



Transfer Guide Biology

Students who have completed the IAI (Illinois Articulation Initiative) or A.A. or A.S requirements have satisfied the general education requirements for USF except for Philosophy and Theology. A Maximum of 70 semester hours transfers to USF.

University of St. Francis	Joliet Junior College	
Literacy		
College Writing I College Writing II Speech Communication	ENG 101 ENG 102 COMM 101	Rhetoric I Rhetoric II Principles of Speech Communication
Literary Inquiry		
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
Aesthetic Awareness		
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	Drawing I Drawing II 2D Design 3D Design Painting I Painting II Ceramics I Intro to Ancient & Medieval Art Intro to Renaissance & 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

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	THEA 101	Introduction to Theatre
Humanities/Fine Arts		
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 Required courses for major are also in BOLD	MATH 124 MATH 127 MATH 128 MATH 150 MATH 153 MATH 170 MATH 171 BUS 205	Math for Teachers II Mathematics for General Education Introduction to Statistics Calculus for Business Finite Mathematics Calculus/Analytic Geometry I Calculus/Analytic Geometry II Business Statistics
Scientific Inquiry		
One Course (3 semester hours) Required courses for major are also in BOLD	ASTR 101 BIO 104 BIO 105 BIO 107 BIO 125 BIO 144 BIO 146 BIO 151 BIO 152 CHEM 100 CHEM 101 CHEM 102 CHEM 104 CHEM 108	Descriptive Astronomy Biological Diversity Microbes and You Plants and Society Human Biology Introduction to Human Heredity Ecological Conservation General Biology I General Biology II Fundamentals of Chemistry General Chemistry I General Chemistry II Chemistry and Society Elementary Organic Chemistry Physical Geog - Weather/ Climate Physical Geog - Landforms Principles of Physical Geology Basic Physics General Physics I

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	<p>GEOG 111 General Physics II Physical Science</p> <p>GEOG 112</p> <p>GEOL 101</p> <p>PHYS 100</p> <p>PHYS 101</p> <p>PHYS 102</p> <p>PHSCI 120</p>
Numerical/Scientific/Computer Science Inquiry	
One course (3 semester hours)	This requirement will be satisfied through the major
Historical Understanding	
One course (3 semester hours)	<p>HIST 103 History of the U.S. to 1865</p> <p>HIST 104 History of the U.S. 1865 to present</p> <p>HIST 105 History of Civilization I</p> <p>HIST 106 History of Civilization II</p> <p>HIST 107 World History to 1500</p> <p>HIST 108 World History since 1500</p> <p>HIST 230 History of the Middle East</p> <p>HIST 240 History of Latin America</p> <p>HIST 260 History of the Middle East</p> <p>HIST 290 History of Africa</p>
Social Awareness	
Two courses (6 semester hours) each from a different discipline in psychology, economics, geography, sociology, political science or recreation administration	<p>ANTH 101 Introduction to Anthropology</p> <p>ANTH 275 Cultural Anthropology</p> <p>ECON 103 Principles of Economics I (Macro)</p> <p>ECON 104 Principles of Economics II (Micro)</p> <p>GEOG 102 World Regional Geography</p> <p> Intro to Economic Geography</p> <p>GEOG 104 Cultural Geography</p> <p> American National Government</p> <p>GEOG 106 American State & Local Government</p> <p>PSCI 101 Intro to Comparative Government</p>

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	PSCI 102 General Psychology PSCI 103 Social Psychology PSYC 101 Child & Adolescent Development PSYC 208 Introduction to Sociology PSYC 210 Marriage and Family SOC 101 Sociology of Social Problems SOC 270 Cultural Diversity in America SOC 280 SOC 290 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	
BIOL 150 Fund of Ecology and Evolution	BIO 152 General Biology II
BIOL 160 Cell Biology	Must be taken at USF
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 101 General Chemistry I

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CHEM 122/124 General Chem II/Lab CHEM 224/225 Organic Chem I/Lab PSCI 111 General Physics 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

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