



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 College Writing II Speech Communication	ENG 101 ENG 102 SPCH 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 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
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		

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One course (3 semester hours) numerical science, scientific inquiry or computer science	This requirement will be satisfied through major course work.	
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 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
Philosophical Inquiry		
Two courses (6 semester hours): First course: Intro to Philosophy	PHIL 101	Introduction to Philosophy
	PHIL 102	History of Philosophy
Second course:	PHIL 102	History of Philosophy
	PHIL 103	Introduction to Ethics
	PHIL 104	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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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	Must be taken at USF or MATH 172 or 210

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

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