

**BACHELOR OF SCIENCE IN INFORMATION SYSTEMS**

Based on CMO 25 s. 2015, Effective First Semester 2024-2025

**FIRST YEAR**

**First Semester**

| COURSE CODE  | DESCRIPTIVE TITLE                        | Lec (Hrs.) | Lab (Hrs.) | Credit Units | Prerequisite |
|--------------|--|------------|------------|--------------|--------------|
| IS 111       | Introduction to Computing                | 2          | 3          | 3            | None         |
| IS 112 L1    | Computer Programming 1                   | 2          | 3          | 3            | None         |
| Computer 1   | MS Office (MS Word, Excel, & Power Point | 2          | 3          | 3            | None         |
| GE 100       | Purposive Communication                  | 3          | 0          | 3            | None         |
| GE 101       | Understanding the Self                   | 3          | 0          | 3            | None         |
| GE 102       | Mathematics in the Modern World          | 3          | 0          | 3            | None         |
| Path-Fit 1   | Movement Competency Training             | 2          | 0          | 2            | None         |
| NSTP 101     | Civic Work & Training Service/ROTC/LTS 1 | 3          | 0          | 3            | None         |
| Theology 101 | Islamic Relegion/Other Relegion 1        | 3          | 0          | 3            | None         |
| <b>TOTAL</b> |  | <b>23</b>  | <b>9</b>   | <b>26</b>    |              |

**Second Semester**

| COURSE CODE  | DESCRIPTIVE TITLE                        | Lec (Hrs.) | Lab (Hrs.) | Credit Units | Prerequisite       |
|--------------|--|------------|------------|--------------|--------------------|
| IS 122       | Fundamental of Information System        | 2          | 3          | 3            | IS 111 & IS 112 L1 |
| IS 121 L1    | Computer Programming 2                   | 2          | 3          | 3            | IS 112 L1          |
| Computer 2   | Graphic Design (Corel Draw & Photoshop)  | 2          | 3          | 3            | Computer 1         |
| GE 103       | Art Appreciation                         | 3          | 0          | 3            | None               |
| GE 104       | Readings in the Philippines History***   | 3          | 0          | 3            | None               |
| GE Elec 1    | Gender and Society*                      | 3          | 0          | 3            | None               |
| Path-Fit 2   | Exercise Based Fitness Activities        | 2          | 0          | 2            | Path-Fit 1         |
| NSTP 121     | Civic Work & Training Service/ROTC/LTS 2 | 3          | 0          | 3            | NSTP 101           |
| Theology 102 | Islamic Relegion/Other Relegion 2        | 3          | 0          | 3            | Theology 101       |
| <b>TOTAL</b> |  | <b>23</b>  | <b>9</b>   | <b>26</b>    |                    |

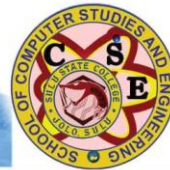
**SECOND YEAR**

**First Semester**

| COURSE CODE  | DESCRIPTIVE TITLE  | Lec (Hrs.) | Lab (Hrs.) | Credit Units | Prerequisite |
|--------------|--|------------|------------|--------------|--------------|
| IS 211       | Data Structure & Algorithms  | 2          | 3          | 3            | IS 121 L1    |
| IS 212       | Professional Issues in Information Systems                                     | 3          | 0          | 3            | IS 111       |
| IS 213       | Organization and Management Concepts   | 3          | 0          | 3            | IS 111       |
| IS 214       | Infrastructure and Network Technologies  | 2          | 3          | 3            | IS 111       |
| Acctng 1     | Fundamentals of Accounting   | 3          | 0          | 3            | IS 122       |
| GE Elect 2   | Living in the IT Era   | 3          | 0          | 3            | GE Elect 1   |
| GE 105       | Contemporary World   | 3          | 0          | 3            | None         |
| Path-Fit 3   | Choice of Dance, Sports, Martial Arts, Group Exercise and Adventure Activities | 2          | 0          | 2            | None         |
| <b>TOTAL</b> |  | <b>21</b>  | <b>6</b>   | <b>23</b>    |              |

**Second Semester**

| COURSE CODE  | DESCRIPTIVE TITLE  | Lec (Hrs.) | Lab (Hrs.) | Credit Units | Prerequisite                  |
|--------------|--|------------|------------|--------------|-------------------------------|
| IS 221       | System Analysis and Design   | 2          | 3          | 3            | 2 <sup>nd</sup> Year Standing |
| IS 222       | Financial Management   | 3          | 0          | 3            | IS 213                        |
| IS 223       | Data Communication & Networking 1  | 2          | 3          | 3            | IS 214                        |
| IS 224       | Web Development  | 3          | 0          | 3            | IS 211                        |
| GE Elect 3   | Peace Education**  | 3          | 0          | 3            | None                          |
| GE 106       | Ethics   | 3          | 0          | 3            | None                          |
| Path-Fit 4   | Choice of Dance, Sports, Martial Arts, Group Exercise and Adventure Activities | 2          | 0          | 2            | Path-Fit 1,2 and 3            |
| <b>TOTAL</b> |  | <b>18</b>  | <b>6</b>   | <b>23</b>    |                               |



### THIRD YEAR

#### First Semester

| COURSE CODE  | DESCRIPTIVE TITLE                          | Lec (Hrs.) | Lab (Hrs.) | Credit Units | Prerequisite                  |
|--------------|--|------------|------------|--------------|-------------------------------|
| IS 311       | Information Management                     | 3          | 0          | 3            | IS 211                        |
| IS 312       | Enterprise Architecture                    | 3          | 0          | 3            | IS 214                        |
| IS 313       | Business Process Management                | 3          | 0          | 3            | IS 222                        |
| IS 314 L1    | Quantitative Method                        | 2          | 3          | 3            | 3 <sup>rd</sup> Year Standing |
| IS 315       | Method of Research and Computing           | 3          | 0          | 3            | 3 <sup>rd</sup> Year Standing |
| IS Elec 1 L1 | IS Elective 1 (Human Computer Interaction) | 2          | 3          | 3            | 3 <sup>rd</sup> Year Standing |
| GE 107       | Science Technology and Society             | 3          | 0          | 3            | None                          |
| <b>TOTAL</b> |  | <b>16</b>  | <b>6</b>   | <b>21</b>    |                               |

#### Second Semester

| COURSE CODE  | DESCRIPTIVE TITLE                  | Lec (Hrs.) | Lab (Hrs.) | Credit Units | Prerequisite                  |
|--------------|------------------------------------|------------|------------|--------------|-------------------------------|
| ISCAP 1      | Capstone Project 1                 | 2          | 3          | 3            | 3 <sup>rd</sup> Year Standing |
| IS 321       | IS Project Management              | 2          | 3          | 3            | IS 221                        |
| IS 322       | Evaluation of Business Performance | 2          | 3          | 3            | IS 313                        |
| IS Elec 2 L2 | IS Elective 2 (Data Mining)        | 2          | 3          | 3            | 3 <sup>rd</sup> Year Standing |
| ENTRE        | Entrepreneurship                   | 3          | 0          | 3            | None                          |
| GE 108       | The Life and Work of Jose Rizal    | 3          | 0          | 3            | None                          |
| <b>TOTAL</b> |                                    | <b>15</b>  | <b>9</b>   | <b>18</b>    |                               |

### FOURTH YEAR

#### First Semester

| COURSE CODE  | DESCRIPTIVE TITLE                                 | Lec (Hrs.) | Lab (Hrs.) | Credit Units | Prerequisite                  |
|--------------|---|------------|------------|--------------|-------------------------------|
| IS 411       | IS Strategy Management and Acquisition            | 3          | 0          | 3            | All Major                     |
| IS 412       | Application Development and Emerging Technologies | 2          | 3          | 3            | 4 <sup>th</sup> Year Standing |
| ISCAP 2      | Capstone Project 2                                | 2          | 3          | 3            | IS 313                        |
| IS Elec 3    | IS Elective 3 (Business Intelligence)             | 2          | 3          | 3            | 4 <sup>th</sup> Year Standing |
| IS Elec 4    | IS Elective 4 (IT Service Management)             | 2          | 3          | 3            | 4 <sup>th</sup> Year Standing |
| <b>TOTAL</b> |   | <b>11</b>  | <b>9</b>   | <b>15</b>    |                               |

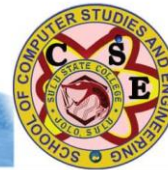
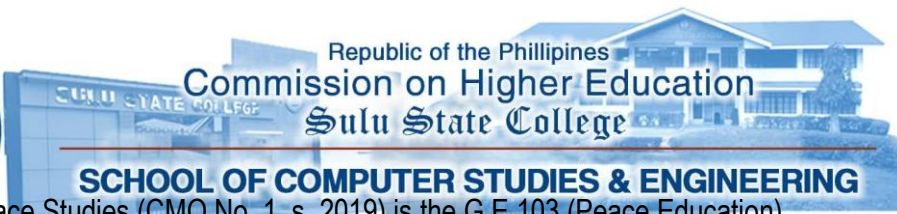
#### Second Semester

| COURSE CODE        | DESCRIPTIVE TITLE                       | Lec (Hrs.) | Lab (Hrs.) | Credit Units | Prerequisite |
|--------------------|---|------------|------------|--------------|--------------|
| Prac 101           | Practicum for Information Systems (486) | 6          | 0          | 6            | All Major    |
| <b>TOTAL</b>       |   | <b>6</b>   | <b>0</b>   | <b>6</b>     |              |
| <b>GRAND TOTAL</b> |   |            |            |              |              |

| SUMMARY OF THE BSIS CURRICULUM  |              |
|---------------------------------|--------------|
| CMO 20 2013 (General Education) | 36.0         |
| Common Courses                  | 18.0         |
| Professional Courses            | 48.0         |
| Professional Electives          | 12.0         |
| Domain Courses                  | 18.0         |
| Path-Fit                        | 8.0          |
| NSTP                            | 6.0          |
| Institutional Courses           | 12.0         |
| <b>Minimum Total Units</b>      | <b>158.0</b> |

Legend:

\*GAD (CMO No. 1, s. 2015) is the G.E Elec 1 (Gender and Society)



\*\*Peace Studies (CMO No. 1, s. 2019) is the G.E 103 (Peace Education)

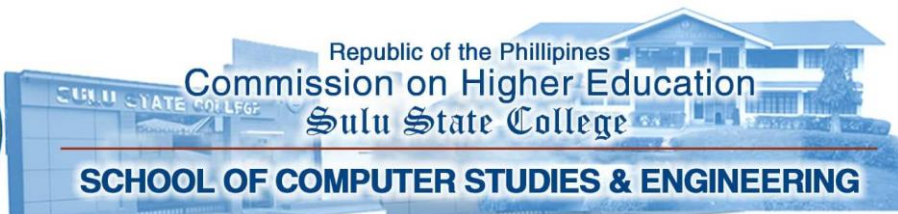
\*\*\*Indigenous People Studies (CMO No. 2, s. 2019) integrated into G.E 104 (Reading in the Philippine History)

### IS ELECTIVES

Enterprise Systems/ Human Computer Interaction / IT Audit and Controls / Innovations and New Technologies IT Security and Management / IT Service Management / IS Project Management 2 / Data Mining / Business Intelligence Enterprise Resource Planning / Supply Chain Management / Customer Relationship Management

| GENERAL EDUCATION                                     | UNITS     |
|---|-----------|
| <b>Language and Humanities:</b>                       |           |
| • Purposive Communication                             | 3         |
| • Arts Appreciation                                   | 3         |
| • Understanding the Self                              | 3         |
| • Contemporary World                                  | 3         |
| <b>Mathematics, Natural Science and Technology:</b>   |           |
| • Mathematics in the Modern World                     | 3         |
| <b>Social Science and Communications:</b>             |           |
| • Life and Works of Jose Rizal                        | 3         |
| • Science Technology & Society                        | 3         |
| • Gender and Society                                  | 3         |
| • Living in the IT Era                                | 3         |
| • Readings in the Philippines History***              | 3         |
| • Peace Education**                                   | 3         |
| • Ethics  | 3         |
|   | <b>36</b> |
| COMMON COURSES  | UNITS     |
| • Introduction to Computing                           | 3         |
| • Computer Programming 1(Fundamentals of Programming) | 3         |
| • Computer Programming 2 (Intermediate Programming)   | 3         |
| • Data Structure and Algorithm                        | 3         |
| • Information Management                              | 3         |
| • Applications Development and Emerging Technologies  | 3         |
|   | <b>18</b> |

| PROFESSIONAL COURSES                         | UNITS     |
|--|-----------|
| • Fundamental of Information Systems         | 3         |
| • Professional Issues in Information System  | 3         |
| • Infrastructure and Network Technologies    | 3         |
| • Enterprise Architecture                    | 3         |
| • IS Project Management                      | 3         |
| • IS Strategy, Management and Acquisition    | 3         |
| • Organization and Management Concepts       | 3         |
| • Financial Management                       | 3         |
| • Business Process Management                | 3         |
| • Evaluation of Business Performance         | 3         |
| • Quantitative Method                        | 3         |
| • Capstone Project 1                         | 3         |
| • Capstone Project 2                         | 3         |
| • System Analysis and Design                 | 3         |
| • Practicum for Information System           | 6         |
|  | <b>48</b> |
| PROFESSIONAL ELECTIVES                       |           |
| • IS Elective 1 (Human Computer Interaction) | 3         |
| • IS Elective 2 (Data Mining)                | 3         |
| • IS Elective 3 (Business Intelligence)      | 3         |
| • IS Elective 4 (IT Service Management)      | 3         |
|  | <b>12</b> |



| DOMAIN COURSE  | UNITS |
|--|-------|
| • Web Development  | 3     |
| • Method of Research and Computing   | 3     |
| • Application Development and Emerging Technologies                              | 3     |
| • Fundamentals of Accounting   | 3     |
| • Data Communication & Networking  | 3     |
| • Entrepreneurship   | 3     |
|  | 18    |
| PHYSICAL ACTIVITIES TOWARD HEALTH & FITNESS                                      | UNITS |
| • Movement Competency Training   | 2     |
| • Exercise Based Fitness Activities  | 2     |
| • Choice of Dance, Sports, Martial Arts, Group Exercise and Adventure Activities | 2     |
| • Choice of Dance, Sports, Martial Arts, Group Exercise and Adventure Activities | 2     |
|  | 8     |
| NSTP   | UNITS |
| • Civic Work & Training Service/ROTC/LTS 1                                       | 3     |
| • Civic Work & Training Service/ROTC/LTS 2                                       | 3     |
|  | 6     |

| INSTITUTIONAL COURESES                     | UNITS |
|--|-------|
| • Islamic Relegion/Other Relegion 1        | 3     |
| • Islamic Relegion/Other Relegion 2        | 3     |
| • MS Office (MS Word, Excel, & Power Point | 3     |
| • Graphic Design (Corel Draw & Photoshop)  | 3     |
|  | 12    |
|  |       |

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