

Information Systems – Business Systems Major

Information Systems - Business Systems Degree Planners

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UPPER DIVISION REQUIRED CORE COURSES (19 UNITS)

BUS 302	Gateway Experience (3)
BUS 302L	Gateway Lab (1)
FIN 303	Financial Management (3)
MGT 360	Management and Organizational Behavior (3)
MKT 304	Marketing Management (3)
SOM 306	Operations Management (3)
BUS 497	Capstone (3)

REQUIRED INFORMATION CORE COURSES (22 UNITS)

COMP 110/L	Introduction to Algorithms and Programming and Lab (3+1)
PHIL 230	Symbolic Logic (3)
IS 312	Information Systems for Business (3)
IS 431	Systems Analysis and Design (3)
IS 435	Business Data Communications and Networking (3)
IS 441	Database Management Systems (3)
IS 451	Systems Development Project (3)

BUSINESS SYSTEMS OPTION (ISBS) (25 UNITS)

MATH 103**	Mathematical Methods for Business (3)
COMP 105BAS	Computer Programming in Basic (1)
IS 335	Information Technology in Business (3)
Free Elective	(Select any university course) (3)

Select 12 units from the following IS elective courses:

IS 455	Advanced Application Development (3)
IS 457	Advanced Telecommunication Networking (3)
IS 497A-Z	Special Topics (3)
SOM 485	Decision Support Systems (3)

Select 3 units from the following upper-division business courses:

ECON 310	Price Theory and Applications (3)
MKT 346	Marketing Research (3)
MKT 442	Business to Business Marketing (3)
MKT 448	Internet Marketing (3)
MGT 450	Organization Change and Development (3)
MGT 456	Negotiation and Conflict Management (3)
MGT 458	Decision Making and Creativity (3)

** or higher level MATH course

For additional information, view the information systems - business systems degree roadmap at <http://www.csun.edu/~busadmn/roadmap/isbs.pdf>

4 Year Degree Planner							
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
MATH 103 or higher (3)	COMP 105BAS (1)	SOM 120 (3)	PHIL 230 (3)	FIN 303 (3)	MKT 304 (3)	SOM 306 (3)	UD BUS Elective*** (3)
GE Basic Skills Anal. Reading / Exp. Writing (3)	ECON 161 (3)	ENGL 205* (3)	BLAW 280 (3)	BUS 302/L (3+1)	MGT 360 (3)	IS 451 (3)	BUS 497 (3)
ECON 160 (3)	GE Basic Skills Oral Comm. (3)	ACCT 220 (3)	ACCT 230 (3)	IS 312 (3)	IS 431 (3)	IS Elective** (3)	IS Elective** (3)
COMP 110/L (or COMP 101 & 105C) (3 + 1)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	Free Elective (3)	IS 335 (3)	IS 435 (3)	IS Elective** (3)	IS Elective** (3)
GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (4)	GE/TITLE 5 (4)	GE/TITLE 5 (3)	IS 441 (3)	GE/TITLE 5 (4)	
16 Units	13 Units	16 Units	16 Units	16 Units	15 Units	16 Units	12 Units

****Take Writing Proficiency Exam

5 Year Degree Planner									
Year 1		Year 2		Year 3		Year 4		Year 5	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
MATH 103 or higher (3)	ECON 161 (3)	BLAW 280 (3)	SOM 120 (3)	BUS 302/L (3+1)	FIN 303 (3)	IS 431 (3)	IS 441 (3)	SOM 306 (3)	UD BUS Elective*** (3)
GE Basic Skills Anal. Reading / Exp. Writing (3)	GE Basic Skills Oral Comm. (3)	ACCT 220 (3)	ACCT 230 (3)	IS 312 (3)	IS 335 (3)	IS 435 (3)	IS 451 (3)	Free Electives (3)	BUS 497 (3)
COMP 110/L (or COMP 101 & 105C) (3 + 1)	COMP 105BAS (1)	ENGL 205* (3)	PHIL 230 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	MKT 304 (3)	GE/TITLE 5 (3)	IS Elective** (3)	IS Elective** (3)
ECON 160 (3)	GE/TITLE 5 (4)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (2)	GE/TITLE 5 (3)	MGT 360 (3)	GE/TITLE 5 (3)	IS Elective** (3)	IS Elective** (3)
13 Units	11 Units	12 Units	12 Units	12 Units	12 Units	12 Units	12 Units	12 Units	12 Units

****Take Writing Proficiency Exam

* Previously BUS 205 (ENGL 205 as of Fall 2008)

**Information Systems Electives: IS 455, IS 457, IS 497 A-Z, SOM 485

***Upper Division Business Electives: ECON 310, MGT 450, MGT 456, MGT 458, MKT 346, MKT 442, or MKT 448

**** Take the Upper Division Writing Proficiency Exam (WPE) once 56 units and the lower division writing requirement are met. The WPE must be completed before enrollment in 400-level courses.

Revised 3/4/08

Information Systems – Information Technology Major

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REQUIRED INFORMATION CORE COURSES (22 UNITS)

COMP 110/L	Introduction to Algorithms and Programming and Lab (3+1)
PHIL 230	Symbolic Logic (3)
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IS 431	Systems Analysis and Design (3)
IS 435	Business Data Communications and Networking (3)
IS 441	Database Management Systems (3)
IS 451	Systems Development Project (3)

INFORMATION TECHNOLOGY OPTION (ISIT) (25 UNITS)

MATH 150A*	Mathematical Analysis I (5)
COMP 282	Advanced Data Structures (3)
COMP 122/L	Introduction to Computer Systems and Lab (1+1)
COMP 222	Computer Organization (3)
COMP 182/L	Data Structures and Program Design and Lab (3+1)
COMP 380/L	Introduction to Software Engineering and Lab (2+1)
Free Elective	(Select any university course) (2)

Select 3 units from the following courses:

COMP 450	Societal Issues in Computing (3)
COMP 461	Electronic Document Processing (3)
COMP 467	Multimedia Systems Design (3)
COMP 480/L	Software System Development (3)
COMP 485	Human-Computer Interaction (3)

* or higher level MATH course

For additional information, view the information systems - information technology degree roadmap at <http://www.csun.edu/~busadmn/roadmap/isit.pdf>

4 Year Degree Planner							
Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
MATH 150A or higher (5)	SOM 120 (3)	ACCT 220 (3)	ACCT 230 (3)	FIN 303 (3)	MKT 304 (3)	SOM 306 (3)	Free Elective (2)
GE Basic Skills Anal. Reading / Exp. Writing (3)	GE Basic Skills Oral Comm. (3)	ENGL 205* (3)	PHIL 230 (3)	BUS 302/L (3+1)	IS 431 (3)	MGT 360 (3)	BUS 497 (3)
	COMP 182/L (3+1)	COMP 122/L (1+1)	COMP 222 (3)	COMP 282 or COMP 270/L (3)	IS 435 (3)	IS 441 (3)	COMP Elective** (3)
COMP 110/L (or COMP 101 & 105C) (3 + 1)	ECON 161 (3)	GE/TITLE 5 (3)	BLAW 280 (3)	IS 312 (3)	COMP 380 (3)	IS 451 (3)	GE/TITLE 5 (3)
ECON 160 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (4)	GE/TITLE 5 (3)
15 Units	16 Units	14 Units	15 Units	15 Units	15 Units	16 Units	14 Units

***Take Writing Proficiency Exam

5 Year Degree Planner									
Year 1		Year 2		Year 3		Year 4		Year 5	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
MATH 150A or higher (5)	SOM 120 (3)	ACCT 220 (3)	ACCT 230 (3)	BUS 302/L (3+1)	PHIL 230 (3)	FIN 303 (3)	SOM 306 (3)	MGT 360 (3)	Free Elective (2)
GE Basic Skills Anal. Reading / Exp. Writing (3)	GE Basic Skills Oral Comm. (3)	ENGL 205* (3)	COMP 182/L (3+1)	IS 312 (3)	COMP 282 or COMP 270/L (3)	MKT 304 (3)	IS 431 (3)	IS 441 (3)	BUS 497 (3)
	ECON 160 (3)	ECON 161 (3)	COMP 122/L (1+1)	COMP 222 (3)	GE/TITLE 5 (3)	COMP 380 (3)	IS 435 (3)	IS 451 (3)	COMP Elective** (3)
COMP 110/L (or COMP 101 & 105C) (3 + 1)	GE/TITLE 5 (3)	BLAW 280 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (2)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (3)	GE/TITLE 5 (4)
12 Units	12 Units	12 Units	12 Units	12 Units	12 Units	12 Units	12 Units	12 Units	12 Units

***Take Writing Proficiency Exam

* Previously BUS 205 (ENGL 205 as of Fall 2008)

**Choose from COMP 450, COMP 461, COMP 467, COMP 480/L, or COMP 485

*** Take the Upper Division Writing Proficiency Exam (WPE) once 56 units and the lower division writing requirement are met. The WPE must be completed before enrollment in 400-level courses.