**PATHWAY: Computer Science**

Visit your College Advisor, ccc.edu, or your college’s Transfer Center for more information.

This is an example course sequence for students interested in pursuing Computer Science. This does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn an Associate in Science (AS) degree. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below. Following this pathway will help you get your associate degree, which will increase your chances of transfer to bachelor’s-level programs of study. Choose Illinois Articulation Initiative (IAI) courses to fulfill general education requirements whenever possible. Visit www.itransfer.org and speak with your college advisor to learn more about IAI.

DEGREE CODE: AS 211

Choose your courses with your College Advisor.

<table>
<thead>
<tr>
<th>ENGLISH PLACEMENT</th>
<th>READING PLACEMENT</th>
<th>MATHEMATICS PLACEMENT</th>
<th>GENERAL EDUCATION COURSES</th>
<th>ELECTIVE COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL/FS Writing</td>
<td>ESL/FS Reading</td>
<td>FS Mathematics I</td>
<td>Humanities: Africana Studies 101</td>
<td></td>
</tr>
<tr>
<td>ESL/English 98</td>
<td>ESL/Reading 99</td>
<td>FS Mathematics II</td>
<td></td>
<td>College Success</td>
</tr>
<tr>
<td>ESL 99</td>
<td>ESL Reading 100</td>
<td>Mathematics 98</td>
<td></td>
<td>Computer Information Systems 120</td>
</tr>
<tr>
<td>ESL/English 100</td>
<td>Reading 125</td>
<td>Mathematics 99</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS**

All plans can be modified to fit the needs of part-time students by adding more semesters.

**D SEMESTER 1**

- English 101–Composition I (3)
  - Communications
- Computer Information Systems 101–Computer Science 101 (3)
  - Elective
- Computer Information Systems 116–Operating Systems I (3) OR Computer Information Systems 118–IT Problem Solving (3)
  - Elective
- Mathematics 146–Discrete Mathematics (4)
  - Mathematics
- Humanities course (3)
  - Humanities

**16 CREDIT HOURS**

**D SEMESTER 2**

- English 102–Composition II (3)
  - Communications
- Social & Behavioral Sciences course (3)
  - Social & Behavioral Sciences
- Computer Information Systems 103–Fundamentals of Programming (3)
  - Elective
- Physical Sciences course (3)
  - Physical Sciences
- Computer Information Systems 144–Java-based Programming Language (3)
  - Elective

**15 CREDIT HOURS**

**D SEMESTER 3**

- Speech 101–Fundamentals of Speech Communication (3)
  - Communications
- Social & Behavioral Sciences course (HD) (3)
  - Social & Behavioral Sciences (HD)
- Mathematics 125–Introductory Statistics (4) OR Mathematics 207–Calculus and Analytic Geometry I (5)
  - Mathematics
- Computer Information Systems 142–C-based Programming Language (3)
  - Elective
- Computer Information Systems 244–Advanced Java-based Programming Language (3)
  - Elective

**16–17 CREDIT HOURS**

**D SEMESTER 4**

- Life Sciences course (4)
  - Life Sciences
- Physical or Life Sciences course (3)
  - Physical or Life Science
- Fine Arts course (3)
  - Fine Arts
- Computer Information Systems 260–Field Project (3)
  - Elective

**DEGREE MINIMUM: 60 CREDIT HOURS // PATHWAY TOTAL: 60–61 CREDIT HOURS**

D = DEGREE // AC = ADVANCED CERTIFICATE // BC = BASIC CERTIFICATE