



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 Rhetoric I ENG 102 Rhetoric II 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 Art MUS 101 Intro to Modern Art MUS 102 Exploration of Music Literature MUS 103 Exploration of American Music MUS 104 Evolution of Jazz MUS 105 Fundamentals of Music MUS 106 Theory of Music

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	THEA 101	Theory of Music 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)	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	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

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	108 GEOG 111 GEOG 112 GEOL 101 PHYS 100 PHYS 101 PHYS 102 PHSCI 120	Basic Physics General Physics I General Physics II Physical Science
Numerical/Scientific/ Computer Science Inquiry		
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 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	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

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	106 Government PSCI 101 Intro to Comparative PSCI 102 Government PSCI 103 General Psychology PSYC 101 Social Psychology PSYC 208 Child & Adolescent Development PSYC 210 Introduction to Sociology SOC 101 Marriage and Family SOC 270 Sociology of Social Problems SOC 280 Cultural Diversity in America SOC 290 Any foreign language
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
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

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

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