## Bachelor of Science in Computer Science -- 120 Credits

## Applied Track <br> JCSCI-BS/JACS-TR <br> Effective August 2017

## GENERAL EDUCATION REQUIREMENTS



FREE ELECTIVES
Free electives are the balance of credits required for
graduation (120) that are not used to satisfy competencies,
knowledge areas, major requirements, electives, or any
related area required by the department.


WORLDS OF KNOWLEDGE (RG 7256)


Global History \& Culture (RQ 3149)


Each student must take 2 courses in each World of Knowledge. The two courses taken within each World
must be from different subjects. A student must take two additional "Follow-Up" courses from any World.
>The minimum number of courses taken in the Worlds must be 10.
>The Follow-Up courses may repeat a subject previously taken in a World.
$>$ A student cannot use a major required Subject course in one of the Worlds.
>For example: A Biology student cannot use BIOL 0110 to fulfill a requirement in the Science and Nature World.
>Students cannot use a course to count both in their QR requirement and one of the Worlds
$>$ Students can choose QR and Worlds of Knowledge courses from published course lists.


| Upper Level CS Electives (RQ 3409) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Select 15 credits from the following courses |  | CR | Satisfied | d/Term |
| CS 1163 | Advanced Topics in CS | 3 |  |  |
| CS 1164 | Advanced CS Topics and Apps | 3 |  |  |
| CS 1713 | Algorithm Design | 3 |  |  |
| CS 1720 | Programming Languages | 3 |  |  |
| CS 1750 | Systems Programming | 3 |  |  |
| CS 1761 | Mobile Application Development | 3 |  |  |
| CS 1762 | Web Programming | 3 |  |  |
| CS 1766 | Intro to Computer Graphics | 3 |  |  |
| CS 1783 | Artificial Intelligence Programming | 3 |  |  |
| CS 1792 | Operating Systems | 3 |  |  |
| CS 1793 | Computer Architecture \& Org | 3 |  |  |
| Requirement Satisfied |  | 15 |  |  |


| Third Term (RQ 3397) |  |  |
| :---: | :---: | :---: |
| Complete the following Courses | CR | Satisfied/Term |
| CS 0045 Algos \& Info Structure Apps | 1 |  |
| CS 0046 Comp Sys Architecture Apps | 1 |  |
| CS 0455 Algos \& Info Structure | 3 |  |
| CS 0456 Computer System Architecture | 3 |  |
| Requirement Satisfied | 8 |  |
| Fourth Term (RQ 3398) |  |  |
| Complete the following Courses | CR | Satisfied/Term |
| CS 0047 Adv Program Concepts Apps | 1 |  |
| CS 0048 Data Structures \& Files Apps | 1 |  |
| CS 0457 Adv Programming Concepts | 3 |  |
| CS 0458 Data Structures \& Files | 3 |  |
| Requirement Satisfied | 8 |  |

## IMPORTANT INFORMATION

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar

