

CURRICULUM GUIDE FOR COMPUTER INFORMATION SYSTEMS MAJOR

(This is an example and not all Compass courses are listed or noted.)

YEAR 1

FALL	COURSE TITLE	CREDITS
BUMG 112	Principles of Management	3
CIS 103	Introduction to CIS	3

SPRING	COURSE TITLE	CREDITS
CIS 201	Advanced Computer Applications in Business	3
CIS 211	Introduction to Programming	3
CIS 220	Systems Development Methodologies	3

YEAR 2

FALL	COURSE TITLE	CREDITS
BUAC 225	Principles of Financial Accounting	3
CIS 230	Business Applications Development	3
CIS 250	Java Programming	3

SPRING	COURSE TITLE	CREDITS
CIS 270	Discrete Structures	3
MATH 220	Statistics	3
CIS XXX	CIS Elective	3

YEAR 3

FALL	COURSE TITLE	CREDITS
CIS 336	Database Design and Implementation	3
CIS XXX	CIS Elective	3
CIS 3XX	CIS Elective	3

SPRING	COURSE TITLE	CREDITS
CIS 327	Distributed Systems and Communications	3
CIS 340	Computer Security*	3

YEAR 4

FALL	COURSE TITLE	CREDITS
CIS 350	Web Programming*	3
CIS 420	Project Management in IT	3
CIS 445	Operating Systems	3

SPRING	COURSE TITLE	CREDITS
CIS 441	Systems Development	3
CIS 499	Senior Capstone	3

*Students may take either CIS 340 Computer Security or CIS 350 Web Programming. Both are not required.

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TRANSFER STUDENT

YEAR 1

FALL	COURSE TITLE	CREDITS
BUMG 112	Principles of Management	3
CIS 103	Introduction to CIS*	3
CIS 201	Advanced Computer Applications in Business*	3
CIS 220	Systems Development Methodologies*	3
CIS XXX	CIS Elective*	3

SPRING	COURSE TITLE	CREDITS
CIS 211	Introduction to Programming*	3
CIS 250	Object Oriented Programming	3
CIS 270	Discrete Structures	3
CIS XXX	CIS Elective*	3
MATH 220	Statistics	3

YEAR 2

FALL	COURSE TITLE	CREDITS
BUAC 225	Principles of Financial Accounting	3
CIS 230	Business Applications Development	3
CIS 336	Database Design and Implementation @	3
CIS 350	Web Programming	3
CIS 420	Project Management in IT	3

SPRING	COURSE TITLE	CREDITS
CIS 340	Computer Security*	3
CIS 441	Systems Development	3
CIS 499	Senior Capstone	3

* Students may have completed these courses with their AA or AS degree.

@ If student transfers in with CIS 211 & CIS 220 equivalent, take CIS 336 in Year 1.

Note: if students take both CIS 340 & 350, they do not need to take CIS 3xx CIS Elective.

Catalog Changes: May need to change the course catalog. Currently states students can only take CIS 220 after CIS 211 or as a co-requisite. We may need to amend to with instructor's permission. Also, currently students cannot take CIS 250 until they complete CIS 211. We may need to amend this as a co-requisite so students can take both simultaneously.