

المقارنة المرجعية

لقسم علوم الحاسب والمعلومات - كلية العلوم بالزلفي - جامعة المجمعة
مع قسم علوم الحاسب - كلية الحاسب - جامعة القصيم

الاتساق مع العلامة المرجعية

وجه الاتساق	قسم علوم الحاسب والمعلومات كلية العلوم جامعة المجمعة	قسم علوم الحاسب كلية الحاسب جامعة القصيم	نسبة الاتساق
1- الدرجة الممنوحة	درجة البكالوريوس في علوم الحاسب والمعلومات/ كلية العلوم	درجة البكالوريوس في علوم الحاسب كلية الحاسب	%100
2- الرؤية	The academic plan of the department has been developed to comply with the scientific and technical requirements for graduate students. With the possibility of developing such a plan to suit with the scientific development, and the needs of the labor market in this area. Therefore, the graduate will armed with both theoretical and practical knowledge that enable him to work efficiently in the fields of computers in various areas of life in the Kingdom such that he will cope with the rapid development in the areas of the computer science and information.	The Computer Science Department is looking to achieve recognition in both Education and Scientific Research in all fields of Computer Science.	%95
3- الرسالة	Providing outstanding higher education to acquire graduates sufficient skills and knowledge to communicate and work effectively in teamwork through scientific environment to compete in labor market.	To prepare highly qualified graduates who are ready to work and compete in the Computer Science field, to continue their postgraduate studies, to achieve recognition in Scientific Research, to disseminate knowledge and to develop sustainable technology for the service of society.	%95
4- الأهداف	<ul style="list-style-type: none"> - Have strong foundation in mathematics and basic concepts of computer science and information. - To lay the foundation for further 	<ul style="list-style-type: none"> - Provide students with sufficient knowledge and learning in all aspects of computer science. - Improve the technical and interpersonal skills of students 	%90

	<p>to enable them to work with others effectively in their professional careers.</p> <ul style="list-style-type: none"> - Prepare students to pursue and excel in graduate studies in Computer Science and other related fields - Make students more responsible to the community and work within professional and ethical framework. 	<p>research.</p> <ul style="list-style-type: none"> - Acquire graduates methods and procedures to communicate and work effectively within multi-disciplinary team. - Encourage graduates to follow appropriate practices within a professional, legal, and ethical responsibility. - Demonstrate efficient IT capabilities, and search for information and engage in life-long self-learning 	
%90	145	161	5 - عدد الساعات
%67	114	170	6- عدد الطلاب
%65	13	20	عدد أعضاء الهيئة التدريسية
%95	6 معامل	7 معامل	عدد المعامل
%75	12	9	عدد الطلاب لكل عضو هيئة تدريسية
%10	953	94	عدد الخريجين
%95	142	136	عدد الساعات الاجبارية
%12	3	25	عدد الساعات الاختيارية
	One track only (BSc in CS)	Track I- Information Systems Track II- Computer Networks Track III- General Track	عدد المسارات
%95	يوجد اتساق في وصف المقررات	يوجد اتساق في وصف المقررات	9- المقررات
%100	<p>The CS program enables students to acquire, by the time of graduation, the following learning outcomes which allows graduates to be able to:</p> <ul style="list-style-type: none"> • apply knowledge of computing and mathematics appropriate to the discipline. • analyze a problem, and identify and define the computing requirements appropriate to its solution. • design, implement, and evaluate a computer-based system, process, 	<p>The CSI program enables students to acquire, by the time of graduation, the following learning outcomes which allows graduates to be able to:</p> <ul style="list-style-type: none"> • apply knowledge of computing and mathematics appropriate to the discipline. • analyze a problem, and identify and define the computing requirements appropriate to its solution. • design, implement, and evaluate a computer-based system, process, 	10- نواتج التعلم

	<p>component, or program to meet desired needs.</p> <ul style="list-style-type: none"> •function effectively on teams to accomplish a common goal. •understand professional, ethical, legal, security and social issues and responsibilities. •communicate effectively with a range of audiences. •analyze the local and global impact of computing on individuals, organizations, and society. •Recognize the need for and an ability to engage in continuing professional development. •use current techniques, skills, and tools necessary for computing practice. •use and apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies. •identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems. •effectively integrate IT-based solutions into the user environment. •understand of best practices and standards and their application. 	<p>component, or program to meet desired needs.</p> <ul style="list-style-type: none"> •function effectively on teams to accomplish a common goal. •understand professional, ethical, legal, security and social issues and responsibilities. •communicate effectively with a range of audiences. •analyze the local and global impact of computing on individuals, organizations, and society. •Recognize the need for and an ability to engage in continuing professional development. •use current techniques, skills, and tools necessary for computing practice. •use and apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies. •identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems. •effectively integrate IT-based solutions into the user environment. •understand of best practices and standards and their application. 	
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مصفوفة المخرجات لمواد قسم علوم الحاسب والمعلومات – كلية العلوم – جامعة المجمعة النواتج الأساسية للبرنامج الأكاديمي*:

- أ- المعرفة
ب- الحقائق والمفاهيم والإجراءات الخاصة بالنظريات
ج- المهارات المعرفية والإدراكية
د- تطبيق المهارات عندما يتطلب ذلك التفكير الإبداعي لحل المشكلات
هـ- مهارات العلاقة مع الآخرين وتحمل المسؤولية
و- المسؤولية عن التعلم
ز- المشاركة الجماعية والقيادة
ح- الاستجابة بشكل مسئول في المواقف الشخصية والمهنية
ط- المعايير الأخلاقية للسلوك
ي- مهارات الاتصال وتقنية المعلومات والعديدية
ك- الاتصال الشفهي والكتابي
ل- استخدام تقنية المعلومات
م- الرياضيات والإحصاء الأساسي
ن- المهارات الحركية

اسم المقرر	رمز ورقم المقرر	أ	ب	ج	د	هـ	و	ز	ح	ط	ي	ك	ل	م	ن
Programming 1	CSI 211	x	x	x	x	x		X		X	x	x	x		
Disc. Math. for CS 1	CSI 212	x	x	x	x	x				X		x		X	
Calculus 1	Math 212	x	x	x	x	x				X		x		X	
Physics 2	PHYS 217	x	x	x	x	x				X		x			
Tech. English	ENG 210	x	x	x	x	x		X		X		x			
Edu. & Thinking skills	ZPSY211	x	x	x	x	x				X		x			
Programming 2	CSI 221	x	x	x	x	x		X		X	x	x	x		
Disc. Math. for CS 2	CSI 222	x	x	x	x	x				X		x		X	
Calculus 2	Math 220	x	x	x	x	x				X		x		X	
Dig. Logic Design	CSI 123	x	x	x	x	x		X		X	x	x	X		
Fund. Of Info. system	CSI 224	x	x	x	x	x				X		x			
General Chemistry	CHEM 225	x	x	x	x	x				X		x			
Visual Programming	CSI 211	x	x	x	x	x		X		X	x	x	X		
Data Structure	CSI 312	x	x	x	x	x		X		X	x	x	X		
Comp. Org. and Assm. Lang	CSI 313	x	x	x	x	x		X		X	x	x	X		
Data Base	CSI 314	x	x	x	x	x		X		X	x	x	X		
Linear Alg. & Diff. Eq.	Math 310	x	x	x	x	x				X		x		X	
Elect. Islamic Course 1	Isl ***	x	x	x	x	x	x		X	X		x			
Design & Anal. Of Algor.	CSI 321	x	x	x	x	x		x		x	x	x	x		
Computer Networks	CSI 322	x	x	x	x	x		X		X	x	x	X		
Computer Archit.	CSI 323	x	x	x	x	x		X		X	x	x	X		

Advance Database	CSI 324	X	X	X	X	X		X		X	x	x	X		
Software Engineering 1	CSI 325	X	X	X	X	X		X		X	x	x	X		
Probability & Statistics	STAT320	X	X	X	X	X		X		X	x	x	X		
Artificial Intelligence	CSI 411	X	X	X	X	X		X		X	x	x	X		
Operating Systems	CSI 412	X	X	X	X	X		X		X	x	x	X		
Compiler Design	CSI 413														
Elective Course 1	***	X	X	X	X	X		X		X	x	x	X		
Elective Arabic Course	Arab***	X	X	X	X	X	x		X	X		x			
Elect. Islamic Course 2	Isl ***	X	X	X	X	X	x		X	X		x			
Summer Training	CSI 400	X	X	X	X	X	x	x	X	X	X	x			X
Distr. Sys. &Prll. Process	CSI 421	X	X	X	X	X	x		X	X		x			
Software Engineering 2	CSI 422	X	X	X	X	X	x		X	X		x			
Crypto. & Info. Security	CSI423	X	X	X	X	X	x		X	X		x			X
Computer Graphics	CSI 425	X	X	X	X	X	x		X	X		x			
Elective Course 2	***	X	X	X	X	X	x		X	X		x			
Elect. Islamic Course 3	Isl ***	X	X	X	X	X	x		X	X		x			
Graduation Project 1	CSI 510	X	X	X	X	X		X		X	x		X		
Web Prog. & Internet Tech	CSI 511	X	X	X	X	X		X		X	x	x	X		
Data Mining	CSI 512	X	X	X	X	X	x		X	X		x			
Concepts of Prg. Lang.	CSI513	X	X	X	X	X	x		X	X		x			
Elective Course 3	***	X	X	X	X	X	x	x	X	X	X	X			X
Elective Prereq. Univ.	***	X	X	X	X	X	x		X	X		x			
Elec. Prerequisite Univ.	***	X	X	X	X	X	x		X	X		x			
Graduation. Project 2	CSI 520	X	X	X	X	X	x		X	X		x			
Human Computer Interaction	CSI522	X	X	X	X	X	x		X	X		x			
Professional Ethics	CSI525	X	X	X	X	X	x	x	X	X	X	X			X
Elective Course 4	***	X	X	X	X	X	x		X	X		x			
Free Elective Course	***	X	X	X	X	X	x		X	X		x			

مصفوفة المخرجات لمواد قسم علوم الحاسب والمعلومات – كلية العلوم – جامعة المجمعة
التوافق مع الاطار الوطني للمؤهلات

وجه المقارنة	الإطار الوطني للمؤهلات	العلامة المرجعية	البرنامج المقترح	مدى الاتساق
المعارف الحقائق المفاهيم النظريات الإجراءات	متسق	البرنامج المماثل في كلية علوم الحاسب جامعة القصيم	علوم الحاسب	%90
المهارات الإدراكية	متسق	البرنامج المماثل في كلية علوم الحاسب جامعة القصيم	علوم الحاسب	%100
مهارات العلاقة بين الأشخاص وتحمل المسؤولية	متسق	البرنامج المماثل في كلية علوم الحاسب جامعة القصيم	علوم الحاسب	%95
مهارات التواصل	متسق	البرنامج المماثل في كلية علوم الحاسب جامعة القصيم	علوم الحاسب	%95
المهارات النفس حركية	متسق	البرنامج المماثل في كلية علوم الحاسب جامعة القصيم	علوم الحاسب	%95