1102	first / 2026-2025
2	2	Programming Fundamentals I	IN1103	first / 2026-2025
2	2	Logic Design	IN1104	first / 2026-2025
0	3	Mathematics	IN1105	first / 2026-2025
0	2	Arabic	UoBAB1102	first / 2026-2025
0	2	Democracy and Human Rights	UoBAB1104	first / 2026-2025
2	4	Computer Networking and Communication I	IN2301	second / 2026-2025
2	3	fundamentals of Mobile Programming	IN2302	second / 2026-2025
2	3	Introduction to Database Systems	IN2303	second / 2026-2025
2	2	Web Page Design	IN2304	second / 2026-2025
0	3	Information Theory and Coding	IN2315	second / 2026-2025
0	2	English Language II	UOBAB2302	second / 2026-2025
Second Semester				
2	3	Computer Networks Fundamentals II	IN1211	first/ 2026-2025
2	4	Computer Organization and Architecture	IN1202	first / 2026-2025
2	4	Programming Fundamentals II	IN1213	first / 2026-2025
0	3	Discrete structures	IN1204	first / 2026-2025
0	3	Probability and Statistics	IN1205	first / 2026-2025

0	2	English Language I	UoBAB1101	first / 2026-2025
2	4	Computer Networking and Communication II	IN2411	second / 2026-2025
2	3	Object Oriented Programming (Java)	IN2412	second / 2026-2025
2	3	Distributed Database	IN2413	second / 2026-2025
2	2	Dynamic HTML	IN2414	second / 2026-2025
0	3	Digital Signal Processing	IN2405	second / 2026-2025
0	2	Ba'ath System Crimes In Iraq	UOBAB2301	second / 2026-2025
0	2	Arabic	UOBAB2402	second / 2026-2025
2	4	Network Routing and Switching	IN3501	third / 2026-2025
2	3	Operating Systems	IN3502	third / 2026-2025
-	3	Wireless Networks	IN3513	third / 2026-2025
2	3	Web Programming	IN3504	third / 2026-2025
2	1	Group Project I	IN3505	third / 2026-2025
-	3	Information Security	IN3506	third / 2026-2025
-	3	Principles of Cloud Computing	IN3601	third / 2026-2025
2	4	Network Operating Systems	IN3612	third / 2026-2025
-	2	Planning For Information Networks	IN3603	third / 2026-2025
2	3	Web Development	IN3614	third / 2026-2025
2	1	Group Project II	IN3615	third / 2026-2025
2	4	Network Security	IN3616	third / 2026-2025

8.Expected Program Learning Outcomes

Knowledge

1.Core Technical Knowledge
-Comprehensive understanding of networking concepts, including the OSI and TCP/IP model layer
-Familiarity with hardware fundamentals such as routers, switches, and servers.

2.Network Design Skills
-Ability to design and plan effective networks that meet institutional needs.
-Ability of using the appropriate tools to implement network designs and analyze performance.

3. Network Administration

-Acquire network administration skills, including configuration and maintenance.
-Understand how to monitor and analyze network performance and address technical issues.

4. Cybersecurity
-Ability to apply security principles in networks, including configuring firewalls and preventive systems.
-Evaluation of vulnerabilities and conduct of network stress and penetration-related testing.

5. Communication and Collaboration
-Ability to work effectively in multidisciplinary teams.
-Strong communication skills, including report writing and participation in presentations.

6. Problem Solving and Data Analysis
-Organization and analysis of data for evidence-based decision-making.
-Development of analytical skills to identify and solve network problems efficiently.

7. Professional Orientation and Lifelong Learning
-Recognition of the importance of continuous learning and following technological developments i networking.
-Preparation of students for relevant professional certifications such as Cisco CCNA and CompTIA Network+.

8. Practical Skills
-Participation in applied projects that strengthen practical understanding and experience.
-Completion of field training related to the specialization and providing opportunities to work in real environments.

Skills

1. Technical Skills
-Understanding networking protocols such as TCP/IP, UDP, and HTTP.
-Managing network devices, including configuring and administering routers, switches, and access points.
-Designing networks by assessing needs and ensuring effective performance.

2. Cybersecurity
-Applying effective security strategies to protect networks against threats.
-Identifying vulnerabilities and conducting the necessary analyses.

3. Problem-Solving Skills
-Diagnosing network problems and developing effective solutions.
-Developing logical and critical thinking skills to solve complex problems.

4. Analysis and Planning Skills
-Analyzing network performance using monitoring tools and reports.
-Preparing network designs based on available data and analysis.

5. Communication and Teamwork
-Writing clear and effective technical reports related to networking.
-Working in multidisciplinary teams and communicating effectively with colleagues and clients.

6. Continuous Learning and Adaptation
Keeping pace with the latest technologies and trends in networking.
Understanding the requirements of certifications such as CCNA and CompTIA Network+ and preparing to obtain them.

7. Practical Skills
Conducting practical laboratory exercises and applying theoretical knowledge.
Gaining hands-on experience through training in technology companies or institutions.

Values

1. Professionalism1
-Commitment to the highest standards of work and achievement, contributing to a strong professional reputation.

2. Innovation
-Promotion of creative thinking and flexibility in dealing with technical challenges, encouraging the development of new and effective solutions.

3. Ethics and Teamwork
-Appreciation of cooperation with colleagues and adoption of teamwork principles, thereby strengthening team capability and improving task completion.

4. Responsibility
-Assuming responsibility for decisions and outcomes related to networks, helping to build trust with clients and colleagues.

5. Lifelong Learning
-Belief in the importance of self-learning and seeking new knowledge to keep pace with technological developments.

6. Respect and Understanding
-Respecting the perspectives and cultures of others while working in multicultural environments.

7. Flexibility and Adaptability
-Ability to adapt to rapid changes in information technology and work under pressure.

8. Pursuit of Excellence
-Valuing the expansion of skills and knowledge and striving to achieve excellent results in every project.
9. Community Engagement
-Recognizing the added value of participating in community activities and contributing to

technological development in service of society.
10. Ethical Guidance
-Ability to make ethical decisions in matters of security and privacy within networks while complying with standards and laws.

Teaching and Learning Strategies

1. Project-Based Learning
- Implementation of practical projects that reflect real challenges in the networking field, thereby enhancing problem-solving and applied skills.
2. Practical Lessons and Workshops
- Provision of learning environments for practicing technical skills using modern equipment and software, helping students acquire practical experience.
3. Collaborative Learning
- Encouraging teamwork among students through group activities for problem-solving or project implementation, which strengthens communication and cooperation.
4. Blended Learning
- Integrating traditional teaching with e-learning, giving students access to educational resources through digital platforms.
5. Case Studies
- Using real-world case studies to help students understand networking applications and confront challenges.
6. Self-Learning Methodologies
- Encouraging students to research and learn independently about topics of interest, thereby enhancing their self-learning abilities.
7. Guidance and Supervision
- Providing guidance by teachers or field specialists to help students direct their academic and professional interests.
8. Simulation and Virtual Experiments
- Using simulation software to develop network configuration and troubleshooting skills without the need for physical hardware.
9. Academic Advising
- Supporting students in selecting appropriate academic and professional pathways through advisory sessions.
10. Continuous Assessment and Evaluation
- Using periodic tests and ongoing evaluations to monitor students' progress and identify areas requiring improvement.
11. Game-Based Learning
- Using educational games to teach networking concepts in enjoyable and engaging ways that facilitate understanding and retention.

Assessment Methods
-Short quizzes -In-class discussions -Homework assignments - Semester examinations (practical and theoretical) -Small in-class projects - Graduation project follow-up

Staff Details

Head of Department: Prof. Dr. Al-Harith Abdul Karim Abdullah

Information on Faculty Members

No.	Academic Rank	Full Name	Degree	General Specialization	Remarks
.1	Professor	Al-Hareth Abdul Kareem Abdullah	PhD	Electrical Engineering	Head of Department
2	Professor	Huda Nagy Nawaf Omran Al-Maamouri	PhD	Computer Science	
3	Professor	Saad Taleb Hassoun Al-Jubouri	PhD	Electrical Engineering	
4	Assistant Professor	Nofal Turki Ubaid	PhD	Computer Science	
5	Assistant Professor	Ahmed Mahdi Mohammad Saeed Al-Saleh	PhD	Computer Science	
6	Assistant Professor	Alaa Al-Din Abbas Abdul Hassan	PhD	Computer Science	Undergraduate Department Coordinator
7	Professor	Shahla Abdul-Kadhim Hadi Jassim	MA	English	
8	Assistant Professor	Mohammad Hussein Jawad Aboud Al-Hassnawi	PhD	Computer Science	
9	Assistant Professor	Souad Abdul-Ilah Abdul-Hussein Mohammad Al-Asadi	PhD	Computer Science	
9	Assistant Professor	Mahdi Saleh Naama Mousa Al-Mahna	PhD	Computer Science	

	Mathematics	PhD	Hussein Abdul-Wasi Hussein Al-Husseini	Lecturer	10
Postgraduate Department Coordinator	Computer Science	PhD	Alaa Shouqi	Lecturer	11
	Computer Science	phD	Anwar Jaafar Mousa	Lecturer	12
	Computer Science	PhD	Hassan Haleem Hassan Khudair Al-Rahemi	Lecturer	13
	Computer Science	PhD	Saba Mohammad Hussein Salman Al-Shabeeb	Lecturer	14
	Computer Science	PhD	Tarek Alwan Kazem Mohmied Al-Mershadi	Lecturer	15
	Computer Science	MSc	Hiba Amir Jaber Kazem Al-Khafaji	Lecturer	16
	Computer Science	PhD	George Iskandar Hussein Mousa Ajjam	Lecturer	17
	Computer Science	PhD	Samraah Adnan Abdul-Muslim Jassim Al-Asadi	Lecturer	18
	Computer Science	MSc	Sarah Kadhim Idris Hassoun Al-Saadi	Assistant Lecturer	19
	Telecommunications	MSc	Ola Ali Ubaid Kadhim	Assistant Lecturer	20
	Electrical Engineering and Electronics	PhD	Alaa Hammoud Abdul-Jarrah Al-Khafaji	Assistant Lecturer	21
	Mathematics	MSc	Iman Daakhil Eidhan Dhahi Saidi	Assistant Lecturer	22

	Computer Science	MSc	Bashar Hamed Hassan Zahir Taj Al-Din	Assistant Lecturer	23
	Computer Science	MSc	Mohammad Khudir Mahdi Al-Jubouri	Assistant Lecturer	24
	Mathematics	MSc	Nadia Ali Abbas Hussein	Assistant Lecturer	25

Professional Development
1. Personal development and leadership skills: Provide training in management, communication, and leadership skills to enhance faculty members' ability to guide students and manage classrooms efficiently. 2. Use of technology in teaching: Encourage the use of e-learning tools, applications, and multimedia to improve the learning experience and student engagement. 3. Evaluation of academic performance: Establish a comprehensive evaluation system to measure faculty performance and introduce the necessary improvements based on feedback and outcomes. 4. Development of communication skills: Strengthen faculty members' effective communication skills to ensure positive interaction with students and effective transfer of knowledge.
Professional Development of Faculty Members
1. Continuous training: Professional development programs should be provided for faculty members, including workshops and training courses in the latest networking and technology techniques. 2. Continuous curriculum updating: Curricula should be reviewed and updated regularly to keep pace with rapid developments in information technology and networks. 3. Promotion of scientific research: Encourage faculty members to conduct research in new and emerging fields of networking and to participate in scientific conferences. 4. Collaboration with industry: Establish partnerships with companies and private-sector institutions to provide training and practical opportunities that help faculty members keep pace with market needs and apply theoretical knowledge. 5. Participation in academic communities: Encourage faculty members to join associations and specialized organizations in information technology in order to share knowledge and communicate with peers in similar fields.

1.Admission Criterion
Central admission according to the student's level in secondary education and the number of

applicants to the College.

2.Most Important Sources of Information about the Program
-Tuition-free education -College Library - Internet Access -Digital Library and E-books

Program Development Plan

1.Updating the Curriculum

- Review current curricula and update them to include the latest technologies such as cloud computing, cybersecurity, and the Internet of Things (IoT).
- Integrate new subjects by adding courses in high-demand specializations such as artificial intelligence and data analysis.

2. Developing Faculty Members' Skills

- Organize specialized periodic workshops for faculty members on the latest trends in education and technology.
- Strengthen international partnerships through exchange of expertise with distinguished universities and academic institutions.

3. Enhancing Students' Practical Experience

- Update technological laboratories and provide modern hardware and software for practical laboratory experiments.
- Cooperate with companies to provide field training and work-based learning opportunities that enhance practical application.

4. Stimulating Scientific Research

- Support students and faculty members in submitting proposals for new research projects.
- Organize periodic conferences and seminars to disseminate research and share knowledge.

5. Enhancing Interaction with Industry

- Develop partnerships with local and international technology companies to make the program more relevant to the labor market.
- Organize seminars and meetings with professionals in the field of information networks to share their experiences and ideas.

6. Continuous Evaluation and Improvement

- Conduct regular surveys of students and graduates to gather their feedback on the program.
- Review program performance periodically and identify areas for improvement..

Program Skills Map															
Required Program Learning Outcomes															
Values				Skills				Knowledge				Required or Elective	Course Name	Course Code	**Year / Level**
C **4**	**3**C	**2**C	C **1**	**4**B	B **3**	B **2**	B **1**	A **4**	**3**A	**2**A	A **1**				
*	*	*	*	*	*	*	*	*	*	*	*	Required	Computer Networks Fundamentals I	IN1101	2026–2025 first /
*	*	*	*	*	*	*	*	*	*	*	*	Required	Computer Science Fundamentals	IN1102	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Programming Fundamentals I	IN1103	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Logic Design	IN1104	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Mathematics	IN1105	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Arabic	UoBAB1102	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Democracy and Human Rights	UoBAB1104	2026–2025

*	*	*	*	*	*	*	*	*	*	*	*	Required	Computer Networking and Communication I	IN1211	first /
*	*	*	*	*	*	*	*	*	*	*	*	Required	fundamentals of Mobile Programming	IN120 2	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Introduction to Database Systems	IN1213	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Web Page Design	IN1204	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Information Theory and Coding	IN1205	
*	*	*	*	*	*	*	*	*	*	*	*	Required	English Language II	UoBAB1101	2025-2026 second
*	*	*	*	*	*	*	*	*	*	*	*	Required	**Computer Networks Fundamentals II**	IN2301	
*	*	*	*	*	*	*	*	*	*	*	*	Required	**Computer Organization and Architecture**	IN2302	
*	*	*	*	*	*	*	*	*	*	*	*	Required	**Programming Fundamentals II**	IN2303	

*	*	*	*	*	*	*	*	*	*	*	*	Required	**Discrete structures**	IN2304	
*	*	*	*	*	*	*	*	*	*	*	*	Required	**Probability and Statistics**	IN2315	
*	*	*	*	*	*	*	*	*	*	*	*	Required	**English Language I**	UOBAB2302	
*	*	*	*	*	*	*	*	*	*	*	*	Required	**Dynamic HTML**	IN2414	
*	*	*	*	*	*	*	*	*	*	*	*	Required	**Digital Signal Processing**	IN2405	
*	*	*	*	*	*	*	*	*	*	*	*	Required	**Ba'ath System Crimes In Iraq**	UOBAB2301	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Network Routing and Switching	IN3501	2025-2026 Third
*	*	*	*	*	*	*	*	*	*	*	*	Required	Operating Systems	IN3502	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Wireless Networks	IN3513	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Web Programming	IN3504	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Group Project I	IN3505	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Information Security	IN3506	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Principles of Cloud Computing	IN3601	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Network Operating Systems	IN3612	

*	*	*	*	*	*	*	*	*	*	*	*	Required	Planning For Information Networks	IN3603	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Web Development	IN3614	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Group Project II	IN3615	
*	*	*	*	*	*	*	*	*	*	*	*	Required	Network Security	IN3616	
*	*	*	*	*	*	*	*	*	*	*	*	Required			

* Please place a mark in the boxes corresponding to the individual program learning outcomes subject to assessment.