



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	ENG 101	Rhetoric I
College Writing II	ENG 102	Rhetoric II
Speech Communication	SPCH 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 Renaissance & 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	

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Humanities/Fine Arts	
One course (3 semester hours) in foreign language, history, creative arts, or literature	Select one from the suggested literature, humanities/fine arts, history or any foreign language
Numerical Understanding	
One course (3 semester hours): must be an approved course at a level above Intermediate Algebra	MATH 124 Math for Teachers II MATH 127 Mathematics for General Education MATH 128 Introduction to Statistics MATH 150 Calculus for Business MATH 153 Finite Mathematics MATH 170 Calculus/Analytic Geometry I MATH 171 Calculus/Analytic Geometry II BUS 205 Business Statistics
Required courses for major are also in BOLD	
Scientific Inquiry	
One Course (3 semester hours)	ASTR 101 Descriptive Astronomy BIO 104 Biological Diversity BIO 105 Microbes and You BIO 107 Plants and Society BIO 125 Human Biology BIO 144 Introduction to Human Heredity BIO 146 Ecological Conservation BIO 151 General Biology I BIO 152 General Biology II CHEM 100 Fundamentals of Chemistry CHEM 101 General Chemistry I CHEM 102 General Chemistry II CHEM 104 Chemistry and Society CHEM 108 Elementary Organic Chemistry GEOG 111 Physical Geog – Weather/ Climate GEOG 112 Physical Geog – Landforms GEOL 101 Principles of Physical Geology PHYS 100 Basic Physics PHYS 101 General Physics I PHYS 102 General Physics II PHSCI 120 Physical Science
Required courses for major are also in BOLD	
Numerical/Scientific/Computer Science Inquiry	
One course (3 semester hours)	This requirement will be satisfied through the major

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Historical Understanding		
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
Social Awareness		
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 PSCI 101 PSCI 102 PSCI 103 PSYC 101 PSYC 208 PSYC 210 SOC 101 SOC 270 SOC 280 SOC 290	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 Government American State & Local Government Intro to Comparative Government General Psychology Social Psychology Child & Adolescent Development Introduction to Sociology Marriage and Family Sociology of Social Problems Cultural Diversity in America
Philosophical Inquiry		
Two courses (6 semester hours): First course: Intro to Philosophy	PHIL 101 PHIL 102	Introduction to Philosophy History of Philosophy
Second course:	PHIL 102 PHIL 103 PHIL 104	History of Philosophy Introduction to Ethics Introduction to Logic

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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 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	Must take at USF

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MATH 181 – Calculus w/ Analytic Geo	MATH 170 Calculus w/Analytic Geo
MATH 170 – Applied Calculus	MATH 150 Math Analysis

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