



## Transfer Guide Science-Biology Secondary Education

A Maximum of 70 semester hours transfers to USF.

University of St. Francis	Joliet Junior College	
<b>Literacy</b>		
College Writing I College Writing II Speech Communication	ENG 101 ENG 102 COMM 101	Rhetoric I Rhetoric II Principles of Speech Communication
<b>Literary Inquiry</b>		
Introduction to Literature	ENG 103 ENG 104 ENG 105 ENG 106 ENG 107 ENG 108 ENG 208 ENG 209 ENG 220 ENG 250	American Literature American Literature Survey of English Literature Survey of English Literature Contemporary Lit 1900-1950 Contemporary Lit 1950-present Masterpieces of Western Civ. Masterpieces of Western Civ. Non-Western Lit. in Trans. Introduction to Shakespeare
<b>Aesthetic Awareness</b>		
One course (3 semester hours)	ART 101 ART 102 ART 103 ART 104 ART 105 ART 106 ART 111 ART 115 ART 116 ART 117 MUS 101 MUS 102 MUS 103 MUS 104 MUS 105 MUS 106 THEA 101	Drawing I Drawing II 2D Design 3D Design Painting I Painting II Ceramics I Intro to Ancient & Medieval Art Intro to Ren & Baroque Art Intro to Modern Art Exploration of Music Literature Exploration of American Music Evolution of Jazz Fundamentals of Music Theory of Music Theory of Music Introduction to Theatre
<b>Humanities/Fine Arts</b>		

Bigger thinking. Brighter purpose.



One course (3 semester hours) in history, creative arts, or literature	Select one from the suggested literature, humanities/fine arts, history	
<b>Numerical Understanding</b>		
One course (3 semester hours): must be an approved course at a level above Intermediate Algebra	MATH 170	Calculus/Analytic Geometry I
<b>Scientific Inquiry</b>		
One Course (3 semester hours)	Satisfied through Major	
<b>Numerical/Scientific/Computer Science Inquiry</b>		
One course (3 semester hours) numerical science, scientific inquiry or computer science	Satisfied through Major	
<b>Historical Understanding</b>		
One course (3 semester hours)	HIST 103 HIST 104 HIST 105 HIST 106 HIST 107 HIST 108 HIST 230 HIST 240 HIST 260 HIST 290	History of the U.S. to 1865 History of the U.S. 1865 to present History of Civilization I History of Civilization II World History to 1500 World History since 1500 History of the Middle East History of Latin America History of the Middle East History of Africa
<b>Social Awareness</b>		
Two courses (6 semester hours) each from a different discipline in psychology, economics, geography, sociology, political science or recreation administration	ANTH 101 ANTH 275 ECON 103 ECON 104 GEOG 102 GEOG 104 GEOG 106	Introduction to Anthropology Cultural Anthropology Principles of Economics I (Macro) Principles of Economics II (Micro) World Regional Geography Intro to Economic Geography Cultural Geography American National

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	PSCI 101 Government PSCI 102 American State & Local Govt PSCI 103 Intro to Comparative PSYC 101 Government PSYC 208 General Psychology PSYC 210 Social Psychology SOC 101 Child & Adolescent SOC 270 Development SOC 280 Introduction to Sociology SOC 290 Marriage and Family Sociology of Social Problems Cultural Diversity in America  Any foreign language
<b>Philosophical Inquiry</b>	
Two courses (6 semester hours): First course: Intro to Philosophy  Second course:	PHIL 101 Introduction to Philosophy PHIL 102 History of Philosophy  PHIL 102 History of Philosophy PHIL 103 Introduction to Ethics PHIL 104 Introduction to Logic
<b>Religious Foundations</b>	
Two courses (6 semester hours): First course: Introduction to Theology Second course:	Must be taken at USF  SOC 240 Intro to Comparative Religion

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<b>Biology Major Courses</b>	
BIOL 150 Fund of Ecology and Evolution	Must be taken at USF
BIOL 160 Cell Biology	BIO 152 General Biology II
BIOL 151 Beg. Investigative Experience	Must be taken at USF
BIOL 255 Genetics	Must be taken at USF
BIOL 375 Adv. Investigative Experience I	Must be taken at USF
BIOL 376 Adv. Investigative Experience II	Must be taken at USF
BIOL 410 Senior Seminar	Must be taken at USF
Biology Electives Must take 5 Biology Elective Courses, three must be at 300-400 level	Choose from: BIO 240 Microbiology BIO 250 <b>and</b> BIO 251 Human Anatomy and Physiology I and II 300-400 level must be taken at USF
<b>Required Chemistry &amp; Physics Courses</b> CHEM 121/123 General Chem I/Lab  CHEM 122/124 General Chem II/Lab  CHEM 224/225 Organic Chem I/Lab  PSCI 111 General Physics I	CHEM 101 General Chemistry I  CHEM 102 General Chemistry II  CHEM 209 Organic Chemistry I  PHYS 101 General Physics I
<b>Mathematics</b> <b>Select one from the following:</b> MATH 175 – Statistics MATH 181 – Calculus w/ Analytic Geo MATH 170 – Applied Calculus	Must take at USF MATH 170 Calculus w/Analytic Geo MATH 150 Math Analysis

<b>Education Major Courses</b>	
EDUC 210 Teaching in a Diverse Society	EDUC 101 Introduction to Education

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EDUC 220 Educational Psychology	PSYC 102 Educational Psychology (PSYC 101 is a prerequisite.)
EDUC 230 Learners w/ Exceptional and Diverse Needs	EDUC 240 Students with Disabilities in School
EDUC 225 Technology for Teaching and Learning	CIS 128 Computers for Educators

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