



College of Environmental Design

Department of City and Regional Planning



Undergraduate
Program in
City Planning (CP)



www.kfupm.edu.sa/crp



CITY PLANNING

Planning is concerned with the multi-faceted forces that generate social development, location change, and economic growth, and with understanding the ways in which resources can be used sustainably. The under graduate program in City Planning at KFUPM is a multi-disciplinary problem-solving curriculum oriented towards the identification and solution of current and future city planning problems and challenges posed by foreseeable and invisible factors. The program is designed to prepare students to effectively integrate social, economic, legal, political, and scientific theories with state-of-the-art planning techniques.

PROGRAM DESCRIPTION

The Department of City and Regional Planning at KFUPM offers a program leading to the degree of Bachelor of Science (BS) in City Planning (CP). This degree is granted after the completion of 126 credit hours. Upon accomplishing the degree program, graduates will be entitled to use 'Planning Engineer' before their names (for example, Planning Engineer Abdul Aziz). However, the department is offering this program with two options,

Option I: B.S. in City Planning with Summer Training

Option II: B.S. in City Planning with Coop

The curriculum in each option, consists of four major requirements: General Education Requirements (40 credit hours for both options), Core requirements (74 credit hours for option I; 65 credit hours for option II), a summer training (for option I only; 0 credit hours) or Coop (for option II only; 9 credit hours), and elective courses (12 credit hours for both options).

General Education requirement courses focus on vital basic areas such as communication skills, mathematics, and natural sciences. Core requirement courses cover planning theory and history, planning workshops, environmental planning, policies and public works, land use and transportation, sustainable development, impact assessment, analytical methods, computer applications, as well as socio-economic dynamics of urban societies.

For more information about the program and department, please visit the following link <http://www.kfupm.edu.sa/crp/> or contact Professor Adel S. Al-Dosary, Chairman of the department, at asdosary@kfupm.edu.sa, Tel. +966 3 860 3595, Fax +966 3 860 3857.

EMPLOYMENT OPPORTUNITIES

Undergraduate and graduate planners are trained for the following wide range of roles in different domains of city planning - City planners, environmental planners, industrial planners, GIS experts, remote sensing experts, real estate planners, land use planners, municipal planners, planning consultants, policy consultants, recreational planners, resource development planners, social planners, strategic planners, transportation planners, urban designers, economic development planners, community development planners, negotiation planners, heritage preservation planners, etc.

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CITY PLANNING CURRICULUM WITH SUMMER TRAINING

COURSE	TITLE	LT	LB	CR	COURSE	TITLE	LT	LB	CR
Preparatory Year									
ENGL 001	Preparatory English I	15	5	8	ENGL 002	Preparatory English II	15	5	8
MATH 001	Preparatory Math I	3	1	4	MATH 002	Preparatory Math II	3	1	4
PYP 001	Prep. Physical Sciences	2	0	2	PYP 002	Prep Computer Sciences	0	2	1
PYP 002	University Study Skills	0	2	1	ME 003	Prep. Eng. Technology	0	2	1
PE 001	Prep Physical Education I	0	2	1	PE 002	Prep Physical Education II	0	2	1
		20	10	16			18	12	15
Total credits required in Preparatory Program: 31									
First Year (Freshman)									
ARC 100	Architectural Graphics	0	10	5	CP 101	Introd. to City Planning	3	0	3
ENGL 101	English Composition I	3	0	3	ENGL 102	English Composition II	3	0	3
MATH 131	Finite Mathematics	3	0	3	MATH 132	Applied Calculus	3	0	3
PHYS 133	Principles of Physics	3	3	4	IAS 101	Practical Grammar	2	0	2
IAS 111	Belief and its Consequences	2	0	2	ICS 102	Introduction to Computing	2	3	3
PE 101	Physical Education I	0	2	1	PE 102	Physical Education II	0	2	1
		11	15	18			13	5	15
Second Year (Sophomore)									
CP 201	Planning Theory	3	0	3	CP 204	Land Use Planning	3	0	3
CP 202	Planning Laws and Leg.	3	0	3	CP 205	Urban Economics	3	0	3
CP 203	Intro to Spatial Database Systems	3	0	3	CP 206	Geographic Information Systems (GIS) I	2	3	3
CE 260	Surveying I	2	3	3	CP 210	Planning Workshop I	1	9	4
STAT 211	Statistics for Business I	3	0	3	ENGL 214	Technical Report Writing	3	0	3
IAS 212	Professional Ethics	2	0	2			12	12	16
		16	3	17					
Third Year (Junior)									
CP 301	Urban Survey Methods	3	0	3	CP 306	Quantitative Methods in Plan.	3	0	3
CP 302	Intro to Enviro Planning	2	0	2	CP 307	Transportation Planning	3	0	3
CP 303	Intro to Cartog. & Remote Sensing	2	3	3	CP 308	Geographic Information Systems (GIS) II	2	3	3
CP 310	Planning Workshop II	1	9	4	CP 315	Planning Workshop III	1	9	4
ARC 353	Housing Policy & Design	2	0	2	IAS 322	Human Rights in Islam	2	0	2
IAS 201	Writing for Professional Needs	2	0	2			11	12	15
		12	12	16					
Summer Session					CP 399	Summer Training	0	0	0
Fourth Year (Senior)									
CP 401	Senior Plann. Proj. Prep.	1	0	1	CP 402	Sustainable Development	2	0	2
CP 410	Planning Workshop IV	1	9	4	CP 499	Senior Planning Project	1	9	4
CP 4XX	CP Elective I	3	0	3	ARC 482	Socio-cultural Factors in Design	2	0	2
CP 4XX	CP Elective II	3	0	3	XXX XXX	University Elective II	3	0	3
XXX XXX	University Elective I	3	0	3	IAS 4XX	IAS Elective	2	0	2
IAS 301	Oral Comm. Skills	2	0	2			10	9	13
		13	9	16					
Total credits required in Degree Program: 126									

CITY PLANNING CURRICULUM WITH COOP

COURSE	TITLE	LT	LB	CR	COURSE	TITLE	LT	LB	CR
Preparatory Year									
ENGL 001	Preparatory English I	15	5	8	ENGL 002	Preparatory English II	15	5	8
MATH 001	Preparatory Math I	3	1	4	MATH 002	Preparatory Math II	3	1	4
PYP 001	Prep. Physical Sciences.	2	0	2	PYP 002	Prep Computer Sciences	0	2	1
PYP 002	University Study Skills	0	2	1	ME 003	Prep. Eng. Technology	0	2	1
PE 001	Prep Physical Education I	0	2	1	PE 002	Prep Physical Education II	0	2	1
		20	10	16			18	12	15
Total credits required in Preparatory Program: 31									
First Year (Freshman)									
ARC 100	Architectural Graphics	0	10	5	CP 101	Introd. to City Planning	3	0	3
ENGL 101	English Composition I	3	0	3	ENGL 102	English Composition II	3	0	3
MATH 131	Finite Mathematics	3	0	3	MATH 132	Applied Calculus	3	0	3
PHYS 133	Principles of Physics	3	3	4	IAS 101	Practical Grammar	2	0	2
IAS 111	Belief and its Consequences	2	0	2	ICS 102	Introduction to Computing	2	3	3
PE 101	Physical Education I	0	2	1	PE 102	Physical Education II	0	2	1
		11	15	18			13	5	15
Second Year (Sophomore)									
CP 201	Planning Theory	3	0	3	CP 204	Land Use Planning	3	0	3
CP 202	Planning Laws and Leg.	3	0	3	CP 205	Urban Economics	3	0	3
CP 203	Introduction to Spatial Database Systems	3	0	3	CP 206	Geographic Information Systems (GIS) I	2	3	3
CE 260	Surveying I	2	3	3	CP 210	Planning Workshop I	1	9	4
STAT 211	Statistics for Business I	3	0	3	ENGL 214	Technical Report Writing	3	0	3
IAS 212	Professional Ethics	2	0	2			12	12	16
		16	3	17					
Third Year (Junior)									
CP 301	Urban Survey Methods	3	0	3	CP 306	Quantitative Meth. in Plan.	3	0	3
CP 302	Intro to Environ Planning	2	0	2	CP 307	Transportation Planning	3	0	3
CP 303	Introduction to Cartog. & Remote Sensing	2	3	3	CP 308	Geographic Information Systems (GIS) II	2	3	3
CP 310	Planning Workshop II	1	9	4	CP 315	Planning Workshop III	1	9	4
ARC 353	Housing Policy & Design	2	0	2	IAS 322	Human Rights in Islam	2	0	2
IAS 201	Writing for Professional Needs	2	0	2	XXX XXX	University Elective I	3	0	3
		12	12	16			14	12	18
Summer Session					CP 350	Cooperative Work Program	0	0	0
Fourth Year (Senior)									
CP 351	Cont. Coop Work Prog.*	0	0	9	CP 402	Sustainable Development	2	0	2
					CP 4XX	CP Elective I	3	0	3
					CP 4XX	CP Elective II	3	0	3
					ARC 482	Soci-Cult Factors in Design	2	0	2
					XXX XXX	University Elective II	3	0	3
					IAS 301	Oral Communication Skills	2	0	2
					IAS 4XX	IAS Elective	2	0	2
		0	0	9			17	0	17
Total credits required in Degree Program: 126									

* Coop Work Program replaces Summer Training (0 credits), Planning Workshop IV (4 credits), Senior Planning Project Preparation (1 credit), and Senior Planning Project (4 credits), for a total of 9 credits.