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| JJC Logo Primary_black.jpg | **2018-2019 Completion Guide****Computer Programming, Associates in Applied Science, CO261****ICCB Approved Total Program Hours:** |
| Date | *The following schedule is based on full-time enrollment. Students planning to transfer to a senior institution should check with that institution for specific transfer requirements.* |
| Program Prerequisites |  |

**T= Traditional H = Hybrid W = Web**

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| **First Semester** |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| CIS 122 | Computer Information System Fundamentals | 4 | T, H, W |  | FL, SP, SM |  |
| CIS 126\* *or* CIS 124\*\* | Microsoft Office\*Beginning Microcomputer Applications\*\* | 3 | T, H, W\*T\*\* |  | FL, SP, SM\*FL\*\* |  |
| CIS 145 | Fundamentals of Networking | 3 | T, W | CIS 122, may be taken concurrently. | FL, SP, SM |  |
| ENG 101 | Rhetoric | 3 | T, W | Appropriate placement score; or minimum grade “C” in one of the following: ENG 021 and ENG 099, or ENG 022 or ENG 099, or the EAP course sequence ENG 079 and ENG 089 or ENG 096. | FL, SP, SM |  |
| Gen Ed Groups I-V |  | 3 |  |  |  |  |
|  | Total Semester Hours | 16 |  |  |  |  |

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| **Second Semester** |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| CIS 130\**or* CIS 136\*\* | BASIC Programming\*PASCAL Programming\*\* | 4 | T, W\*W\*\* | CIS 122 and placement testing into MATH 127 or higher level Math course, or minimum grade of “C” in MATH 098. | FL, SP, SM\*FL, SP\*\* |  |
| CIS 216 | World Wide Web Homepage Authoring | 3 | T, W | CIS 116 and CIS 122 are recommended as prerequisites for those students not proficient with internet use. | FL, SP, SM |  |
| CIS 211 | Database management Systems | 3 | W | CIS 126 or OFS 214 or consent of department. | FL, SP |  |
| Gen Ed Group IV |  | 3 |  |  |  |  |
| Gen Ed Group II |  | 3 |  |  |  |  |
|  | Total Semester Hours | 17 |  |  |  |  |

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| **Third Semester** |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| CIS 223 | Java Script | 3 | W | CIS 216 and CIS 130, or CIS 136, or CIS 236, or consent of the department. | FL, SM |  |
| CIS 236 | Programming in C | 4 | T, W | CIS 130 or CIS 136 (CIS 136 is strongly recommended) | FL, SP, SM |  |
| CIS 230 | Visual Basic | 4 | T, W | CIS 130 or CIS 136 or equivalent. | FL, SP |  |
| Elective |  | 3 |  |  |  |  |
| Elective |  | 3 |  |  |  |  |
|  | Total Semester Hours | 17 |  |  |  |  |

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| **Fourth Semester** |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| CIS 246 | Advanced C using C++ | 4 | T, W | CIS 236 or consent of department and placement into MATH 127 or higher level MATH course, or minimum grade of “C” in MATH 098. | FL, SP, SM |  |
| CIS 261 | Java Programming | 4 | T, W | CIS 236 and placement into MATH 127 or higher level MATH course, or minimum grade of “C” in MATH 098. | FL, SP, SM |  |
| CIS 250 | Systems Analysis & Design | 3 | T, W | CIS 130 or CIS 136 or consent of department. | FL, SP |  |
| Elective |  | 4 |  |  |  |  |
|  | Total Semester Hours | 15 |  |  |  |  |

**Graduation Requirements**

To be awarded an Associate degree at Joliet Junior College, each student must meet the following requirements:

1. Satisfy all admission requirements.

2. Complete the courses required to earn the chosen degree. If the student is a transfer student with coursework taken elsewhere, he/she must complete a minimum of 60 credit hours of which the last 15 credit hours applicable to the degree are earned at Joliet Junior College. If the student has not taken the last 15 hours at JJC, then a total of 30 credit hours applicable to the degree must be earned at Joliet Junior college. Proficiency test, CLEP and Advanced Placement do not meet this requirement.

3. Earn a cumulative grade point average of at least 2.0.

4. Discharge all financial obligations to the college; have no restrictions.

5. File an application for graduation (An application should be filed at the time of registration for student’s anticipated last semester).

6. Have on file in the Graduation office by the graduation filing date all transcripts from other colleges/universities that are to be evaluated for credit, to be applied toward a degree. A delay in the process may result in a later graduation date.

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| For more information:http://www.jjc.edu/academics/computer-information-systems | Department Chairperson | Program Coordinator | Program Advisor |
| Pam Dunn | Pam Dunn – Department Chair | Pam Dunn – Department Chair |
| (815) 280-2486padunn@jjc.edu |  |  |