

# 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.

Prairie State College	Illinois Articulation Initiative Details
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<p><b>Communication</b></p> <p>ENG 101 – Composition I            ENG 102 – Composition II            COMM 101 – Principles of Communication</p>	<p style="text-align: right;"><b>9 Credit Hours</b></p> <p>Three courses are required, two-courses in writing, <b>ENG 101</b> and <b>ENG 102</b>, and oral communication <b>COMM 101</b>.</p>
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<p><b>Mathematics</b></p> <p>BUS 240 – Statistics            MATH 210 – Discrete Mathematics</p>	<p style="text-align: right;"><b>3-6 Credit Hours</b></p> <p>It's recommended that Computer Science majors take <b>BUS 240</b> Business Statistics as it is a requirement for the bachelor of science degree.</p>
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<p><b>Physical and Life Sciences</b></p> <p><b>Life Science</b> : BIOL 100, 103, 105, 106, 112  <b>Physical Science</b> : ASTRO 101, 104; CHEM 105, 110; GEOG 105; GEOLO 101; METEO 150; PHYSC 111, 112; PHYSI 101, 120 210</p>	<p style="text-align: right;"><b>7-8 Credit Hours</b></p> <p>Students must complete <b>1 Life Science</b> and <b>1 Physical Science</b> course according to the IAI.</p>
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<p><b>Humanities and Fine Arts</b></p> <p><b>Fine Arts</b>            ART 121, 122, 126, 129, 131; MUSIC 130, 132; THTRE 101; SPAN 202</p> <p><b>Humanities</b>            HUMAN 101, 102, 201, 202; ENG 211, 212, 215, 221, 231, 232, 240, 243, 252, 256, 261, 262, 271            PHILO 201, 202, 203, 204, 205</p>	<p style="text-align: right;"><b>9 Credit Hours</b></p> <p>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.</p> <p style="text-align: right;"><b>Fine Arts:</b> ART, MUSIC, THTRE, SPAN  <b>Humanities:</b> HUMAN, ENG, PHILO</p>
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<p><b>Social and Behavioral Sciences</b></p> <p>ANTHR 215, 222; ECON 201, 202; GEOG 101; HIST 111, 112, 115, 116, 140, 151, 152, 201, 202; POLSC 101, 140, 152, 230, 240; PSYCH 101, 102, 215; SOCIO 101, 111, 210, 215, 220</p>	<p style="text-align: right;"><b>9 Credit Hours</b></p> <p>Students must take <b>3 social science</b> courses from at least <b>2 different disciplines</b>, or subject areas.</p> <p style="text-align: right;"><b>Social Sciences:</b> ANTHR, ECON, GEOG, HIST, POLSC, PSYCH, SOCIO</p>
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# COMPUTER SCIENCE TRANSFER GUIDE

## 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)  
(ITPRG 144, 147, or 154 @ PSC)  
CMPSC 203 –Principles of Programming II (4)  
CMPSC 255 – Fundamentals of Computer Networking (3)  
(ITNET 165 @ PSC)  
CMPSC 301 – Operating Systems (3)  
CMPSC 309 – Issues in Computing (3) (ITPRG 205 @ PSC)  
CMPSC 311 – Data Structures (4)  
CMPSC 321 – Relational Database Theory and Design (4)  
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 240 @ PSC)  
MATH 200 – Introduction to Discrete Mathematics  
(MATH 210 @ PSC)

## 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

Students can request their official Prairie State College transcripts by filling out the transcript request form online at [www.prairiestate.edu](http://www.prairiestate.edu), in the Enrollment Services Office or the Business Services Office.

## 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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