

# COMPUTER SCIENCE TRANSFER GUIDE



This transfer guide will be useful to you as a transfer student, listing the general education courses along with the major requirements to assist you with your transition to Saint Xavier University. The front page lists the courses needed to satisfy the requirements for the Illinois Articulation Initiative General Education Core Curriculum referred to as the IAI/GECC. This agreement allows students to complete the majority of their general education requirements with the exception of three general education courses: Religious Studies, Philosophy 150 and an Interdisciplinary Studies course. Students must also satisfy the requirements for the major and reach a minimum of 120 credit hours. More details are available on the back.

Joliet Junior College	Illinois Articulation Initiative Details
<p><b>Communication</b>            ENG 101 – Composition I            ENG 102 – Composition II            SPCH 101 – Principles of Speech Communication</p>	<p><b>9 Credit Hours</b>            Three courses are required, two-courses in writing, <b>ENG 101 and ENG 102</b>, and oral communication <b>SPCH 101</b>.</p>
<p><b>Mathematics</b>            BUS 205 – Business Statistics            MTH 137 – Discrete Mathematics</p>	<p><b>3-6 Credit Hours</b>            It's recommended that Computer Science majors take <b>BUS 205</b> Business Statistics as it is a requirement for the bachelor of science degree.</p>
<p><b>Physical and Life Sciences</b>  <b>Physical Sciences</b>            ASTR 101; CHEM 100, 101, 104; GEOG 111, 112;            GEOL 101; PHSCI 125; PHYS 100, 101, 201.  <b>Life Sciences</b>            BIO 104, 105, 106, 107, 125, 144, 146, 149, 151.</p>	<p><b>7-8 Credit Hours</b>            Students must complete <b>1 Life Science</b> and <b>1 Physical Science</b> course according to the IAI.</p>
<p><b>Humanities and Fine Arts</b>  <b>Fine Arts</b>            ART 109, 115, 116, 117; ENG 190; MUS 101, 102, 103; MUSIC 107; THEA 101.  <b>Humanities</b>            ENG 103, 104, 105, 106, 109, 201, 202, 203, 208, 209, 220, 250, 260, 270; FRCH 104; HIST 105, 106;            PHIL 101, 102, 103, 104, 105; SOC 240; SPAN 104.</p>	<p><b>9 Credit Hours</b>            Students must take <b>1 Fine Arts, 1 Humanities</b> and <b>1 Humanities or Fine Arts course</b>. 9 credit hours are required to complete the IAI.    <b>Fine Arts:</b> ART, ENG, MUS, MUSIC, THEA  <b>Humanities:</b> ENG, FRCH, HIST, PHIL, SOC, SPAN</p>
<p><b>Social and Behavioral Sciences</b>            ANTH 101, 275; ECON 103, 104; GEOG 102, 104, 106; HIST 103, 104, 107, 108, 260, 290; PSCI 101, 102, 103; PSYC 101, 208, 210, 215; SOC 101, 220, 270, 280, 290.</p>	<p><b>9 Credit Hours</b>            Students must take <b>3 social science</b> courses from at least <b>2 different disciplines</b>, or subject areas.  <b>Social Sciences:</b> ANTH, ECON, GEOG, HIST, PSCI, PSYC, SOC.</p>

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## SXU COMPUTER SCIENCE MAJOR

The major in computer science is a classic generalist program enhanced by support courses in mathematics. The emphasis of study in this program is on problem solving and computer science theory. Graduates of this program will be prepared for entry into graduate schools and for entry into a variety of positions in business and industry with a sound foundation for future advancement based on technical competence, liberal education and effective communication skills. Decisions concerning the nature of each student's study in computer science are made with particular attention to previous preparation and individual educational plans. Majors in computer science will find courses in mathematics, business, natural science and physics are good selections to complement this program of study.

### COMPUTER SCIENCE CORE REQUIREMENTS

CMPSC 112 – Survey of Computer Science (3)  
CMPSC 202 – Principles of Programming I (4)  
(CIS 236 @ JJC)  
CMPSC 203 – Principles of Programming II (4)  
(CIS 246 & JJC)  
CMPSC 255 – Fundamentals of Computer Networking (3)  
(CIS 154 @ JJC)  
CMPSC 301 – Operating Systems (3)  
CMPSC 309 – Issues in Computing (3)  
CMPSC 311 – Data Structures (4) (CIS 269 @ JJC)  
CMPSC 321 – Relational Database Theory and Design (4)  
(CIS 242 @ JJC)  
CMPSC 345 – Computer Systems and Organization (4)  
CMPSC 351 – Algorithm Analysis and Design (3)  
CMPSC 390 – Software Engineering (4)

### COMPUTER SCIENCE ELECTIVES

Three other courses offered by the department at the 200-level or above.

### MATH REQUIREMENTS

MATH 132 – Business Statistics – (BUS 205 @ JJC)  
MATH 200 – Introduction to Discrete Mathematics  
(MATH 137 @ JJC)

## TRANSFER STUDENTS WITH MORE THAN 30 HOURS

Students who have completed the Illinois Articulation Initiative General Education Core Curriculum (IAI/GECC) requirements (37-41 credit hours) must take the following additional mission-based courses at SXU in order to fulfill their general education requirements:

**Philosophy 150: The Examined Life** (3 credit hours)  
**One Religious Studies course** (3 credit hours)  
**Level III Interdisciplinary Seminar** (3 credit hours)

Students who enter the University with all but 6 hours of the IAI/GECC can complete the requirements at Saint Xavier University. All other transfer students will be evaluated on an individual basis in terms of SXU General Education requirements.

For more information, contact [advising@sxu.edu](mailto:advising@sxu.edu).

## Transcripts

Joliet Junior College transcripts can be requested online at [www.jjc.edu](http://www.jjc.edu) or in person by going to the Main Campus at 1215 Houbolt Rd., Joliet, Il., Campus Center, room A-1020.

## Transfer Course Lists

For more information on how other courses may transfer to SXU please visit [www.sxu.edu](http://www.sxu.edu), **Keyword: Course Lists**. You may also contact the Office of Admission or Records and Advising at the phone numbers below.

### Office of Admission

(773) 298-3050

[admission@sxu.edu](mailto:admission@sxu.edu)

### Records and Advising

(773) 298-3501

[advising@sxu.edu](mailto:advising@sxu.edu)

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