

جامعة البلقاء التطبيقية

# Curriculum for Associate Degree in Audiology Technician

The curriculum for associate degree in Audiology Technician consists of (72credit hours) as follows:

Serial No	Requirements	Credit Hours
First	University Requirements	12
Second	Program Requirements	18
Third	Specialization Requirements	42
	Total	72



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### The curriculum for associate degree in Audiology Technician

		Credit	Credit Weekly Contact Ho		D
Course No.	Course Title	Hours	Theoretical	Practical	Prerequisite
22001101	Arabic Language	3	3	-	
22002101	English Language	3	3	-	
21901100	Islamic Culture	3	3	-	
21702101	Computer Skills	3	1	4	
Total		12	10	4	

First: University requirements (12 credit hours) as follows:

Second: Program requirements (18 credit hours) as follow:

Course	Correct Title	Credit	Weekly Co	ntact Hours	D
No.	Course Title	Hours	Theoretical	Practical	Prerequisite
21301123	Medical Physics	3	3	-	
21301131	Biochemistry	2	2	-	
21301132	Biochemistry lab	1	-	3	21301131*
21102111	Anatomy	3	3	-	
21102113	Physiology	3	3	-	21102111*
21102115	Medical sociology	3	3	-	
21102117	Medical terminology	3	3	-	
	Total	18	17	3	



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Third: Speci		Credit	Weekly Contact Hours		-
Course No.	Course Title	Hours	Theoreti cal	Practical	Prerequisite
21126101	Anatomy and Physiology of hearing	3	3	-	
21126111	Fundamental of Acoustics	3	3	-	
21126221	Ear, Nose Throat diseases	3	3	-	
21126231	Adult Audiology	3	3	-	
21126232	Adult Audiology /Practice	2	-	6	21126231*
21126241	Hearing Aids	3	3	-	
21126242	Hearing Aids /Practice	2	-	6	21126241*
21126251	Pediatric Audiology	3	3	-	
21126252	Pediatric Audiology /Practice	2	-	6	21126251*
21126261	Rehabilitation in Audiology	3	3	-	
21126262	Rehabilitation in Audiology/Practice	2	-	6	21126261*
21126271	Industrial Audiology	3	3	-	
21126272	Calibration of Audiology Equipment	3	3	-	
21126273	Calibration of Audiology Equipment/Practice	2	-	6	21126272*
21126281	Introduction to cochlear implantation	2	1	3	
21126200	Training**	3	-	280	
	Total	42	28	33	

Third: Specialization Requirements (42 credit hours) as follows:

\* Co-requisite

\*\* Equivalent to 280 training hours



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### **Guiding Plan**

	First Year					
	First Semester			Second semester		
Course No.	Course Title	Credit Course	Course No.	Course Title	Credit Course	
22001101	Arabic Language 101	3	21301123	Medical Physics	3	
22002101	English Language 101	3	20602113	Physiology	3	
21702101	Computer Skills	3	21901100	Islamic Culture	3	
20602117	Medical Terminology	3	21301131	Biochemistry	2	
20602111	Anatomy	3	21301132	Biochemistry/ Lab	1	
21104215	Medical Sociology	3	21126101	Anatomy and Physiology of hearing	3	
			21126111	Fundamental of Acoustics	3	
	Total	18		Total	18	



	Second Year						
	Third Semester Fourth seme						
Course No.	Course Title	Credit Course	Course No.	Course Title	Credit Course		
21126271	Industrial Audiology	3	21126251	Pediatric Audiology	3		
21126221	Ear, Nose Throat diseases	3	21126252	Pediatric Audiology /Practice	2		
21126241	Hearing Aids	3	21126261	Rehabilitation in Audiology	3		
21126242	Hearing Aids /Practice	2	21126262	Rehabilitation in Audiology/Practice	2		
21126231	Adult Audiology	3	21126272	Calibration of Audiology Equipment	3		
21126232	Adult Audiology /Practice	2	21126273	Calibration of Audiology Equipment/Practice	2		
21126281	Introduction to cochlear implantation	2	21126200	Training	3		
Total 18		18		Total	18		



#### Brief Description for Courses of the Study Plan of Audiology Technician

Course Title	Course No	Credit Hours ( Theoretical /Practical)
Arabic language	22001101	3(3,0)
الصوتية، والصرفية، والنحوية، والبلاغية،	ت اللغوية بمستوياتها وأنظمتها المختلفة:	تتضمن هذه المادة مجموعة من المهارا
ة، وقصصية ، من بينها نماذج من الأدب الأردني؛	ن النصوص المشرقة: قرآنية ، وشعريا	والمعجمية، والتعبيرية، وتشتمل نماذج م
ب الدارسين	يلا أدبيا؛ تنمية الذوق الجمالي لدى الطلاه	يتوخى من قراءتها وتذوقها وتحليلها تحل
English language	22002101	3(3,0)

English 1 is a general course. It covers the syllabuses of listening, speaking, reading, writing, pronunciation and grammar, which are provided in a communicative context. The course is designed for foreign learners of the English language, who have had more than one year of English language study. The extension part would be dealt with in the class situation following the individual differences.

Islamic culture	21901100	3(3,0)				
	معانيها وموضوعاتها والنظم المتعلقة به					
	. مصادر ومقومات الثقافة الإسلامية والأركان والأسس التي تقوم عليها .					
		<ol> <li>خصائص الثقافة الإسلامية</li> </ol>				
	لعلم والإيمان	<ol> <li>الإسلام والعلم ، والعلاقة بين ا</li> </ol>				
	سلامية .	5. التحديات التي تواجه الثقافة الإ				
		6. رد الشبهات التي تثار حول الإ				
	سرعية في إطار الثقافة الإسلامية	7. الأخلاق الإسلامية والأداب الشريقية من المؤالفة المؤالفة المؤالفة المؤالفة المؤلفة المؤالفة المؤلفة المؤالفة المؤلفة المؤالفة المؤالفة المؤلفة				
		<ol> <li>8. النظم الإسلامية .</li> </ol>				
Computer skills	21702101	3(1.4)				

An introduction to computing and the broad field of information technology is given. Topics covered include the basic structure of digital computer system, microcomputer, operating systems, application software, data communication and networks, and the internet. Hands-on learning emphasizes Windows xp, MS-office2000, and the internet.

<b>Medical Physics</b>	21301123	3(3,0)
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This course is designed to acquaint the students with knowledge about forces ad units of forces, energy changes in the body, heat loss from the body, and breathing mechanism. It helps the students acquire knowledge about electric signals of the body, general properties of sound in the body as a drum (percussion in medicine) and vision defects and corrections. Moreover, it makes the students recognize sources of radioactivity, nuclear medicine imaging devices, and the dose in nuclear medicine and therapy with radioactivity.

<b>Biochemistry</b> (Theory)	21301131	2(2,0)			
Biochemistry course introduces the basic essential information to the college students to know the					
biomaterials, which we deal with during over daily activities, classification, chemical structure,					
reactions and how the human body metabolizes such biomolecules work.					



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Biochemistry (lab)         21301132         1(0,2)           This course deals with performing practical applications for the different classes of biomolecules including carbohydrates, lipids and proteins.         3(3,0)           The course deals with structural anatomy of the body as a whole to provide the students with knowledge of the structure of the body of the human being. This course deals all the systems of the body in an attempt to make it easy for the paramedical students to recognize the organs of the body. Physiology         21102113         3(3,0)           This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to bet the student recognize the physiological changes that happen within the human body and how the body systems work.         3(3,0)           Medical sociology         21102115         3(3,0)           Neticeal sociology         21102115         3(3,0)           Neticeal sociology         21102117         3(3,0)           Neticeal sociology         21102117         3(3,0)           This course is designed to develop a working knowledge of the language of medicine to let students whole the provide the students by the various as a phase, thuse is designed to develop a working knowledge of the language of medicine to let students acquire work building skills by learning word roots, suffixes, perfixes and abbreviations. By relating terms to body systems, students should identify the proper use of words in a medical environment. Knowledge of medical terminology enhances the students 'abilit	This course deals with performing practical applications for the different classes of biomolecules including carbohydrates, lipids and proteins. <ul> <li>Anatomy</li> <li>21102111</li> <li>3(3,0)</li> </ul> The course deals with structure of the body of the human being. This course deals all the systems of the body in an attempt to make it easy for the paramedical students to recognize the organs of the budy. Physiology           This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to let the student recognize the physiological changes that happen within the human body and how the body systems work.         Medical sociology       21102115       3(3,0)         it, deficient social set is the student recognize the physiological changes that happen within the human body and how the body systems work. <ul> <li>Medical sociology</li> <li>21102115</li> <li>3(3,0)</li> <li>(itage, lica) the indexity in the comparison of the human body. The body systems is designed to receive the gravital set in the grit body in the part is the design of the body systems is the design of the body systems work.</li> </ul> Medical sociology       21102115       3(3,0)         it, deficient is the provide the student recognize the physiological changes that happen within the human body. The body systems student recognize the physiological changes (budy design of the body systems student recognize the physiological changes (budy design of the body systems student provide the student recognize the physiological changes (bud					
including carbohydrates, lipids and proteins. Anatomy       21102111       3(3,0)         The course deals with structural anatomy of the body as a whole to provide the students with knowledge of the structure of the body of the human being. This course deals all the systems of the body in an attempt to make it easy for the paramedical students to recognize the organs of the body. Physiology       21102113       3(3,0)         This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to let the student recognize the physiological changes that he integrity of the body systems as a whole to let the student recognize the physiological changes that beingen within the human body and how the body systems work.       3(3,0)         Medical sociology       21102115       3(3,0)            refuence in the parametical student be cognize the physiological changes that be previde the student lengity of the body systems are avhole to let the student recognize the optical science in the parage in the function performed by the various parts and organs of the dout als integrity of the body systems are a whole to let the student is compare to a play of the student is compare the physiological changes that be integrity of the body systems work.         Medical sociology       21102115       3(3,0)            refuence in the student lengity of the student is equity be integrity of the body system in the purpose of the student is equity be integrity of the body system is a whole to let the student is endity of the stude in the integrity of the body system is a stude to the stude the student is endited in t	including carbohydrates, lipids and proteins. Anatomy 21102111 3(3,0) The course deals with structural anatomy of the body as a whole to provide the students with knowledge of the structure of the body of the human being. This course deals all the systems of the body in an attempt to make it easy for the paramedical students to recognize the organs of the budy. Physiology 21102113 3(3,0) This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to let the student recognize the physiological changes that happen within the human body and how the body systems work. Medical sociology 21102115 3(3,0) <sup>7</sup> . Addit and the organs of the human body. It also deals with the integrity of the body systems is a whole to let the student recognize the physiological changes that happen within the human body and how the body systems work. Medical sociology 21102115 3(3,0) <sup>7</sup> . Addit and the body systems work. Medical sociology 21102115 3(3,0) <sup>7</sup> . Addit and the organs of the human bidy. It also deals with the integrity of the body systems the course is designed to develop at Unitavia the provide the student fuelow in the human body and how the body systems student by the provide the students with a stars. The organ is a stars in the system, students should identify the proper use of works in a medical environment. Knowledge of medical terminology enhances the students' ability to communicate and practice his/her work successfully on the purpose of providing health services. Anatomy and Physiology of Plustents is directed to provide the student with the basic knowledge of anatomy and the physiology of hearing, ear, nose and throat, and its implications. Fundamental of Acoustics 21126111 3(3-0) This course is directed to provide the student with the basic knowledge about Ear, Nose and Throat diseases Adult Audiology 21126221 3(3-0) This course is directe	<b>Biochemistry</b> (lab)	21301132	1(0,2)		
The course deals with structural anatomy of the body as a whole to provide the students with knowledge of the structure of the body of the human being. This course deals all the systems of the body in an attempt to make it easy for the paramedical students to recognize the organs of the body. Physiology211021133(3.0)This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to let the student recognize the physiological changes that happen within the human body and how the body systems work.3(3.0)Medical sociology211021153(3.0)new fibulation of the student recognize the physiological changes that happen within the human body and how the body systems work.3(3.0)Ibudy is a student for the student recognize the physiological changes that happen within the human body is a student body system work.3(3.0)Medical sociology211021153(3.0)student for the student for the student body systems as a whole to let the student be diversity of the body systems as a whole to let the student be diversity of the body systems a student should be diversity of the body systems a student should be deals with the functions performed by the various bases in the student be diversity of the body systems a student should be deals with the haman body. It also deals with the human body transformed by the various bases in the student should be diversity of the body systems a student should be diversity of the body system strand the student be diversity of the body system strand structure and structure be student should be diversity of the body system strand structure and structure be diversity of the student should be diversity	The course deals with structural anatomy of the body as a whole to provide the students with knowledge of the structure of the body of the human being. This course deals all the systems of the body. Physiology 21102113 3(3,0)         This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to let the student recognize the physiological changes that happen within the human body and how the body systems work.         Medical sociology       21102115         indexisting and the student structure is the physiological changes that happen within the human body and how the body systems work.       3(3,0)         Medical sociology       21102115         indexisting indexisting the student structure is the physiological changes that happen within the human body and how the body systems work.       3(3,0)         Medical sociology       21102115       3(3,0)         it course is designed to let the student recognize the physiological changes that happen within the human body and how the body systems as a whole to let students in the course is designed to develop a working knowledge of the language of medicine to let students acquire word building skills by learning word roots, suffixes, prefixes and abbreviations. By relating terms to body systems, students should identify the proper use of words in a medical environment. Knowledge of medical terminology       21126101       3 (3-0)         This course is directed to provide the student with the basic knowledge of anatomy and the physiology of hearing, ear, nose and throat, and its implications       3 (3-0			ent classes of biomolecules		
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This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to let the student recognize the physiological changes that happen within the human body and how the body systems work.         Medical sociology       21102115       3(3,0)         ignition of the integrity of the body systems work.       3(3,0)         Medical sociology       21102115       3(3,0)         ignition of the integrity of the body systems work.       3(3,0)       integrity of the integrity of the body systems work.         Medical sociology       21102115       3(3,0)         ignity of the integrity of the body systems work.       3(3,0)         Integrity of the body systems body systems in the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the body systems is a significance of the integrity of the significance of the integrity of the significance of the integrity of the s	This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to let the student recognize the physiological changes that happen within the human body and how the body systems work.         Medical sociology       21102115       3(3,0)         i <sup>1</sup> Action 1 (Loads)       3(3,0)       1         i <sup>2</sup> Action 1 (Loads)       21102115       3(3,0)         i <sup>2</sup> Action 1 (Loads)       3(3,0)       1         i <sup>2</sup> Action 1 (Loads)       3(3,0)       1         i <sup>2</sup> Action 1 (Loads)       4       1         i <sup>2</sup> Action 1       4       3         i <sup>3</sup> Action 1       1       1         i <sup>3</sup> Action 1       1       3         i <sup>3</sup> Action 1       3       3       3         i <sup>3</sup> Action 1       1       3       3       3         i <sup>3</sup> Action 1       1       3       3       3         i <sup>3</sup> Action 2       1       3       3       3	knowledge of the structure of the body of	of the human being. This cours	e deals all the systems of the		
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للمرض، الرعاية الصحية، الخدمة الصحية والسلوك العرضي، وكذلك يتناول الدور الذي يمارسه المجتمع في الخدمة الصحية المرض، الرعاية الصحية، الخدمة الصحية والسلوك العرضي، وكذلك يتناول الدور الذي يمارسه المجتمع في الخدمة الصحية والسياق الاجتماعي للصحة والمرض وانعكاسات مفهوم الصحة والمرض على الخدمات الصحية. ثم يتناول المساق أهم الميادين الدراسية في العلوم الاجتماعية والسلوكية وذلك لفهم السلوك الاجتماعي على المستوى النظري والعملي من التطرق إلى مفاهيم: المعايير، الاتجاهات و القيم. <b>Medical Terminology 21102117 3(3,0)</b> This course is designed to develop a working knowledge of the language of medicine to let students acquire word building skills by learning word roots , suffixes, prefixes and abbreviations. By relating terms to body systems, students should identify the proper use of words in a medical environment. Knowledge of medical terminology enhances the students' ability to communicate and practice his/her work successfully on the purpose of providing health services. <b>Anatomy and Physiology of hearing 21126101 3 (3-0)</b> This course is directed to provide the student with the basic knowledge of anatomy and the physiology of hearing, ear, nose and throat, and its implications <b>Fundamental of Acoustics 21126111 3 (3-0)</b> This course is directed to teach the student about the fundamental of acoustics which are essential for understanding Audiology. <b>Far, Nose Throat diseases 21126221 3 (3-0)</b> This course is directed to provide the student with the basic knowledge about Ear, Nose and Throat diseases <b>Adult Audiology 21126231 3 (3-0)</b>	تتناول هذا المساق المضمون المعر في لعلم الاجتماع من حيث الفكر الاجتماعي والر عاية الصحية. فيقدم عرضا لمفاهيم: الصحية المرض، وكذلك يتاول الدور الذي يمارسه المجتمع في الخدمة الصحية المريدين والسلوك المرضي وكذلك يتاول الدور الذي يمارسه المجتمع في الخدمة الصحية تر السواق الاجتماعي للصحة والمرض والعكاليك المرضي وكذلك يتاول الدور الذي يمارسه المجتمع في الخدمة الصحية المراكية وذلك لفهم السلوك الاجتماعي على المستوى النظري والعملي من التطرق إلى مفاهم: المستوى النظري والعملي من التطرق إلى مفاهم: المراكية والسلوكية وذلك لفهم السلوك الاجتماعي على المستوى النظري والعملي من التطرق إلى مفاهم: المراكية والملوكية وذلك لفهم السلوك الاجتماعي على المستوى النظري والعملي من التطرق إلى مفاهم: العرم الاجتماعية والسلوكية والعلم الاجتماعي على المستوى النظري والعملي من التطرق إلى مفاهم: المراكية والعرض والعملي من التطرق إلى مفاهم: العرم الاجتماعية والسلوكية وذلك لفهم السلوك الاجتماعي على المستوى النظري والعملي من التطرق إلى مفاهم: العرم الاجتماعي العلم الاجتماعي والعلم الاجتماعي والعلم والعرض والعملي من التطرق إلى مفاهم: المراكية والسلوكية والعلم الاجتماعي على المستوى الموالي العرم الاجتماعية والسلوكية والعلم الاجتماعية والسلوكية والعلم الاجتماعي على المستوى الذي والعملي من التطرق إلى مفاهم: المرض المولي المرض المولي المولي المولي المرض على الخدمة الصحية من المراكي الاجتماعي العرم الاجتماعي والعلم المولي المو	the various parts and organs of the huma as a whole to let the student recognize th	an body. It also deals with the	integrity of the body systems		
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Is to provide the student with practical t tests and using audiometers and tympan brainstem audiometry.	0	1 0
Hearing Aids	21126241	3 (3-0)
To teach the student the conventional ar and how to make an ear impression .	nd digital hearing aids and	their uses and the ear molds.
Hearing Aids /Practice	21126242	2 (0-6)
To provide the student with practical training	ng on hearing aids and hear	ring aid fitting.
Pediatric Audiology	21126251	3 (3-0)
Is aimed to teach the student the principles children	s of screening and diagnost	tic hearing measurements for
Pediatric Audiology /Practice	21126252	2 (0-6)
The course is aimed to provide the student assessment	with practical training on the	
Rehabilitation in Audiology	21126261	3 (3-0)
This course is directed to provide the studer rehabilitation in Audiology	nt with the theoretical aspe	cts of habilitation and
Rehabilitation in Audiology/practice	21126262	2 (0-6)
This course is aimed to provide the student in Audiology	with practical training on l	nabilitation and rehabilitation
Industrial Audiology	21126271	3 (3-0)
This course is aimed to provide the student on hearing	with the knowledge of the	effect of the noise exposure
Calibration of Audiology Equipment	21126272	3 (3-0)
This course is directed to provide the studer audiology equipments	nt with the knowledge of c	alibration of different
Calibration of Audiology Equipment/practice	21126273	2 (0-6)
This course is aimed to provide the student equipment. Observation calibration of au the equipments and calibration of audiolo	diometer, immitance and E	-
Introduction to cochlear implantation	21126281	2 (1-3)
This course is aimed to provide the student pre implantation audiological tests. And to the cochlear implant system and how to pro	provide the student with pr	ractical training on how to fit
Field training	21126200	3 (280 training hours)
This course is aimed to provide the student to achieve the correct diagnosis	with the practical training	on all audiological procedure



جامعة البلقاء التطبيقية