جامعة الإمام عبدالرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY
عمادة الدراسات العليا
Deanship of Graduate Studies

برنامج ماجستير العلوم في علوم الحاسب الآلي   MASTER OF SCIENCE IN COMPUTER SCIENCE

الكلية : كلية علوم الحاسب ونظم المعلومات.

القسم : قسم علوم الحاسب.

الدرجة : ماجستير.

مسمى البرنامج ودرجته :ماجستير العلوم في علوم الحاسب الآلي

مسارات البرنامج :

١– السحابية الالكترونية للبيانات الكبيرة.

٢– امن المعلومات.

٣– هندسة البرمجيات.

تتبع: العلمي و الإداري

المستوى الدراسي: الدراسات العليا

الدرجة العلمية :   ماجستير

Gender: إناث– ذكور.

سنوات الدراسة: ٢

الساعات المعتمدة: ٣٠

الوحدات الدراسية المطلوبة للتخرج :

٢٤وحدة + ٦وحدات للرسالة

٢٧ وحدة + ٣ وحدات مشروع بحثي

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MASTER OF SCIENCE IN COMPUTER SCIENCE

برنامج ماجستير العلوم في علوم الحاسب الآلي

College: THE COLLEGE OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Campus: Dammam

Department: DEPARTMENT OF COMPUTER SCIENCE

Program Tile : MASTER OF SCIENCE IN COMPUTER SCIENCE

Track: Science and Management

Level: Postgraduate

Degree: MASTER DEGREE

Gender: Female - male

Years of study: 2

Credit hours: 30

The program consists of 30 credit hours spread over 4 semester offering the following 3 tracks (9 credits each):

I. Big Data Cloud Computing

II. Information Security

III. Software Engineering

Credit hours

24 study units + 6 Dissertation units .

27 study units + 3 Project units .

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MASTER OF SCIENCE IN COMPUTER SCIENCE   برنامج ماجستير العلوم في علوم الحاسب الآلي

Program Plan

The program offers both thesis and project options to the graduate and the stay plans have been prepared according. The breakdown of courses for Research and Project tracks are given below:

MSCS (Research Track)

Year	Semester	Course Code	Course Title	Credit Hours	Required or Elective	Pre-* Requisite Courses	College or Department
١st Year	Semester ١	MSCS ٦١٢	Research Methods in Computer Science	٣	Required	-	Department
		MSCS ٦١٥	Advanced Topics in Operating Systems	٣	Required	-	Department
		MSCS 613	Advanced Algorithms Analysis and Design	3	Required	-	Department
			Total	9			
	Semester 2	MSCS 614	Theory of Computation	3	Required	-	Department
		MSCS 615	Parallel and Distributed Processing	3	Required	-	Department
			Elective 1	3	Elective	-	Department
			Total	9			
2nd Year	Semester 3		Elective 2	3	Elective	-	Department
			Elective 3	3	Elective	-	Department
			Total	6			
	Semester 4	MSCS 672	Thesis	6	Required	-	Department
			Total	6			
Total				30			

MSCS (Project Track)

Year	Semester	Course Code	Course Title	Credit Hours	Required or Elective	* Pre-Requisite Courses	College or Department
۱st Year	Semester ۱	MSCS ٦١٥	Advanced Topics in Operating Systems	٣	Required	-	Department
		MSCS ٦١٢	Research Methods in Computer Science	٣	Required	-	Department
		MSCS ٦١٣	Advanced Algorithms Analysis and Design	٣	Required	-	Department
		Total		٩			
	Semester ۲	MSCS ٦١٤	Theory of Computation	٣	Required	-	Department
		MSCS ٦١٥	Parallel and Distributed Processing	٣	Required	-	Department
			Elective ۱	٣	Elective	-	Department
		Total		٩			
۲nd Year	Semester ۳		Elective ۲	٣	Elective	-	Department
			Elective ۳	٣	Elective	-	Department
		Total		٦			
	Semester 4		Elective 4(from any track)	3	Elective	-	Department
		MSCS 673	Project Implementation	3	Required	-	Department
		Total	6				
Total				**30**			