

# Bachelor of Science in Information Systems -- 120 Credits

## (Healthcare Information Systems)

JIS-BS / JBSHIS-SP (RG 6887)

Effective August 2025

### GENERAL EDUCATION REQUIREMENTS (RG 6793)

#### REQUIRED COURSES (RG 6864)

| Foundational Courses                                      |                 | CR | Satisfied/Term |
|---|-----------------|----|----------------|
| Engcmp 0005   | Composition I   | 3  |                |
| Engcmp 0006   | Composition II  | 3  |                |
| CommRc 0052   | Public Speaking | 3  |                |
| Basic Algebra or Placement Test                           |                 |    |                |
| Math 0001   | Algebra 1       | 3  |                |
| Quantitative Reasoning (QR) - 1 Course                    |                 |    |                |
| Note - a student cannot test out of their QR requirement. |                 |    |                |
|   |                 | 3  |                |

#### WORLDS OF KNOWLEDGE (RG 6874)

| Aesthetic and Creative Expression (RQ 3148) |        |                   |    |                |
|---|--------|-------------------|----|----------------|
| Subject                                     | Number | Course Title      | CR | Satisfied/Term |
| Engwrt                                      | 1192   | Technical Writing | 3  |                |
|   |        |                   | 3  |                |

| Global History & Culture (RQ 3149) |        |                      |    |                |
|------------------------------------|--------|----------------------|----|----------------|
| Subject                            | Number | Course Title         | CR | Satisfied/Term |
| Econ                               | 0115   | Macroeconomic Theory | 3  |                |
|                                    |        |                      | 3  |                |

| Societies & Civics (RQ 3150) |        |                      |    |                |
|------------------------------|--------|----------------------|----|----------------|
| Subject                      | Number | Course Title         | CR | Satisfied/Term |
| Econ                         | 0105   | Microeconomic Theory | 3  |                |
|                              |        |                      | 3  |                |

| Science & Nature (RQ 3153) |        |                         |    |                |
|----------------------------|--------|-------------------------|----|----------------|
| Subject                    | Number | Course Title            | CR | Satisfied/Term |
| CS                         | 0015   | Intro to CS Programming | 3  |                |
| Math                       | 0121   | Business Calculus       | 4  |                |

#### 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. |    |                |  |
|  | CR | Satisfied/Term |  |
|  |    |                |  |
|  |    |                |  |
|  |    |                |  |
|  |    |                |  |
|  |    |                |  |
|  |    |                |  |
|  |    |                |  |
|  |    |                |  |

| Follow-Up Courses (RQ 3154) |        |                      |    |                |
|-----------------------------|--------|----------------------|----|----------------|
| Subject                     | Number | Course Title         | CR | Satisfied/Term |
| Math                        | 0401   | Discrete Math Struct | 3  |                |
|                             |        |                      |    |                |

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.

### MAJOR REQUIREMENTS (RG 6887)

| Required Economics (RQ 3179)             |                         | CR | Satisfied/Term |
|--|-------------------------|----|----------------|
| Econ 0105                                | Microeconomic Theory    | 3  |                |
| Econ 0115                                | Macroeconomic Theory    | 3  |                |
| Required Math and CS (RQ 3219,3180,3181) |                         | CR | Satisfied/Term |
| Math 0401                                | Discrete Math Struct    | 3  |                |
| Math 0121*                               | Business Calculus       | 4  |                |
| CS 0015                                  | Intro to CS Programming | 3  |                |
| CS 0016                                  | Intro to CS Progr Appl  | 1  |                |
| Required Writing (RQ 3182)               |                         | CR | Satisfied/Term |
| Engwrt 1192                              | Technical Writing       | 3  |                |
| Requirement Satisfied                    |                         | 20 |                |

| IS Core (RQ 3241)     |                              | CR | Satisfied/Term |
|-----------------------|------------------------------|----|----------------|
| IS 0400*              | Intro to Information Systems | 3  |                |
| IS 1410               | Database Management Systems  | 3  |                |
| IS 1420               | Systems Analysis & Design    | 3  |                |
| IS 1435               | IS Project Management        | 3  |                |
| IS 1440               | Quality Assurance            | 3  |                |
| Requirement Satisfied |                              | 15 |                |

| Healthcare Required (RQ 3242) |                              | CR | Satisfied/Term |
|-------------------------------|------------------------------|----|----------------|
| Mgmt 0500                     | Principles of Management     | 3  |                |
| Hlthcr 0020                   | Intro to Healthcare Concepts | 3  |                |
| Hlthcr 1054                   | Health Care Management       | 3  |                |
| Hlthcr 1119                   | Legal Aspects of Health Care | 3  |                |
| Nur 0086                      | Nursing Informatics          | 2  |                |
| IS 1488                       | IS Internship                | 3  |                |
| Phil 1380                     | Business Ethics              | 3  |                |
| Requirement Satisfied         |                              | 20 |                |

| Healthcare IS Electives (RQ 3243)    |                               |                |
|--------------------------------------|-------------------------------|----------------|
| Select five of the following courses | CR                            | Satisfied/Term |
| IS 1412                              | Graphic Design                | 3              |
| IS 1415                              | Web Development               | 3              |
| IS 1425                              | Networking                    | 3              |
| IS 1426                              | Hardware / Operating Systems  | 3              |
| IS 1427                              | Systems Administration        | 3              |
| IS 1428                              | Mobile Apps                   | 3              |
| IS 1441                              | Business Intelligence         | 3              |
| IS 1445                              | IS Special Topics             | 3              |
| IS 1450                              | Enterprise Applications       | 3              |
| IS 1470                              | Information Security          | 3              |
| IS 1471                              | Advanced Information Security | 3              |
| IS 1478                              | Ethical Hacking               | 3              |
| IS 1488                              | IS Internship                 | 3              |
| IS 1489                              | IS Independent Study          | 3              |
| CS 0417                              | Interm Prog Using Java        | 3              |
| Requirement Satisfied                |                               | 15             |

\* Course must be completed with a minimum grade of "C-"

MGPA (RQ 3244)  
Residency (RQ 3245)

Updated 4/25/25

#### 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.