

## Information Systems and Technology

### “Web Applications and Programming”

#### MAJOR SHEET

| Course Code  | Course Title                           | Credit    | Pre-Co Requisites               |
|--|--|-----------|---------------------------------|
| ENGL-101   | Developmental Writing and Reading      | 3         |                                 |
| ENGL-102   | Composition I                          | 3         | ENGL-101                        |
| <b>Total Communication Skills Credits</b>                  |  | <b>6</b>  |                                 |
| HUMN-101   | History of Arab Islamic Civilization   | 3         |                                 |
| <b>Total Humanities Credits</b>                            |  | <b>3</b>  |                                 |
| CARD-205   | Career Development                     | 2         |                                 |
| <b>Total Personal and Professional Development Credits</b> |  | <b>2</b>  |                                 |
| MATH-105   | Technical Mathematics                  | 4         |                                 |
| MATH -107  | College Algebra                        | 4         |                                 |
| <b>Total Mathematics Credits</b>                           |  | <b>8</b>  |                                 |
| BSM-223  | Project Management                     | 3         |                                 |
| <b>Total Business Credits</b>                              |  | <b>3</b>  |                                 |
| IST-101  | PC Software                            | 3         |                                 |
| <b>Total Computing Basics Credits</b>                      |  | <b>3</b>  |                                 |
| IST-125  | Introduction to Programming Using C I  | 3         |                                 |
| IST-126  | Introduction to Programming Using C II | 3         | IST-125                         |
| IST-127  | Introduction to Programming            | 3         |                                 |
| IST-128  | Object Oriented Programming            | 3         | IST-127                         |
| IST-231  | Introduction to Databases              | 3         |                                 |
| IST-233  | Advanced Programming I                 | 3         | IST-127                         |
| <b>Total Technical Basics Credits</b>                      |  | <b>18</b> |                                 |
| IST-152  | HTML                                   | 3         |                                 |
| IST-253  | Web Architecture and Development       | 3         | IST-127and IST-152              |
| IST-254  | Introduction to XML                    | 3         |                                 |
| IST-255  | ASP.NET Applications Development       | 4         | IST-233                         |
| IST-256  | XML Web Services                       | 4         | IST-233 and IST-254             |
| IST-236  | Data Warehousing and Data Mining       | 3         | IST-231                         |
| IST-274  | Final Project                          | 3         | Final Semester or VPAA Approval |
| <b>Total Technical Core Credits</b>                        |  | <b>23</b> |                                 |
| <b>TOTAL PROGRAM CREDITS</b>                               |  | <b>66</b> |                                 |