



**Prospectus for Bachelor of Science in Information Technology**  
 CMO 25, S.2015, Effective SY 2019-2020

| <b>FIRST YEAR</b>        |  |           |           |              |                |                           |  |           |           |              |                |
|--------------------------|--|-----------|-----------|--------------|----------------|---------------------------|--|-----------|-----------|--------------|----------------|
| FIRST SEMESTER SY: _____ |  |           |           |              |                | SECOND SEMESTER SY: _____ |  |           |           |              |                |
| Subject Code             | Descriptive Title                                      | Lec Units | Lab Units | Credit Units | Pre-Requisites | Subject Code              | Descriptive Title  | Lec Units | Lab Units | Credit Units | Pre-Requisites |
| GE108                    | Understanding the Self                                 | 3         |           | 3            |                | GE104                     | Readings in Philippine History                             | 3         |           | 3            |                |
| IS101                    | Bukidnon Cultural Studies                              | 3         |           | 3            |                | IS102                     | Wika at Kultura sa Mapayapang Lipunan                      | 3         |           | 3            |                |
| IS104                    | Advanced Grammar in English                            | 3         |           | 3            |                | IT114                     | Computer Programming 2                                     | 2         | 1         | 3            | IT112          |
| IT111                    | Introduction to Computing                              | 2         | 1         | 3            |                | IT115                     | Introduction to Human Computer Interaction                 | 2         | 1         | 3            | IT112          |
| IT112                    | Computer Programming 1                                 | 2         | 1         | 3            |                | IT116                     | Discrete Mathematics                                       | 3         |           | 3            |                |
| IT113                    | IT Fundamentals  | 2         | 1         | 3            |                | PE 2                      | PATH-FIT 2 (Fitness Exercise)                              | 2         |           | 2            | PE 1           |
| PE 1                     | PATH-FIT 1 (Movement Enhancement)                      | 2         |           | 2            |                | NSTP 12                   | CWTS/ROTC/LTS  | 3         |           | 3            | NSTP 11        |
| NSTP 11                  | CWTS/ROTC/LTS  | 3         |           | 3            |                |                           |  |           |           |              |                |
| <b>Total Credits</b>     |  | <b>20</b> | <b>3</b>  | <b>23</b>    |                | <b>Total Credits</b>      |  | <b>18</b> | <b>2</b>  | <b>20</b>    |                |
| <b>SECOND YEAR</b>       |  |           |           |              |                |                           |  |           |           |              |                |
| FIRST SEMESTER SY: _____ |  |           |           |              |                | SECOND SEMESTER SY: _____ |  |           |           |              |                |
| Subject Code             | Descriptive Title                                      | Lec Units | Lab Units | Credit Units | Pre-Requisites | Subject Code              | Descriptive Title  | Lec Units | Lab Units | Credit Units | Pre-Requisites |
| GE103                    | The Contemporary World                                 | 3         |           | 3            |                | GE EL 107                 | The Entrepreneurial Mind                                   | 3         |           | 3            |                |
| IS105                    | Technical Writing                                      | 3         |           | 3            |                | GE101                     | Art Appreciation   | 3         |           | 3            |                |
| IT121                    | Data Structures and Algorithms                         | 2         | 1         | 3            | IT114          | GE105                     | Mathematics in the Modern World                            | 3         |           | 3            |                |
| IT122                    | Elective 1 - Platform Technologies                     | 2         | 1         | 3            | IT113          | GE106                     | Purposive Communication                                    | 3         |           | 3            |                |
| IT123                    | Elective 2 - Object-Oriented Programming               | 2         | 1         | 3            | IT114          | IT126                     | Information Management                                     | 2         | 1         | 3            | IT121          |
| IT124                    | Principles of Logic Design                             | 2         | 1         | 3            |                | IT127                     | Quantitative Methods                                       | 3         |           | 3            |                |
| IT125                    | Applied Calculus in IT                                 | 3         |           | 3            | IT116          | IT128                     | Networking 1   | 2         | 1         | 3            | IT122          |
| PE 3                     | PATH-FIT 3 (Regional, National & International Dances) | 2         |           | 2            | PE 2           | IT129                     | Integrative Programming and Technologies 1                 | 2         | 1         | 3            | IT123          |
|                          |  |           |           |              |                | PE 4                      | PATH-FIT 4 (Games, Sports, Outdoor & Adventure Activities) | 2         |           | 2            | PE 3           |
| <b>Total Credits</b>     |  | <b>19</b> | <b>4</b>  | <b>23</b>    |                | <b>Total Credits</b>      |  | <b>23</b> | <b>3</b>  | <b>26</b>    |                |



| <b>THIRD YEAR</b>        |   |           |           |              |                |                           |   |           |           |              |                |
|--------------------------|---|-----------|-----------|--------------|----------------|---------------------------|---|-----------|-----------|--------------|----------------|
| FIRST SEMESTER SY: _____ |   |           |           |              |                | SECOND SEMESTER SY: _____ |   |           |           |              |                |
| Subject Code             | Descriptive Title                                       | Lec Units | Lab Units | Credit Units | Pre-Requisites | Subject Code              | Descriptive Title                                   | Lec Units | Lab Units | Credit Units | Pre-Requisites |
| GE102                    | Ethics  | 3         |           | 3            |                | GE109                     | Life and Works of Rizal                             | 3         |           | 3            |                |
| GE107                    | Science, Technology and Society                         | 3         |           | 3            |                | GE EL 102                 | Gender and Society                                  | 3         |           | 3            |                |
| IT131                    | Technopreneurship                                       | 3         |           | 3            | GE EL 107      | IS106                     | ASEAN Studies                                       | 3         |           | 3            |                |
| IT132                    | Advanced Database Systems                               | 2         | 1         | 3            | IT125          | IT138                     | Information Assurance and Security 2                | 2         | 1         | 3            | IT135          |
| IT133                    | Systems Integration and Architecture 1                  | 2         | 1         | 3            | IT129          | IT139                     | Elective 4 - Systems Integration and Architecture 2 | 2         | 1         | 3            | IT133          |
| IT134                    | Networking 2  | 2         | 1         | 3            | IT128          | IT1310                    | Application Development and Emerging Technologies   | 2         | 1         | 3            | IT132          |
| IT135                    | Information Assurance and Security 1                    | 2         | 1         | 3            | Co-req IT133   | IT1311                    | Multimedia Systems                                  | 2         | 1         | 3            | GE101          |
| IT136                    | Capstone Project and Research 1                         | 2         | 1         | 3            | IS105, IT127   | IT1312                    | Capstone Project and Research 2                     | 2         | 1         | 3            | IT136          |
| IT137                    | Elective 3 - Integrative Programming and Technologies 2 | 2         | 1         | 3            | IT129          | IT1313                    | Elective 5 - Web Systems and Technologies           | 2         | 1         | 3            |                |
| <b>Total Credits</b>     |   | <b>21</b> | <b>6</b>  | <b>27</b>    |                | <b>Total Credits</b>      |   | <b>21</b> | <b>6</b>  | <b>27</b>    |                |

| <b>FOURTH YEAR</b>       |   |           |           |              |                |                           |                       |           |           |              |                    |
|--------------------------|---|-----------|-----------|--------------|----------------|---------------------------|-----------------------|-----------|-----------|--------------|--------------------|
| FIRST SEMESTER SY: _____ |   |           |           |              |                | SECOND SEMESTER SY: _____ |                       |           |           |              |                    |
| Subject Code             | Descriptive Title                           | Lec Units | Lab Units | Credit Units | Pre-Requisites | Subject Code              | Descriptive Title     | Lec Units | Lab Units | Credit Units | Pre-Requisites     |
| GE EL 106                | Environmental Science                       | 3         |           | 3            |                | IT147                     | Practicum (490 hours) | 9         |           | 9            | All Major Subjects |
| IS103                    | Innovative Leadership in Education          | 3         |           | 3            |                |                           |                       |           |           |              |                    |
| IT141                    | Systems Administration and Maintenance      | 2         | 1         | 3            | IT138          |                           |                       |           |           |              |                    |
| IT142                    | Business Analytics                          | 3         |           | 3            | IT127, IT132   |                           |                       |           |           |              |                    |
| IT143                    | Quality Consciousness, Habits and Processes | 3         |           | 3            |                |                           |                       |           |           |              |                    |
| IT144                    | Capstone Project and Research 3             | 2         | 1         | 3            | IT1312         |                           |                       |           |           |              |                    |
| IT145                    | Social and Professional Issues in IT        | 3         |           | 3            | GE102          |                           |                       |           |           |              |                    |
| IT146                    | Digital Marketing                           | 2         | 1         | 3            | IT1311         |                           |                       |           |           |              |                    |
| <b>Total Credits</b>     |   | <b>21</b> | <b>3</b>  | <b>24</b>    |                | <b>Total Credits</b>      |                       | <b>9</b>  | <b>0</b>  | <b>9</b>     |                    |

| <b>Summary:</b>        |              |
|------------------------|--------------|
| Common Courses         | - 18         |
| Professional Courses   | - 78         |
| Professional Electives | - 15         |
| GE Core Courses        | - 27         |
| GE Electives           | - 9          |
| Institutional Subjects | - 18         |
| <b>TOTAL CREDITS</b>   | <b>- 165</b> |
| PE                     | - 8          |
| NSTP                   | - 6          |



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