

USF TRANSFER GUIDE

*Begin at Joliet Junior College!
Finish at the University of St. Francis!*

Mathematics

Mathematics, Mathematics/Actuarial Science, Mathematics and Computer Science

The Mathematics department at the University of St. Francis offers majors in **Mathematics, Mathematics and Computer Science and a concentration in Actuarial Science**. Students selecting **Actuarial Science** should plan to complete the first two actuarial examinations prior to graduation. The **Mathematics and Computer science** program is a blend of courses from the mathematics and computer science programs, designed to provide the student with the essential theoretical and practical elements of computer science as well as a significant background in mathematical theory and reasoning. The following lists the equivalent courses at JJC fulfilling the core courses common to all Mathematics majors within the bachelor's degree and the required upper division requirements for each concentration. JJC students completing the associate degree should consult the JJC catalog and meet with an academic advisor at JJC.

Mathematics

University of St. Francis	Joliet Junior College
MATH 175 Statistics	BUS 205 Business Statistics
MATH 181 Calculus with Analytic Geometry I	MATH 170 Calculus with Analytic Geometry
MATH 182 Calculus with Analytic Geometry II	MATH 171 Calculus with Analytic Geometry II
MATH 271 Calculus III	MATH 172 Calculus with Analytic Geometry III
MATH 275 Linear Algebra	MATH 210 Linear Algebra
MATH 280 Differential Equations	MATH 220 Differential Equations and Orthogonal Functions
MATH 326 Discrete Mathematics	USF
MATH 331 Mathematical Statistics I	USF
MATH 351 College Geometry	USF
MATH 371 Introduction to Analysis	USF
MATH 375 Abstract Algebra I	USF
MATH 490 Senior Seminar	USF
MATH Elective (300-400 level)	USF
MATH Elective (300-400 level)	USF

Mathematics with Computer Science

Required Mathematics Courses:	
MATH 175 Statistics	BUS 205 Business Statistics
MATH 181 Calculus with Analytic Geometry I	MATH 170 Calculus with Analytic Geometry
MATH 182 Calculus with Analytic Geometry II	MATH 171 Calculus with Analytic Geometry II
MATH 271 Calculus III	MATH 172 Calculus with Analytic Geometry III
MATH 275 Linear Algebra	MATH 210 Linear Algebra
MATH 326 Discrete Mathematics	USF
MATH 331 Mathematical Statistics I	USF
MATH 365 Operations Research	USF
MATH 370 Applied Regression Analysis	USF
MATH 380 Numerical Analysis	USF
Required Computer Science Courses:	
COMP 135 Introduction to Information Technology	Waived for transfer students with 6 s.h. or more of CS courses
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 276 Advanced PC Troubleshooting and Assembly
COMP 253 Java	CIS 261 Java Programming
COMP 254 Advanced data Structures	USF
COMP 335 Operating systems	USF
COMP 360 Assembler	USF
COMP 400 Database Management	USF
COMP Elective (300-400 level)	USF
COMP Elective (300-400 level)	USF
MATH 490 Senior Project or COMP 480 Senior Seminar (1 s.h)	USF



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Mathematics with Concentration in Actuarial Science

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MATH 175 Statistics	BUS 205 Business Statistics
MATH 181 Calculus with Analytic Geometry I	MATH 170 Calculus with Analytic Geometry
MATH 182 Calculus with Analytic Geometry II	MATH 171 Calculus with Analytic Geometry II
MATH 271 Calculus III	MATH 172 Calculus with Analytic Geometry III
MATH 275 Linear Algebra	MATH 210 Linear Algebra
MATH 280 Differential Equations	MATH 220 Differential Equations and Orthogonal Functions
MATH 290 Theory of Interest	USF
MATH 331 Mathematical Statistics I	USF
MATH 332 Mathematical Statistics II	USF
MATH 365 Operations Research	USF
MATH 370 Applied Regression Analysis	USF
MATH 380 Numerical Analysis	USF
MATH 490 Senior Seminar	USF
Required Support Courses:	
BSAD 101 Principles of Macroeconomics	ECON 103 Principles of Economics I (Macroeconomics)
BSAD 102 Principles of Microeconomics	ECON 104 Principles of Economics II (Microeconomics)
BSAD 125 Financial Accounting	ACCY 101 Accounting I
BSAD 126 Managerial Accounting	ACCY 102 Accounting II
BSAD 211 Intermediate Macroeconomics	USF
BSAD 212 Intermediate Microeconomics	USF
BSAD 242 Principles of Finance	FIN 201 Principles of Corporation Finance
BSAD 340 Principles of Insurance	USF
BSAD 345 Investments	USF
BSAD 358 Capital Budgeting	USF
COMP 140 Computer Science I	CIS 236 Programming in C

Your next step: Contact the Office of Admissions (800) 735-7500
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