

## Study Plans - English

Major : Computer Science / Bachelor Plan Semester : 20142  
 Faculty : Oman College of Management & Technology Section : Computer Sciences  
 Plan Hrs : 132 Plan Type : Major  
 Min Semester : 4 Semester(s) Training : Not Found Edition : 4 Study Type: Morning  
 Max Semester : 14 Semester(s) Training Hrs : Thesis Type : Nothing

Category : Faculty Requirement Hrs : ( 24 ) Hrs

Group : Compulsory Hrs : ( 21 ) Hrs

| course | Course Name                                | Hrs | Prerequisite Courses | Prerequisite Hrs |
|--------|--|-----|----------------------|------------------|
| 102106 | Entrepreneurship:Creativity and Innovation | 3   |                      |                  |
| 103202 | Scientific Research Methods                | 3   |                      |                  |
| 701101 | English Language I                         | 3   |                      |                  |
| 701102 | English Language II                        | 3   | ((Pre) 701101)       |                  |
| 701103 | English Language III                       | 3   | ((Pre) 701102)       |                  |
| 701105 | Arabic Language                            | 3   |                      |                  |
| 701108 | Arabic Islamic Civilization                | 3   |                      |                  |

Group : Elective Hrs : ( 3 ) Hrs

| course | Course Name                     | Hrs | Prerequisite Courses | Prerequisite Hrs |
|--------|---------------------------------|-----|----------------------|------------------|
| 701107 | History of Oman                 | 3   |                      |                  |
| 701109 | Islamic Culture                 | 3   |                      |                  |
| 701110 | Environment & Society           | 3   |                      |                  |
| 701112 | Omani Society                   | 3   |                      |                  |
| 701113 | Media Culture                   | 3   |                      |                  |
| 701114 | Islamic Economics               | 3   |                      |                  |
| 701117 | Introduction to Psychology      | 3   |                      |                  |
| 701118 | Introduction to Library Science | 3   |                      |                  |
| 701120 | Physical Education              | 3   |                      |                  |
| 701122 | Human Rights Issues             | 3   |                      |                  |

Category : Department Requirement Hrs : ( 24 ) Hrs

Group : Compulsory Hrs : ( 24 ) Hrs

| course | Course Name                        | Hrs | Prerequisite Courses | Prerequisite Hrs |
|--------|------------------------------------|-----|----------------------|------------------|
| 502101 | Calculus I                         | 3   |                      |                  |
| 502103 | Discrete Mathematics               | 3   |                      |                  |
| 502105 | Programming in a Selected Language | 3   |                      |                  |
| 502202 | Data Structures                    | 3   | ((Pre) 502105)       |                  |

## Study Plans - English

Category Departement Requirement

Hrs : ( 24 ) Hrs

Group Compulsory

Hrs : ( 24 ) Hrs

| course | Course Name                 | Hrs | Prerequisite Courses | Prerequisit Hrs |
|--------|-----------------------------|-----|----------------------|-----------------|
| 502301 | Object Oriented Programming | 3   | ((Pre) 502105)       |                 |
| 502302 | Database Management Systems | 3   | ((Pre) 502301)       |                 |
| 503401 | Operating Systems           | 3   | ((Pre) 502105)       |                 |
| 503407 | Multimedia Systems          | 3   |                      |                 |

Category : Supporting Requirement

Hrs : ( 78 ) Hrs

Group : Compulsory

Hrs : ( 72 ) Hrs

| course | Course Name                         | Hrs | Prerequisite Courses         | Prerequisit Hrs |
|--------|-------------------------------------|-----|------------------------------|-----------------|
| 502102 | Calculus II                         | 3   | ((Pre) 502101)               |                 |
| 502104 | Probability                         | 3   |                              |                 |
| 502203 | Algorithms Analysis & Design        | 3   | ((Pre) 502202)               |                 |
| 503200 | Programming in Java Language        | 3   | ((Pre) 502105)               |                 |
| 503201 | Assembly Language Programming       | 3   |                              |                 |
| 503202 | Computation Theory                  | 3   | ((Pre) 502103)               |                 |
| 503203 | Applications Software Packages      | 3   |                              |                 |
| 503205 | System Programming                  | 3   | ((Pre) 502105)               |                 |
| 503207 | Information Technology              | 3   |                              |                 |
| 503209 | File Structures                     | 3   | ((Pre) 502202)               |                 |
| 503210 | Digital Logic Design                | 3   |                              |                 |
| 503301 | System Analysis and Design          | 3   | ((Pre) 502302)               |                 |
| 503302 | Building Systems Using 4GL          | 3   | ((Pre) 502302)               |                 |
| 503303 | Prolog Language Programming         | 3   | ((Pre)& 502105 (Pre) 502103) |                 |
| 503304 | Artificial Intelligence             | 3   | ((Pre) 503303)               |                 |
| 503305 | Computer Graphics                   | 3   | ((Pre) 502202)               |                 |
| 503402 | Compilers Design                    | 3   | ((Pre) 503202)               |                 |
| 503403 | Computer Architecture               | 3   | ((Pre) 503210)               |                 |
| 503404 | Data Communications & Networks      | 3   | ((Pre) 503207)               |                 |
| 503405 | Software Engineering                | 3   | ((Pre) 502301)               |                 |
| 503409 | Graduation Project                  | 3   |                              |                 |
| 503416 | Internet Programming                | 3   |                              |                 |
| 503417 | Data Security                       | 3   | ((Pre) 502101)               |                 |
| 503418 | Object-Oriented Analysis and Design | 3   | ((Pre) 502301)               |                 |

## Study Plans - English

Category Supporting Requirement

Hrs : ( 78 ) Hrs

Group : Elective

Hrs : ( 6 ) Hrs

| course | Course Name                                 | Hrs | Prerequisite Courses | Prerequisite Hrs |
|--------|---|-----|----------------------|------------------|
| 502201 | Microprocessors and Microcomputers          | 3   | ((Pre) 503210)       |                  |
| 503204 | Operation Research                          | 3   | (Pre)502202          |                  |
| 503206 | Human Computer Interaction                  | 3   |                      |                  |
| 503208 | Simulation Techniques                       | 3   | ((Pre) 502105)       |                  |
| 503307 | Functional Programming                      | 3   | ((Pre) 502202)       |                  |
| 503308 | Programming Languages Techniques and Meth   | 3   | ((Pre) 502202)       |                  |
| 503406 | Information Retriever Systems               | 3   | ((Pre) 502202)       |                  |
| 503408 | Expert Systems                              | 3   | ((Pre) 503304)       |                  |
| 503410 | Parall Processing & Programming             | 3   | ((Pre) 503205)       |                  |
| 503415 | Natural Language Processing                 | 3   | ((Pre) 502105)       |                  |
| 503419 | Advanced Special Topics in Computer Science | 3   |                      |                  |

Category : Free Courses

Hrs : ( 6 ) Hrs

Group : Free Hrs

Hrs : ( 6 ) Hrs

| course | Course Name | Hrs | Prerequisite Courses | Prerequisite Hrs |
|--------|-------------|-----|----------------------|------------------|
|        |             |     |                      |                  |