

COMPUTER SCIENCE WITH BUSINESS FOCUS SP 2016 AND EARLIER

I. General Education Requirements

TOTAL REQUIRED FOR GENERAL EDUCATION 40 CREDITS

Students should consult with their freshman or departmental advisor when making course selections.

A. CURRICULUM AREA I - (ARTS AND HUMANITIES) 9 CREDITS

COURSE	No.	TITLE	CREDITS
ENGL	203	Fundamentals of Contemporary Speech and	3
FREN	101	Fundamentals of French I	3
FREN	102	Fundamentals of French II or	3
SPAN	101	Fundamentals of Spanish I	3
SPAN	102	Fundamentals of Spanish II	3

B. CURRICULUM AREA II - (SOCIAL AND BEHAVIORAL SCIENCES) 6 CREDITS

Students must select one course from each of two categories:

SOCIAL SCIENCES: ECON 201 or ECON 201H, ECON 202 or ECON 202H,
GEOG 201 or GEOG 202, HIST 101 or HIST 111H,
HIST 102 or HIST 112H, POLI 200 or POLI 200H,
POLI 342, SOCI 101 or SOCI 111H

BEHAVIORAL SCIENCES: CRJS 101, HUEC 203, HUEDC 220, HUEC 361,
PSYC 100, SOCI 201, SOWK 200 or SOWK 200H

C. CURRICULUM AREA III - (BIOLOGICAL AND PHYSICAL SCIENCES) 8 CREDITS

COURSE	No.	TITLE	CREDITS
BIOL	111	Principles of Biology I	3
BIOL	113	Principles of Biology I Laboratory	1
BIOL	112	Principles of Biology II	3
BIOL	114	Principles of Biology II Laboratory or	1
CHEM	111	Principles of Chemistry I	3
CHEM	113	Principles of Chemistry I Laboratory	1
CHEM	112	Principles of Chemistry II	3
CHEM	114	Principles of Chemistry II Laboratory	1

D. CURRICULUM AREA IV - (MATHEMATICS) 4 CREDITS

COURSE	No.	TITLE	CREDITS
MATH	112	Calculus I	4

E. CURRICULUM AREA V - (ENGLISH COMPOSITION) 9 CREDITS

COURSE	No.	TITLE	CREDITS
ENGL	101	Basic Composition I or	3
ENGL	101H	Basic Composition I (Honors)	3
ENGL	102	Basic Composition II or	3
ENGL	102H	Basic Composition II (Honors)	3
ENGL	305/W	Technical Writing or	3
ENGL	310/W	Advanced Composition	3

F. CURRICULUM AREA VI - (EMERGING ISSUES) 4 CREDITS

COURSE	No.	TITLE	CREDITS
CSDP	100	Computer Science Orientation	1
EXSC	111	Personalized Health Fitness	3

II. PROGRAM CORE REQUIREMENTS**TOTAL REQUIRED FOR CORE REQUIREMENTS****80 Credits****A) COMPUTER SCIENCE****47 CREDITS**

COURSE	No.	TITLE	CREDITS
CSDP	221	Introduction to Computer Programming	4
CSDP	222	Advanced Programming	4
CSDP	240	Principles of Data Processing	3
CSDP	241	File Structures	3
CSDP	250	Data Structures	3
CSDP	301	Computer Organization & Assembly Language Programming	3
CSDP	305	Software Engineering I	3
CSDP	332	Internet Programming	3
CSDP	431	Data Warehousing and Data Mining	3

Advanced (15 credits)

CSDP	390	Social, Ethical and Legal Issues in Computer Science	3
CSDP	402	Computer Networks	3
CSDP	404	Database Management Systems	3
CSDP	405	Software Engineering II	3
CSDP	490 I	Senior Design Project - Business Track	3

***COMPUTER SCIENCES ELECTIVES (CHOOSE ONE -3 CREDITS)**

CSDP	398	Computer Language Topics A: Java	3
CSDP	406	Introduction to Artificial Intelligence	3
CSDP	407	Advanced Databases	3
CSDP	498	Selected Topics in Computer Science: A	3
CSDP	499	Selected Topics in Computer Science: B	3
MATH	350	Linear Programming	3

B) MATH (IN ADDITION TO COURSES SATISFYING CURRICULUM AREA IV)**9 CREDITS**

MATH	210	Elementary Statistics	3
MATH	232	Introduction to Linear Algebra	3
MATH	323	Introduction to Discrete Structures	3

C) ECONOMICS AND BUSINESS Core (15 credits)**18 CREDITS**

ECON	201	Principles of Economics I	3
ECON	202	Principles of Economics II	3
ACCT	201	Introductory Financial Accounting	3
ACCT	202	Introductory Corporate and Managerial Accounting	3

BUSINESS ELECTIVE I (CHOOSE 1 – 3 CREDITS)MKTG 308, FINA 340, or BUAD 302 **3*****ADVANCED BUSINESS ELECTIVES (CHOOSE 1)**MKTG 310, MKTG 312, MKTG 314, MKTG 315, MKTG 401, MKTG 404,
FINA 341, FINA 440, FINA 441, BUAD 303, BUAD 412, BUAD 420 **3****D) BROADENING COURSES (IN ADDITION TO COURSES SATISFYING 1B)****6**

2 Courses in Arts, Humanities, Social Science or Behavioral Science

TOTAL PROGRAM REQUIREMENTS**120**

CURRICULUM GUIDE FOR COMPUTER SCIENCE WITH BUSINESS FOCUS

FRESHMAN YEAR

<i>First Semester</i>	<i>Credit</i>	<i>Second Semester</i>	<i>Credit</i>
BIOL 111	3	BIOL 112	3
BIOL 113 ¹ or	1	BIOL 114 ² or	1
CHEM 111	3	CHEM 112	3
CHEM 113	1	CHEM 114	1
ENGL 101	3	ENGL 102	3
CSDP 100	1	CSDP 221	4
EXSC 111 ³	3	MATH 112	<u>4</u>
SOCI 101	<u>3</u>		15
	14		

SOPHOMORE YEAR

<i>First Semester</i>	<i>Credit</i>	<i>Second Semester</i>	<i>Credit</i>
ACCT 201	3	PSYC 100	3
ECON 201	3	ACCT 202	3
ENGL 203	3	ECON 202	3
CSDP 222	4	FREN 102 or	
FREN 101 or		SPAN 102	3
SPAN 101	<u>3</u>	CSDP 250	<u>3</u>
	16		15

JUNIOR YEAR

<i>First Semester</i>	<i>Credit</i>	<i>First Semester</i>	<i>Credit</i>
MATH 210	3	CSDP 241	3
CSDP 240	3	CSDP 305	3
MATH 232	3	CSDP 332	3
Elective ⁴	3	CSDP 390	3
ENGL 305	<u>3</u>	MATH 323	<u>3</u>
	15		15

SENIOR YEAR

<i>First Semester</i>	<i>Credit</i>	<i>Second Semester</i>	<i>Credit</i>
CSDP 301	3	Elective ⁵	3
CSDP 404	3	CSDP 490	3
CSDP 405	3	CSDP Elective ⁶	3
CSDP 402	3	CSDP 431	3
GEN CURR AREA I or II ⁷	<u>3</u>	GEN CURR AREA I or II ⁷	<u>3</u>
	14		15

Total Credits Hours 120

¹Students must select BIOL 111 and 113 or CHEM 111 and 113.

²Student must selection BIOL 112 and 114 or CHEM 112 and 114.

³EXSC 111 **cannot** be repeated for credit.

⁴Student must select Business Elective.

⁵Student must select an Advanced Business Elective

⁶Student must select an Advanced CSDP Elective

⁷Student must select either from Arts, Humanities, Social Science or Behavioral Science

