

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

The curriculum for associate degree in Audiology Technician

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

Course No.	Course Title	Credit Hours	Weekly Contact Hours		Prerequisite
			Theoretical	Practical	
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	

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

Course No.	Course Title	Credit Hours	Weekly Contact Hours		Prerequisite
			Theoretical	Practical	
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	

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

Course No.	Course Title	Credit Hours	Weekly Contact Hours		Prerequisite
			Theoretical	Practical	
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	

* Co-requisite

** Equivalent to 280 training hours

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 semester		
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	Total		18

Brief Description for Courses of the Study Plan of Audiology Technician

Course Title	Course No	Credit Hours (Theoretical /Practical)
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Arabic language	22001101	3(3,0)
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تتضمن هذه المادة مجموعة من المهارات اللغوية بمستوياتها وأنظمتها المختلفة: الصوتية، والصرفية، والنحوية، والبلاغية، والمعجمية، والتعبيرية، وتشتمل نماذج من النصوص المشرقة: قرآنية، وشعرية، وقصصية، من بينها نماذج من الأدب الأردني؛ يتوخى من قراءتها وتدقيقها وتحليلها تحليلاً أدبياً؛ تنمية الذوق الجمالي لدى الطلاب الدارسين.

English language	22002101	3(3,0)
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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)
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1. تعريف الثقافة الإسلامية وبيان معانيها وموضوعاتها والنظم المتعلقة بها – وظائفها وأهدافها
2. مصادر ومقومات الثقافة الإسلامية والأركان والأسس التي تقوم عليها .
3. خصائص الثقافة الإسلامية .
4. الإسلام والعلم ، والعلاقة بين العلم والإيمان
5. التحديات التي تواجه الثقافة الإسلامية .
6. رد الشبهات التي تثار حول الإسلام .
7. الأخلاق الإسلامية والآداب الشرعية في إطار الثقافة الإسلامية
8. النظم الإسلامية .

Computer skills	21702101	3(1:4)
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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.

Medical Physics	21301123	3(3,0)
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This course is designed to acquaint the students with knowledge about forces and 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.

Biochemistry (Theory)	21301131	2(2,0)
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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.

Biochemistry (lab)	21301132	1(0,2)
This course deals with performing practical applications for the different classes of biomolecules 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 happen within the human body and how the body systems work.		
Medical sociology	21102115	3(3,0)
يتناول هذا المساق المضمون المعرفي لعلم الاجتماع من حيث الفكر الاجتماعي والرعاية الصحية. فيقدم عرضاً لمفاهيم: الصحة، المرض، الرعاية الصحية، الخدمة الصحية والسلوك المرضي. 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.		
Medical Terminology	21102117	3(3,0)
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.		
Anatomy and Physiology of hearing	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		
Fundamental of Acoustics	21126111	3 (3-0)
This course is directed to teach the student about the fundamental of acoustics which are essential for understanding Audiology.		
Ear, Nose Throat diseases	21126221	3 (3-0)
This course is directed to provide the student with the basic knowledge about Ear, Nose and Throat diseases		
Adult Audiology	21126231	3 (3-0)
This course is directed to teach the students the conventional hearing measurement for adults and children a above the age Of 14 years. With the on the advanced technology in detection of hearing loss. And to provide the student with the techniques and strategies used to differentiate a mong different diagnosis.		
Adult Audiology /practice	21126232	2 (0-6)

Is to provide the student with practical training on conducting otoscopic examination, tuning fork tests and using audiometers and tympanometers, reflexes, reflex decay, otoacoustic emission and brainstem audiometry.

Hearing Aids	21126241	3 (3-0)
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To teach the student the conventional and digital hearing aids and their uses and the ear molds. and how to make an ear impression .

Hearing Aids /Practice	21126242	2 (0-6)
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To provide the student with practical training on hearing aids and hearing aid fitting.

Pediatric Audiology	21126251	3 (3-0)
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Is aimed to teach the student the principles of screening and diagnostic hearing measurements for children

Pediatric Audiology /Practice	21126252	2 (0-6)
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The course is aimed to provide the student with practical training on the pediatric hearing assessment

Rehabilitation in Audiology	21126261	3 (3-0)
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This course is directed to provide the student with the theoretical aspects of habilitation and rehabilitation in Audiology

Rehabilitation in Audiology/practice	21126262	2 (0-6)
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This course is aimed to provide the student with practical training on habilitation and rehabilitation in Audiology

Industrial Audiology	21126271	3 (3-0)
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This course is aimed to provide the student with the knowledge of the effect of the noise exposure on hearing

Calibration of Audiology Equipment	21126272	3 (3-0)
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This course is directed to provide the student with the knowledge of calibration of different audiology equipments

Calibration of Audiology Equipment/practice	21126273	2 (0-6)
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This course is aimed to provide the student with the practical training on calibration of audiological equipment. Observation calibration of audiometer, immittance and Bera. And Practical training on the equipments and calibration of audiology equipments.

Introduction to cochlear implantation	21126281	2 (1-3)
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This course is aimed to provide the student with the theoretical aspects of cochlear implant and the pre implantation audiological tests. And to provide the student with practical training on how to fit the cochlear implant system and how to programm the external device

Field training	21126200	3 (280 training hours)
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This course is aimed to provide the student with the practical training on all audiological procedure to achieve the correct diagnosis

Al-Balqa' Applied University



جامعة البلقاء التطبيقية

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