

## 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.

## College of DuPage

## Illinois Articulation Initiative Details

**Communication**

ENGLISH 1101 – Composition  
 ENGLISH 1102 – Composition II  
 SPEECH 1100 – Fundamentals of Speech

**9 Credit Hours**

Three courses are required, two-courses in writing, **ENGLISH 1101** and **ENGLISH 1102**, and oral communication **SPEECH 1100**.

**Mathematics**

MATH 1365 – Business Statistics  
 MATH 2115 – Discrete Mathematics

**3-6 Credit Hours**

It's recommended that Computer Science majors take **MATH 1365** Business Statistics as it is a requirement for the bachelor of science degree.

**Physical and Life Sciences**

**Physical Science:** CHEMI 1105, 1205, 1211, 1551 EARTH1101, 1102, 1110, 1111, 1115, 1122, 1124, 1126, 1130, 1135, 1140, 1141 PHYSI 1100, 1150, 1201, 2111  
**Life Science:** ANAT 1500, 1551, 1571, BIOLO 1100, 1110, 1120, 1130, 1151, BOTAN 1310 MICRO 1420, 220

**7-8 Credit Hours**

Students must complete **1 Life Science** and **1 Physical Science** course according to the IAI.

**Humanities and Fine Arts****Humanities**

CHINE, RUSSI, ITALI, JAPAN, KOREA 2202 ENGLI 1130, 1150, 1151, 1152, 1153, 1154, 1158, 1159, 1160, 1161, 1165, 2220, 2221, 2223, 2224, 2226, 2227, 2228, 2262 FRENC 2202, 2251, 2252 GERMA 2200, 2202, 2251, 2252 HISTO 1110, 1120, 1160, 2205, 2220, 2225, 2230, 2235 HUMNT 1102, 1103, 1105, 1110, 2019 PHILO 1100, 1110, 1116, 1120, 1125, 1150, 2012, 2011, 2050 RELIG 1100, 1110, 1120, 1150, 1155, 2160 SPANI 2202, 2206, 2208, 2251, 2252

**9 Credit Hours****Fine Arts**

ART 1100, 2211, 2212, 2213, 2214 ENGLI 1135, 1154 HUMNT 1101, 1105, 1110, 2019 MUSIC 1100, 1104, 1115 THEAT 1100

Students must complete **1 Humanities**, **1 Fine Arts**, and **1 Humanities or Fine Arts** course according to the IAI.

**Social and Behavioral Sciences**

ANTHR 1000, 1100, 1105, 1125, 1130, 1200 ECONO 2200, 2201, 2202 GEOGR 1100, 1105, 1120, 1130, 1140 HISTO 1130, 1140, 2210, 2215, 2260 POLS 1100, 1101, 2203, 2220 PSYCH 1100, 2230, 2230, 2233, 2235, 2237, 2240 SOCIO

**9 Credit Hours**

Students must take **3 social science** courses from at least **2 different disciplines**, or subject areas.

**Social Sciences:** ECONO, POLS, ANTHR, PSYCH, SOCIO, GEOGR, HISTO

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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)  
(CIS 1150 @ COD)  
CMPSC 202 – Principles of Programming I (4) (CIS 2480, 2485, 2541, 2551, 2552, 2561, or 2571 @ COD)  
CMPSC 203 –Principles of Programming II (4) (CIS 2542, 2562, or 2572 @ COD)  
CMPSC 255 – Fundamentals of Computer Networking (3)  
(CIS 1180 @ COD)  
CMPSC 301 – Operating Systems (3) (CIS 1600 @ COD)  
CMPSC 309 – Issues in Computing (3)  
CMPSC 311 – Data Structures (4) (CIS 2573 @ COD)  
CMPSC 321 – Relational Database Theory and Design (4)  
(CIS 1230 or 2720 @ COD)  
CMPSC 345 – Computer Systems and Organization (4)  
(CIS 2430 @ COD)  
CMPSC 351 – Algorithm Analysis and Design (3)  
CMPSC 390 – Software Engineering (4) (CIS 2790 @ COD)

### COMPUTER SCIENCE ELECTIVES

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

### MATH REQUIREMENTS

MATH 132 – Business Statistics (MATH 1365 @ COD)  
MATH 200 – Introduction to Discrete Mathematics  
(MATH 2115 @ COD)

## 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 College of DuPage transcripts by filling out the transcript request form online at [www.myaccess.cod.edu](http://www.myaccess.cod.edu) or send a written request to COD Records Office, 425 Fawell Blvd, Glen Ellyn, IL 60137.

## 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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