



Transfer Guide Computer Science

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	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 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	

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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	MATH 124	Math for Teachers II
	MATH 127	Mathematics for General Education
	MATH 128	Introduction to Statistics
	MATH 150	Calculus for Business
Required courses for major are also in BOLD	MATH 153	Finite Mathematics
	MATH 170	Calculus/Analytic Geometry I
	MATH 171	Calculus/Analytic Geometry II
	BUS 205	Business Statistics
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
Numerical/Scientific/Computer Science Inquiry		
One course (3 semester hours) numerical	This requirement will be satisfied through major course	

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science, scientific inquiry or computer science	work.
Historical Understanding	
One course (3 semester hours)	<p>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</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 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 Government PSCI 103 Intro to Comparative Government PSYC 101 General Psychology PSYC 208 Social Psychology 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</p> <p style="text-align: right;">Any foreign language</p>
Philosophical Inquiry	
Two courses (6 semester hours): First course: Intro to Philosophy	<p>PHIL 101 Introduction to Philosophy PHIL 102 History of Philosophy</p>
Second course:	PHIL 102 History of Philosophy

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	PHIL 103 Introduction to Ethics PHIL 104 Introduction to Logic
Religious Foundations	
Two courses (6 semester hours): First course: Introduction to Theology	Must be taken at USF
Second course:	SOC 240 Intro to Comparative Religion

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Computer Science	
COMP 135 Introduction to Information Technology	Waived for transfer students with 6 s.h. or more of computer science transfer credit of CIS 122
COMP 140 Computer Science I	CIS 236 Programming in C
COMP 150 Computer Science II	CIS 246 Advanced C using C++
COMP 200 Microcomputer Systems	CIS 275 PC Troubleshooting and Tool or CIS 276 Advanced PC and Troubleshooting and Assembly
COMP 201 Introduction to DBMS	CIS 152 Database Management Systems for Microcomputers or CIS 211 Database Mgmt System
COMP 253 Java with Data Structures	CIS 261 Java Programming
COMP 254 Advance Data Structures	Must be taken at USF
COMP 335 Operating Systems	Must be taken at USF
COMP 356 Theory of Programming Languages	Must be taken at USF
COMP 400 Database Management	Must be taken at USF
COMP 480 Senior Project	Must be taken at USF
MATH 175 Statistics	BUS 205 Business Statistics
MATH 181 Calculus with Analytic Geometry I	MATH 170 Calculus with Analytic Geometry I
MATH 182 Calculus with Analytic Geometry II	MATH 171 Calculus with Analytic Geometry II
MATH 326 Discrete Mathematics or approved math elective	Must be taken at USF or MATH 172 or 210

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Approved Upper Division Computer Science courses to total 12 s.h.	Must be taken at USF
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