



Transfer Guide Science-Biology Secondary Education

A Maximum of 70 semester hours transfers to USF.

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

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
Numerical Understanding	
One course (3 semester hours): must be an approved course at a level above Intermediate Algebra	MATH 170 Calculus/Analytic Geometry I
Scientific Inquiry	
One Course (3 semester hours)	Satisfied through Major
Numerical/Scientific/Computer Science Inquiry	
One course (3 semester hours) numerical science, scientific inquiry or computer science	Satisfied through Major
Historical Understanding	
One course (3 semester hours)	HIST 103 History of the U.S. to 1865 HIST 104 History of the U.S. 1865 to present HIST 105 History of Civilization I HIST 106 History of Civilization II HIST 107 World History to 1500 HIST 108 World History since 1500 HIST 230 History of the Middle East HIST 240 History of Latin America HIST 260 History of the Middle East HIST 290 History of Africa
Social Awareness	
Two courses (6 semester hours) each from a different discipline in psychology, economics, geography, sociology, political science or recreation administration	ANTH 101 Introduction to Anthropology ANTH 275 Cultural Anthropology ECON 103 Principles of Economics I (Macro) ECON 104 Principles of Economics II (Micro) GEOG 102 World Regional Geography GEOG 104 Intro to Economic Geography GEOG 106 Cultural Geography PSCI 101 American National Government PSCI 102 American State & Local Govt PSCI 103 Intro to Comparative Government PSYC 101 General Psychology PSYC 208 Social Psychology

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	PSYC 210 Child & Adolescent Development SOC 101 Introduction to Sociology SOC 270 Marriage and Family SOC 280 Sociology of Social Problems SOC 290 Cultural Diversity in America Any foreign language
Philosophical Inquiry	
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
Religious Foundations	
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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Biology Major Courses	
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 and BIO 251 Human Anatomy and Physiology I and II 300-400 level must be taken at USF
Required Chemistry & Physics Courses 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
Mathematics Select one from the following: 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

Education Major Courses	
EDUC 210 Teaching in a Diverse Society	EDUC 101 Introduction to Education
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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