



Freshman		Sophomore		Junior		Senior	
CH	19	CH	19	CH	18	CH	13
	2 H ALIS1211: Arabic Language & Islamic Studies	2 H ALIS2211: Arabic Language & Islamic Studies	ALIS1212	3 H COSC3332: Discrete Structures and Combinatorial Analysis	GEIT2331	3 H COSC4361: Operating Systems	COSC3411
PRPM0022	3 H MATH1313: Statistical Methods	2 H UNIV1213: Leadership and Teamwork	UNIV1212	3 H GEIT3341: Database I	GEIT1412	4 H COSC4461: Programming Languages	COSC3411
	3 H COMM1311: Written Communication	4 H PHYS1422: Physics for Engineers II	PHYS1421 MATH1422	3 H GEIT3331: Computer Organization	GEIT2421	3 H ASSE4311: Learning Outcome Assessment III (Capstone)	ASSE3211
PRPM0022	2 H UNIV1211: Professional Dev. & Competencies	3 H MATH1324: Calculus III	MATH1423	4 H MATH3433: Linear Algebra and Diff. Equations	MATH1324	3 H CS Elective ***II	
	4 H MATH1422: Calculus I	4 H GEIT2421: Data Structures	GEIT1412	2 H ASSE3211: Learning Outcome Assessment II	ASSE2111		
	4 H GEIT1411: Computer Science I	3 H COMM2311: Oral Communication		3 H CS Elective ***I			
	1 H PHED1111: Physical Education I	1 H PHED1112: Physical Education II	PHED1111				
	19	17		17		12	
	2 H ALIS1212: Arabic Language & Islamic Studies	2 H ALIS2212: Arabic Language & Islamic Studies	ALIS2211	3 H GEIT3351: Principles of Software Engineering	GEIT1412	3 H COSC4362: Artificial Intelligence	COSC3351
ALIS1211	3 H COMM1312: Writing and Research	3 H COMM2312: Technical and Professional Communication	COMM1312 COMM 2311	3 H COSC3361: Computer Networks	GEIT2421	3 H COSC4363: Theory of Computation	COSC3351 MATH3433
COMM1311	2 H UNIV1212: Critical Thinking & Problem Solving	1 H ASSE2111: Learning Outcome Assessment I		3 H COSC3351: Algorithms	GEIT2421	3 H Social Science Elective *II	
UNIV1211	4 H PHYS1421: Physics for Engineers I	3 H GEIT2331: Mathematical Reasoning & Algorithmic Thinking	GEIT1412	4 H COSC3411: Systems Programming	GEIT3331	3 H CS Elective ***III	
PRPM0022	4 H MATH1423: Calculus II	3 H COSC2312: Web Programming	GEIT1411	4 H Natural Science Elective *I			
MATH1422	4 H GEIT1412: Computer Science II	2 H GEIT2291: Professional Ethics					
GEIT1411		3 H Social Science Elective *I					
				3	Summer Semester		
				3 H GEIT4361: Internship	OVER 90 CR		

Mar. 2015

GLAPUZ 03/2014

How to read this study plan:

The double line square indicates a pre-requisite class.

*Social Science Electives		**Natural Science Electives	
ECON1311	Intro. to Macroeconomics	BIOL1411	Introductory Biology
ECON1312	Intro. to Microeconomics	CHEM1411	Introductory Chemistry
GEGR1311	World Regional Geography	CHEM1421	Chemistry for Engineers I
HIST1311	World Civilizations	CHEM1422	Chemistry for Engineers II
PSYC1311	Intro. to Psychology		

***CS Electives			
1	COSC3354	Introduction to Cryptography	GEIT2421
2	COSC4371	Computer Graphics	GEIT2421
3	ITAP3313	User Interface Development	GEIT1412, COSC2312
4	COSC3359	Computer Animation	GEIT2421
5	COSC3357	Logic and Formal Verification	GEIT2331
6	COSC4373	Computer Vision	GEIT2421
7	COSC4352	Formal Methods in Software Engineering	GEIT3351
8	COSC4372	Distributed Systems and Algorithms	COSC3351, COSC4361
9	COSC4376	Bioinformatics	COSC3351
10	COSC4380	Quantum Information and Computation	COSC3351
11	COSC4393	Special Topics	OVER 90 CH
12	COSC4311	Parallel Computing	COSC3351
13	COSC4364	Compilers	COSC3351, COSC4461
14	ITAP4371	e-Commerce	GEIT3341, COSC2312
15	ITAP3371	Database II	GEIT3341
16			