



الجامعة الأهلية  
AHLIA UNIVERSITY  
BAHRAIN

# COURSE DIRECTORY

## Table Of Contents

|                                                                               |            |
|-------------------------------------------------------------------------------|------------|
| <b>College of Arts &amp; Science</b>                                          | <b>4</b>   |
| Bachelor's Degree In Interior Design .....                                    | 7          |
| Bachelor's Degree In Mass Communication and Public Relations .....            | 17         |
| Master's Degree In Mass Communication And Public Relations .....              | 27         |
| <b>College of Business &amp; Finance</b>                                      | <b>34</b>  |
| Bachelor's Degree In Accounting And Finance .....                             | 37         |
| Bachelor's Degree In Banking And Finance .....                                | 47         |
| Bachelor's Degree In Economics And Finance .....                              | 57         |
| Bachelor's Degree In Management And Marketing .....                           | 67         |
| Bachelor's Degree In Management Information Systems .....                     | 77         |
| Master's Degree In Business Administration .....                              | 87         |
| Master Of Science In Financial Technology .....                               | 94         |
| Master Of Science In Forensic Accounting .....                                | 100        |
| Master Of Science In Engineering Management .....                             | 106        |
| (Phd-WR) In Management Studies, Operational Research And Related Fields ..... | 112        |
| <b>College of Engineering</b>                                                 | <b>114</b> |
| Bachelor's Degree In Computer And Communication Engineering .....             | 117        |
| Bachelor's Degree In Mobile And Network Engineering .....                     | 127        |
| <b>College of Information Technology</b>                                      | <b>138</b> |
| Bachelor's Degree In Multimedia Systems .....                                 | 141        |
| Bachelor's Degree In Information Technology .....                             | 151        |
| Master's Degree In Information Technology And Computer Science .....          | 161        |
| Doctor Of Philosophy (Phd-Wr) In Information Systems & Computing .....        | 168        |
| <b>College of Medical And Health Sciences</b>                                 | <b>170</b> |
| Bachelor's Degree In Physiotherapy .....                                      | 173        |

# COLLEGE OF ARTS & SCIENCE

As one of the five colleges of Ahlia University, the College of Arts & Science strives to provide excellence in teaching and research in a stimulating learning environment.

The College is committed to producing competent well-rounded graduates in the field of humanities and science who are able to meet new challenges and responsibilities in a technology driven society.

It seeks to help students to acquire transferable skills needed in their professional life and develop their critical, creative and analytical thinking and problem solving skills.

The College of Arts & Science aspires to achieve a position of international distinction by offering outstanding quality programmes in the areas of humanities and sciences, with excellence in research responsive to the needs of the community, enabling students to meet the global challenges faced by modern organisations.

It also aims to enhance the quality of education in its programmes by constantly monitoring teaching/ learning effectiveness and periodically reviewing its academic programmes.

The College maintains a good relationship with the relevant industries. There are strong ties with the local newspapers, radio and T.V. personnel as well as various interior design organisations. This relationship enhances training and job opportunities for the College graduates.

## OUR VISION

To be recognised for excellence in multidisciplinary education and research, within a vibrant and dynamic learning environment, towards producing agents of positive change.

## OUR MISSION

To offer a transformative learning experience through educational provision in the arts and sciences, by promoting adaptability, resilience, and global citizenship.

## OUR GOALS

- Develop and offer academic provision to encourage research and scholarship.
- Provide a depth and breadth of knowledge of the disciplines, and nurture talent and creativity.
- Promote transferrable skills, critical thinking, free inquiry, and lifelong learning.
- Encourage personal and professional development.
- Foster relationships with government, industry, and the wider community.

Discover more about your programme, semester intake and entry requirements from the list below.

## BACHELOR'S DEGREE IN INTERIOR DESIGN (BSID)

### OVERVIEW

The Bachelor's Degree in Interior Design at Ahlia University aims to attract imaginative students from varied study backgrounds, ages, gender, and nationalities to develop their knowledge, skills and attributes to transform them into professional innovators in the interior design of built environments.

The programme introduces an integrated design approach of the interior space as a holistic environment composed of physical space, along with the people and the surrounding furniture, objects, activities, and interactions within this space.

In stimulating studio-based educational environments, students are taught to learn and work collaboratively to gain hands-on experience designing several types of interior environments.

As such, it is through teamwork that students cultivate their oral, written, and visual communication skills. Additionally, the students are provided with a comprehensive learning experience supported by theoretical, historical, and technical knowledge and practice.

The result of our student-centred programme is recognizable in the quality of our graduates who can stand and compete locally, regionally, and internationally as creative professional Interior Designers. In order to meet the industry demands, our students are empowered by problem solving, critical intellect and futuristic thinking skills.

Associated with self-development, teamwork and leadership, our graduates are resourceful in a wide spectrum of design fields including interiors architecture, furniture, gardens, T.V & theatre set design, exhibitions & event planning.

Additionally, their awareness of sustainability and the socio-cultural issues of Green Design can qualify them to deal creatively with the challenges of human health, lifestyles and communities' development in Bahrain and beyond.

## PROGRAMME FACTS

- The programme is of 4 years duration.
- The programme is taught in English Language.
- The programme consists of 134 credit hours covering 47 courses.
- The programme is accredited by Higher Education Council.
- The programme achieved “Adequate Progress” in (2019) by the Education and Training Quality Authority, Kingdom of Bahrain
- The BSID programme is in process to be placed on the National Qualifications Framework (NQF)
- The programme offers a great opportunity for self-development through internship.

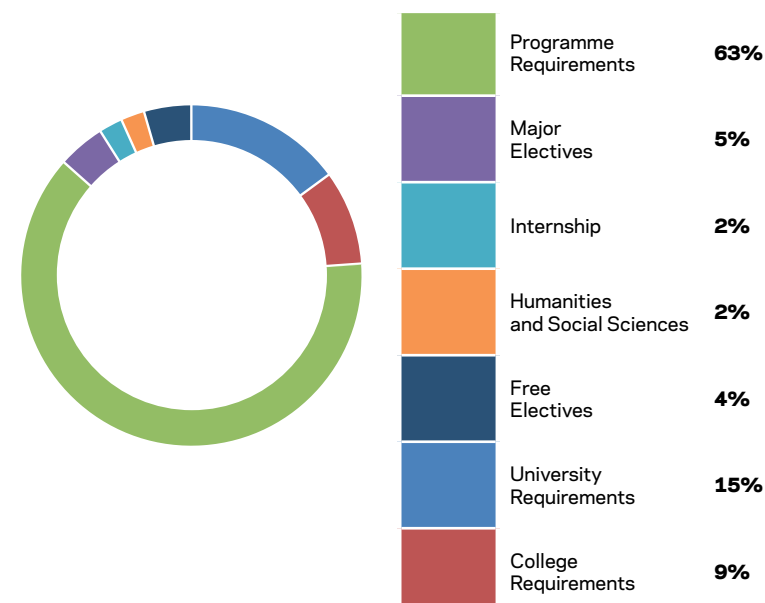
## PROGRAMME AIMS

The aim of the programme is to:

- To equip learners with depth and breadth of knowledge and skills to express competence in the field of interior design in accordance with local, regional, and international standards.
- To equip learners with transferable skills to respond to global challenges such as climate change and unexpected pandemics while maintaining aesthetics and functional design outcomes.
- To equip learners with practical abilities in conceptualization, holistic design, and project communication with professionals and clients.
- To empower learners to successfully pursue careers as interior designers motivated to engage in research and sustainable life-long learning in ways that serve the societal needs.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 12                  | 4              |
| Programme Requirements         | 84                  | 30             |
| Major Electives                | 6                   | 2              |
| Internship                     | 3                   | 1              |
| Humanities and Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>47</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & It              | 3            |
| ENGL         | 102              | Academic English Ii                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History Of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE         | CREDIT HOURS |
|--------------|------------------|----------------------|--------------|
| MATH         | 103              | Mathematics I        | 3            |
| MATH         | 104              | Mathematics II       | 3            |
| ENGL         | 201              | Academic English III | 3            |
| ENGL         | 202              | Academic English IV  | 3            |
| <b>TOTAL</b> | <b>4 COURSES</b> |                      | <b>12</b>    |

## PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                        | CREDIT HOURS |
|--------|------|-----------------------------------------------------|--------------|
| INTD   | 100  | Engineering Drawing                                 | 3            |
| INTD   | 111  | Basic Design I                                      | 3            |
| INTD   | 112  | Basic Design II                                     | 3            |
| INTD   | 113  | Colour And Rendering Techniques                     | 3            |
| MAGT   | 121  | Fundamentals Of Management                          | 3            |
| INTD   | 214  | Software Technologies For Interior Design           | 3            |
| INTD   | 218  | Materials And Finishes In Interior Design           | 2            |
| INTD   | 219  | History Of Architecture, Art, And Design            | 2            |
| INTD   | 220  | Residential Interior Design Studio                  | 3            |
| INTD   | 224  | Interior Lighting And Acoustics                     | 3            |
| INTD   | 228  | Textiles For Interior Design                        | 2            |
| INTD   | 229  | Theory Of Interior Design                           | 2            |
| INTD   | 230  | Digital Visualization In Interior Design I          | 3            |
| INTD   | 240  | Retail Interior Design Studio                       | 3            |
| INTD   | 306  | Building System & Interior Codes                    | 3            |
| INTD   | 309  | Building Information Modeling (Bim) I               | 3            |
| INTD   | 318  | Bahrain Traditional Interior Design                 | 2            |
| INTD   | 320  | Hospitality Interior Design Studio                  | 3            |
| INTD   | 328  | Furniture Design And Details                        | 3            |
| INTD   | 327  | Design And Society                                  | 2            |
| INTD   | 340  | Educational Interior Design Studio                  | 3            |
| INTD   | 350  | Digital Visualization In Interior Design II         | 3            |
| ETHC   | 394  | Ethics And Professional Practice In Interior Design | 3            |

|              |                   |                                     |           |
|--------------|-------------------|-------------------------------------|-----------|
| INTD         | 403               | Working Drawing & Documentation     | 3         |
| INTD         | 413               | Sustainable Design                  | 3         |
| INTD         | 420               | Healthcare Interior Design Studio   | 3         |
| IDRM         | 498               | Research Methods In Interior Design | 3         |
| MAGT         | 416               | Project Management                  | 3         |
| INTD         | 499               | Project In Interior Design          | 3         |
| MAGT         | 424               | Entrepreneurship & Innovation       | 3         |
| <b>TOTAL</b> | <b>30 COURSES</b> |                                     | <b>84</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                           | CREDIT HOURS |
|--------------|-------------------------------------|----------------------------------------|--------------|
| INTD         | 312                                 | Human Factors In Design                | 3            |
| INTD         | 315                                 | Garden & Landscape Design              | 3            |
| INTD         | 329                                 | Building Information Modeling (Bim) Ii | 3            |
| INTD         | 343                                 | Digital Presentation And Communication | 3            |
| INTD         | 412                                 | Design Psychology                      | 3            |
| INTD         | 419                                 | Introduction To Virtual Reality        | 3            |
| INTD         | 427                                 | Signage & Wayfinding Systems           | 3            |
| INTD         | 435                                 | Exhibit Design And Installation        | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                        | <b>6</b>     |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE    | CREDIT HOURS |
|--------------|-----------------|-----------------|--------------|
| INTR         | 470             | BSID Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                 | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE | COURSE TITLE                                     | CREDIT HOURS |
|--------------|------|--------------------------------------------------|--------------|
| ANTH         | 101  | Introduction To Anthropology                     | 3            |
| ARAB         | 102  | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201  | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101  | Introduction To Chinese I                        | 3            |
| CULT         | 101  | Introduction To Culture                          | 3            |
| CULT         | 102  | Islamic Culture                                  | 3            |
| ENGL         | 215  | Readings In English Literature                   | 3            |
| ENGL         | 216  | Readings Literature II                           | 3            |
| ENGL         | 218  | Workplace Writing Skills                         | 3            |
| ENGL         | 221  | Introduction To Translation                      | 3            |
| FREN         | 101  | French I                                         | 3            |
| FREN         | 102  | French Ii                                        | 3            |
| GERM         | 101  | German Language & Culture I                      | 3            |
| GERM         | 102  | German Language & Culture II                     | 3            |
| HIST         | 101  | Modern History of The Middle East & North Africa | 3            |
| IREL         | 101  | International Relations                          | 3            |
| KORN         | 101  | Introduction To Korean Language I                | 3            |
| KORN         | 102  | Introduction To Korean Language II               | 3            |
| LAW          | 101  | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101  | Introduction To Psychology                       | 3            |
| SOCI         | 101  | Sociology                                        | 3            |
| SOCI         | 102  | Sociology II                                     | 3            |
| SPAN         | 101  | Introduction To Spanish I                        | 3            |
| SPAN         | 102  | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> |      |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as **Free Electives**

**DETAILED STUDY PLAN (BSID)****FIRST YEAR (33 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|----------------|--------------------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER | ITCS               | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                | ENGL               | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                | ARAB               | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                | MATH               | 103  | Mathematics I                               | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | INTD               | 100  | Engineering Drawing                         | 1   | 4   | 3   |                                                 |
|                | INTD               | 111  | Basic Design I                              | 1   | 4   | 3   |                                                 |
|                | TOTAL PER SEMESTER |      |                                             | 18  |     |     |                                                 |

|                 | COURSE             | CODE | COURSE TITLE                    | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|---------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | ENGL               | 102  | Academic English II             | 3   | 0   | 3   | ENGL 101     |
|                 | MATH               | 104  | Mathematics II                  | 3   | 0   | 3   | MATH 103     |
|                 | INTD               | 112  | Basic Design II                 | 1   | 4   | 3   | INTD 111     |
|                 | INTD               | 113  | Colour and Rendering Techniques | 1   | 4   | 3   |              |
|                 | MAGT               | 121  | Fundamentals of Management      | 3   | 0   | 3   |              |
|                 | TOTAL PER SEMESTER |      |                                 | 15  |     |     |              |

**SECOND YEAR (37 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                              | LEC | LAB | CRE | PREREQUISITE                       |
|----------------|--------------------|------|-------------------------------------------|-----|-----|-----|------------------------------------|
| FIRST SEMESTER | STAT               | 101  | Introduction to Statistics                | 3   | 0   | 3   | MATH 053 or passing placement test |
|                | ENGL               | 201  | Academic English III                      | 3   | 0   | 3   | ENGL 102                           |
|                | INTD               | 214  | Software Technologies for Interior Design | 1   | 4   | 3   | INTD 112                           |
|                | INTD               | 218  | Materials and Finishes in Interior Design | 2   | 0   | 2   |                                    |
|                | INTD               | 219  | History of Architecture, Art, and Design  | 2   | 0   | 2   |                                    |
|                | INTD               | 220  | Residential Interior Design Studio        | 1   | 4   | 3   | INTD 112                           |
|                | INTD               | 224  | Interior Lighting and Acoustics           | 3   | 0   | 3   | INTD 100                           |
|                | TOTAL PER SEMESTER |      |                                           | 19  |     |     |                                    |

|                 | COURSE             | CODE | COURSE TITLE                               | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|--------------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | HUMR               | 101  | Principles of Human Rights                 | 2   | 0   | 2   |              |
|                 | HIST               | 121  | Modern History of Bahrain                  | 3   | 0   | 3   |              |
|                 | ENGL               | 202  | Academic English IV                        | 3   | 0   | 3   | ENGL 201     |
|                 | INTD               | 228  | Textiles for Interior Design               | 2   | 0   | 2   | INTD 218     |
|                 | INTD               | 229  | Theory of Interior Design                  | 2   | 0   | 2   | INTD 219     |
|                 | INTD               | 230  | Digital Visualization in Interior Design I | 1   | 4   | 3   | INTD 214     |
|                 | INTD               | 240  | Retail Interior Design Studio              | 1   | 4   | 3   | INTD 220     |
|                 | TOTAL PER SEMESTER |      |                                            | 18  |     |     |              |

**THIRD YEAR (37 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                          | LEC | LAB | CRE | PREREQUISITE |
|----------------|--------------------|------|---------------------------------------|-----|-----|-----|--------------|
| FIRST SEMESTER | INTD               | 306  | Building System & Interior Codes      | 3   | 0   | 3   | INTD 218     |
|                | INTD               | 309  | Building Information Modeling (BIM) I | 1   | 4   | 3   | INTD 230     |
|                | INTD               | 318  | Bahrain Traditional Interior Design   | 2   | 0   | 2   |              |
|                | INTD               | 320  | Hospitality Interior Design Studio    | 1   | 4   | 3   | INTD 240     |
|                | INTD               | 328  | Furniture Design and Details          | 1   | 4   | 3   | INTD 218     |
|                | INTD               | 3XX  | Major Elective I                      | X   | X   | 3   |              |
|                | TOTAL PER SEMESTER |      |                                       | 17  |     |     |              |

|                 | COURSE             | CODE | COURSE TITLE                                        | LEC | LAB | CRE | PREREQUISITE                      |
|-----------------|--------------------|------|-----------------------------------------------------|-----|-----|-----|-----------------------------------|
| SECOND SEMESTER | INTD               | 327  | Design and Society                                  | 2   | 0   | 2   | INTD 240                          |
|                 | INTD               | 340  | Educational Interior Design Studio                  | 1   | 4   | 3   | INTD 320                          |
|                 | INTD               | 350  | Digital Visualization in Interior Design II         | 1   | 4   | 3   | INTD 230                          |
|                 | ETHC               | 394  | Ethics and Professional Practice in Interior Design | 3   | 0   | 3   | Completion of at least 66 credits |
|                 | XXXX               | XXX  | Free Elective I                                     | X   | X   | 3   |                                   |
|                 | HU/SS              | XXX  | Humanities & Social Sciences                        | 3   | 0   | 3   |                                   |
|                 | TOTAL PER SEMESTER |      |                                                     | 17  |     |     |                                   |

**FOURTH YEAR (27 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                        | LEC | LAB | CRE | PREREQUISITE                                   |
|----------------|--------------------|------|-------------------------------------|-----|-----|-----|------------------------------------------------|
| FIRST SEMESTER | INTD               | 403  | Working Drawing & Documentation     | 1   | 4   | 3   | INTD 306                                       |
|                | INTD               | 413  | Sustainable Design                  | 3   | 0   | 3   | INTD 320                                       |
|                | INTD               | 420  | Healthcare Interior Design Studio   | 1   | 4   | 3   | INTD 340                                       |
|                | IDRM               | 498  | Research Methods in Interior Design | 3   | 0   | 3   | ETHC 394 AND Completion of at least 90 credits |
|                | MAGT               | 416  | Project Management                  | 3   | 0   | 3   | MAGT 121 AND Completion of at least 90 credits |
|                | TOTAL PER SEMESTER |      |                                     | 15  |     |     |                                                |

|                 | COURSE             | CODE | COURSE TITLE                  | LEC | LAB | CRE | PREREQUISITE                                   |
|-----------------|--------------------|------|-------------------------------|-----|-----|-----|------------------------------------------------|
| SECOND SEMESTER | INTD               | 499  | Project in Interior Design    | 0   | 6   | 3   | IDRM 498                                       |
|                 | INTD               | 4XX  | Major Elective II             | X   | X   | 3   |                                                |
|                 | MAGT               | 424  | Entrepreneurship & Innovation | 3   | 0   | 3   | MAGT 121 AND Completion of at least 90 credits |
|                 | XXXX               | XXX  | Free Elective II              | X   | X   | 3   |                                                |
|                 | TOTAL PER SEMESTER |      |                               | 12  |     |     |                                                |



## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                           | LEC | LAB | CRE | PREREQUISITE |
|--------|------|----------------------------------------|-----|-----|-----|--------------|
| INTD   | 312  | Human Factors in Design                | 3   | 0   | 3   | INTD 220     |
| INTD   | 315  | Garden & Landscape Design              | 1   | 4   | 3   | INTD 220     |
| INTD   | 329  | Building Information Modeling (BIM) II | 1   | 4   | 3   | INTD 309     |
| INTD   | 343  | Digital Presentation and Communication | 1   | 4   | 3   | INTD 214     |
| INTD   | 412  | Design Psychology                      | 3   | 0   | 3   | INTD 229     |
| INTD   | 419  | Introduction to Virtual Reality        | 2   | 2   | 3   | INTD 350     |
| INTD   | 427  | Signage & Wayfinding Systems           | 2   | 2   | 3   | INTD 327     |
| INTD   | 435  | Exhibit Design and Installation        | 2   | 2   | 3   | INTD 320     |

\*BSID students take one major elective at the -300level and one major elective at the -400level with the caveat that if the student elects a theoretical course (3-0-3) at the -300level, it is incumbent on the BSID student to take a practical course [(3-2-2)(3-4-1)] at the -400level; conversely, if the student elects a practical course [(3-2-2)(3-4-1)] at the -300level, it is incumbent on the BSID student to take a theoretical course (3-0-3) at the -400level.

## BACHELOR'S DEGREE IN MASS COMMUNICATION AND PUBLIC RELATIONS (BSMCPR)

### OVERVIEW

The Bachelor's Degree in Mass Communication & Public Relations (BSMCPR) aspires to produce highly competent communicators who apply critical thinking to solve public relations issues and demonstrate ethical and professional behaviour.

In minting socially responsible communication professionals capable of competently employing a broad range of media and technologies available for disseminating messages and images to various publics, the Department enables students to explore media related issues from many points of view with the aim to instil a creative thought process requiring both inquiry and critical thinking.

Graduates from the programme have the opportunity to work in radio, television and the press or public relations. They can either establish their own offices or work in the private and public sectors in areas such as public relations, implementation, and commercial activities. Additionally, they have the opportunity to be instructors in universities after continuing their higher studies.

## PROGRAMME FACTS

- The programme is of 4 years duration.
- The language of instruction is approximately 60% Arabic - 40% English.
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme achieved "Adequate Progress" in (2019) by The Education and Training Quality Authority, Kingdom of Bahrain.
- The BSMCPR programme is in process to be placed on the National Qualifications Framework (NQF).
- The programme offers a great opportunity for self-development through internship.

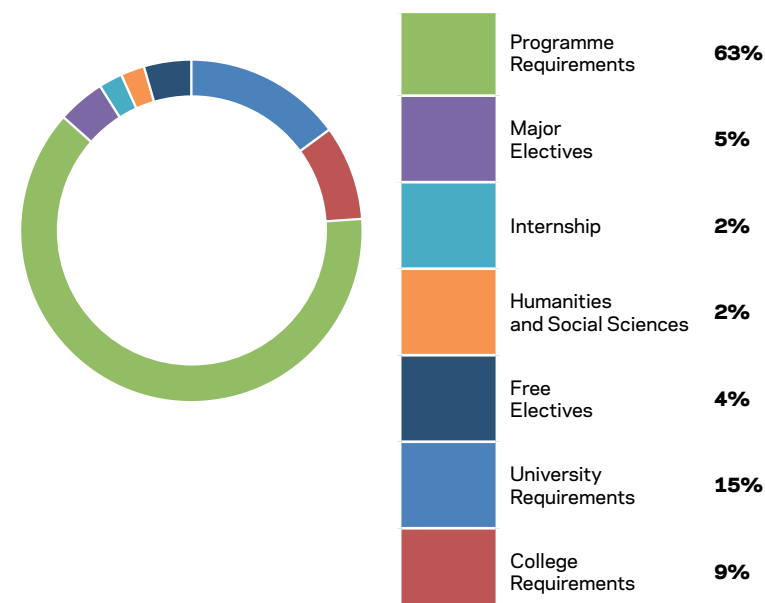
## PROGRAMME AIMS

The aim of the programme is to:

- Help the students to gain knowledge, background, and practical skills in the field of Mass Communication and Public Relations.
- Provide students with both theoretical and practical knowledge.
- Give students a great opportunity for self-development through practical professional work and internship.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 12                  | 4              |
| Programme Requirements         | 84                  | 28             |
| Major Electives                | 6                   | 2              |
| Internship                     | 3                   | 1              |
| Humanities and Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & It              | 3            |
| ENGL         | 102              | Academic English Ii                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History Of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE             | CREDIT HOURS |
|--------------|------------------|--------------------------|--------------|
| MATH         | 103              | Mathematics I            | 3            |
| MATH         | 104              | Mathematics II           | 3            |
| ENGL         | 201              | Academic English III     | 3            |
| ENGL         | 210              | Technical Report Writing | 3            |
| <b>TOTAL</b> | <b>4 COURSES</b> |                          | <b>12</b>    |

## PROGRAMME REQUIREMENTS

| COURSE     | CODE | COURSE TITLE                                              | CREDIT HOURS |
|------------|------|-----------------------------------------------------------|--------------|
| ARAB       | 201  | Introduction To Modern Arabic Literature                  | 3            |
| ETHC       | 397  | Media Law And Ethics                                      | 3            |
| MAGT       | 121  | Fundamentals Of Management                                | 3            |
| MAKT       | 201  | Principles Of Marketing                                   | 3            |
| MASC       | 205  | Media Outlets In Bahrain                                  | 3            |
| MASC       | 206  | Writing For Tv And Radio                                  | 3            |
| MASC       | 209  | Mass Media And Society                                    | 3            |
| MASC       | 311  | Feature Writing                                           | 3            |
| MASC       | 340  | Radio Production                                          | 3            |
| MASC       | 341  | Tv Production                                             | 3            |
| MASC       | 342  | Radio And Tv Directing                                    | 3            |
| MASC       | 343  | Digital And Mobile Journalism                             | 3            |
| MASC       | 344  | Media Editing In English I                                | 3            |
| MASC/ PREL | 499  | Project In Masc Or Prel                                   | 3            |
| MCPR       | 101  | Introduction To Communication                             | 3            |
| MCPR       | 102  | News Reporting And Writing                                | 3            |
| MCPR       | 208  | Digital Photography                                       | 3            |
| MCPR       | 211  | Media Graphics                                            | 3            |
| MCPR       | 232  | Theories Of Mass Communication                            | 3            |
| MCPR       | 300  | Media Design And Layout                                   | 3            |
| PMRM       | 498  | Research Methods In Mass Communication & Public Relations | 3            |
| PREL       | 121  | Introduction To Public Relations & Advertising            | 3            |
| PREL       | 268  | Pr & Advertising Campaigns                                | 3            |

|              |                   |                                    |           |
|--------------|-------------------|------------------------------------|-----------|
| PREL         | 301               | International Communication        | 3         |
| PREL         | 302               | Writing For Public Relations       | 3         |
| PREL         | 412               | Integrated Marketing Communication | 3         |
| PREL         | 447               | Media Production For PR            | 3         |
| PREL         | 484               | Digital Public Relations           | 3         |
| <b>TOTAL</b> | <b>28 COURSES</b> |                                    | <b>84</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                               | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------------------------|---------------------------------------------|--------------|
| MASC         | 411                                | Media Translation                           | 3            |
| MASC         | 439                                | Presenting And Persuasion Skills            | 3            |
| MASC         | 444                                | Media Editing In English li                 | 3            |
| MASC         | 456                                | Tv And Radio Editing                        | 3            |
| MASC         | 464                                | Documentary Films                           | 3            |
| MASC         | 467                                | Specialized Journalism                      | 3            |
| MASC         | 474                                | Social Media                                | 3            |
| PREL         | 422                                | Public Opinion & Its Measurement            | 3            |
| PREL         | 439                                | Strategic Communication In Public Relations | 3            |
| PREL         | 464                                | Protocol & Event Management                 | 3            |
| PREL         | 475                                | Advertising Copy Writing & Design           | 3            |
| PREL         | 477                                | Crisis Communications                       | 3            |
| <b>TOTAL</b> | <b>ANYTWO OF THE ABOVE COURSES</b> |                                             | <b>6</b>     |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE      | CREDIT HOURS |
|--------------|-----------------|-------------------|--------------|
| INTR         | 470             | BSMCPR Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                   | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE | COURSE TITLE                                     | CREDIT HOURS |
|--------------|------|--------------------------------------------------|--------------|
| ANTH         | 101  | Introduction To Anthropology                     | 3            |
| ARAB         | 102  | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201  | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101  | Introduction To Chinese I                        | 3            |
| CULT         | 101  | Introduction To Culture                          | 3            |
| CULT         | 102  | Islamic Culture                                  | 3            |
| ENGL         | 215  | Readings In English Literature                   | 3            |
| ENGL         | 216  | Readings Literature II                           | 3            |
| ENGL         | 218  | Workplace Writing Skills                         | 3            |
| ENGL         | 221  | Introduction To Translation                      | 3            |
| FREN         | 101  | French I                                         | 3            |
| FREN         | 102  | French II                                        | 3            |
| GERM         | 101  | German Language & Culture I                      | 3            |
| GERM         | 102  | German Language & Culture II                     | 3            |
| HIST         | 101  | Modern History Of The Middle East & North Africa | 3            |
| IREL         | 101  | International Relations                          | 3            |
| KORN         | 101  | Introduction To Korean Language I                | 3            |
| KORN         | 102  | Introduction To Korean Language II               | 3            |
| LAW          | 101  | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101  | Introduction To Psychology                       | 3            |
| SOCI         | 101  | Sociology                                        | 3            |
| SOCI         | 102  | Sociology li                                     | 3            |
| SPAN         | 101  | Introduction To Spanish I                        | 3            |
| SPAN         | 102  | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> |      |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as Free Electives

**DETAILED STUDY PLAN (BSMCPR)****FIRST YEAR (35 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|----------------|--------------------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER | ARAB               | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                | ENGL               | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                | HUMR               | 101  | Principles of Human Rights                  | 2   | 0   | 2   |                                                 |
|                | ITCS               | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                | MCPR               | 101  | Introduction to Communication               | 3   | 0   | 3   |                                                 |
|                | MATH               | 103  | Mathematics I                               | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | TOTAL PER SEMESTER |      |                                             | 17  |     |     |                                                 |

|                 | COURSE             | CODE | COURSE TITLE                                   | LEC | LAB | CRE | PREREQUISITE                       |
|-----------------|--------------------|------|------------------------------------------------|-----|-----|-----|------------------------------------|
| SECOND SEMESTER | STAT               | 101  | Introduction to Statistics                     | 3   | 0   | 3   | MATH 053 or passing placement test |
|                 | ENGL               | 102  | Academic English II                            | 3   | 0   | 3   | ENGL 101                           |
|                 | MCPR               | 102  | News Reporting and Writing                     |     |     |     | MCPR 101                           |
|                 | MATH               | 104  | Mathematics II                                 | 3   | 0   | 3   | MATH 103                           |
|                 | HIST               | 121  | Modern History of Bahrain                      | 3   | 0   | 3   |                                    |
|                 | PREL               | 121  | Introduction to Public Relations & Advertising | 3   | 0   | 3   |                                    |
|                 | TOTAL PER SEMESTER |      |                                                | 18  |     |     |                                    |

**SECOND YEAR (36 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                             | LEC | LAB | CRE | PREREQUISITE |
|----------------|--------------------|------|------------------------------------------|-----|-----|-----|--------------|
| FIRST SEMESTER | ARAB               | 201  | Introduction to Modern Arabic Literature | 3   | 0   | 3   | ARAB 101     |
|                | ENGL               | 201  | Academic English III                     | 3   | 0   | 3   | ENGL 102     |
|                | MASC               | 205  | Media Outlets in Bahrain                 | 3   | 0   | 3   |              |
|                | MASC               | 206  | Writing for TV and Radio                 | 2   | 2   | 3   | MCPR 102     |
|                | MAGT               | 121  | Fundamentals of Management               | 3   | 0   | 3   |              |
|                | MCPR               | 232  | Theories of Mass Communication           | 3   | 0   | 3   | MCPR 101     |
|                | TOTAL PER SEMESTER |      |                                          | 18  |     |     |              |

|                 | COURSE             | CODE | COURSE TITLE               | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|----------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | MAKT               | 201  | Principles of Marketing    | 3   | 0   | 3   | MAGT 121     |
|                 | ENGL               | 210  | Technical Report Writing   | 3   | 0   | 3   | ENGL 201     |
|                 | MCPR               | 208  | Digital Photography        | 2   | 2   | 3   | ITCS 101     |
|                 | MASC               | 209  | Mass Media and Society     | 3   | 0   | 3   |              |
|                 | MCPR               | 211  | Media Graphics             | 1   | 4   | 3   | ITCS 101     |
|                 | PREL               | 268  | PR & Advertising Campaigns | 2   | 2   | 3   | PREL 121     |
|                 | TOTAL PER SEMESTER |      |                            | 18  |     |     |              |

**THIRD YEAR (36 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                 | LEC | LAB | CRE | PREREQUISITE                                   |
|----------------|--------------------|------|------------------------------|-----|-----|-----|------------------------------------------------|
| FIRST SEMESTER | ETHC               | 397  | Media Law and Ethics         | 3   | 0   | 3   | MASC 206 AND Completion of at least 66 credits |
|                | PREL               | 301  | International Communication  | 3   | 0   | 3   |                                                |
|                | PREL               | 302  | Writing for Public Relations | 2   | 2   | 3   | PREL 268                                       |
|                | MASC               | 311  | Feature Writing              | 2   | 2   | 3   | MASC 206                                       |
|                | MASC               | 340  | Radio Production             | 2   | 2   | 3   | MASC 209                                       |
|                | MASC               | 341  | TV Production                | 2   | 2   | 3   | MCPR 208                                       |
|                | TOTAL PER SEMESTER |      |                              | 18  |     |     |                                                |

|                 | COURSE             | CODE | COURSE TITLE                  | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|-------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | MCPR               | 300  | Media Design and Layout       | 2   | 2   | 3   | MCPR 211     |
|                 | MASC               | 342  | Radio and TV Directing        | 1   | 4   | 3   |              |
|                 | MASC               | 343  | Digital and Mobile Journalism | 1   | 4   | 3   | MASC 311     |
|                 | MASC               | 344  | Media Editing in English I    | 2   | 2   | 3   | ENGL 210     |
|                 | HU/SS              | XXX  | Humanities & Social Sciences  | 3   | 0   | 3   |              |
|                 | TOTAL PER SEMESTER |      |                               | 15  |     |     |              |

|        | COURSE             | CODE | COURSE TITLE      | LEC | LAB | CRE | PREREQUISITE                                               |
|--------|--------------------|------|-------------------|-----|-----|-----|------------------------------------------------------------|
| SUMMER | INTR               | 471  | BSMCPR Internship | 0   | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00,00 |
|        | TOTAL PER SEMESTER |      |                   | 3   |     |     |                                                            |

**FOURTH YEAR (27 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                              | LEC | LAB | CRE | PREREQUISITE                                   |
|----------------|--------------------|------|-----------------------------------------------------------|-----|-----|-----|------------------------------------------------|
| FIRST SEMESTER | XXXX               | XXX  | Major Elective I                                          | X   | X   | 3   |                                                |
|                | PREL               | 412  | Integrated Marketing Communication                        | 3   | 0   | 3   | MAKT 201                                       |
|                | PMRM               | 498  | Research Methods in Mass Communication & Public Relations | 2   | 2   | 3   | ETHC 397 AND Completion of at least 90 credits |
|                | XXXX               | XXX  | Free Elective I                                           | X   | X   | 3   |                                                |
|                | TOTAL PER SEMESTER |      |                                                           | 12  |     |     |                                                |

|                 | COURSE             | CODE | COURSE TITLE             | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|--------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | PREL               | 484  | Digital Public Relations | 2   | 2   | 3   | PREL 302     |
|                 | XXXX               | XXX  | Major Elective II        | X   | X   | 3   |              |
|                 | PREL               | 447  | Media Production for PR  | 2   | 2   | 3   | MCPR 211     |
|                 | MASC/PREL          | 499  | Project in MASC or PREL  | X   | X   | 3   | PMRM 498     |
|                 | XXXX               | XXX  | Free Elective II         | X   | X   | 3   |              |
|                 | TOTAL PER SEMESTER |      |                          | 15  |     |     |              |

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE          |
|--------|------|---------------------------------------------|-----|-----|-----|-----------------------|
| MASC   | 411  | Media Translation                           | 2   | 2   | 3   | MASC 311 and MASC 344 |
| MASC   | 439  | Presenting and Persuasion Skills            | 1   | 4   | 3   | MASC 206 and ETHC 397 |
| MASC   | 444  | Media Editing in English II                 | 2   | 2   | 3   | MASC 344              |
| MASC   | 456  | TV and Radio Editing                        | 1   | 4   | 3   | MASC 342              |
| MASC   | 464  | Documentary Films                           | 2   | 2   | 3   | MASC 341              |
| MASC   | 467  | Specialized Journalism                      | 2   | 2   | 3   | MASC 311              |
| MASC   | 474  | Social Media                                | 2   | 2   | 3   | MASC 343              |
| PREL   | 422  | Public Opinion & its Measurement            | 3   | 0   | 3   | MCPR 232 and STAT 101 |
| PREL   | 439  | Strategic Communication in Public Relations | 3   | 0   | 3   | MCPR 300              |
| PREL   | 464  | Protocol & Event Management                 | 2   | 2   | 3   | MCPR 300              |
| PREL   | 475  | Advertising Copy Writing & Design           | 2   | 2   | 3   | PREL 340 and MCPR 206 |
| PREL   | 477  | Crisis Communications                       | 3   | 0   | 3   | PREL 301 and PREL 302 |

## MASTER'S DEGREE IN MASS COMMUNICATION AND PUBLIC RELATIONS (MSMCPR)

### OVERVIEW

The Master's Degree in Mass Communication and Public Relations is designed to build or enhance professional knowledge, skills and, leadership in mass communication and public relations fields. The curriculum combines up-to-date knowledge with practical application and individual experience.

The programme aims to bridge theory and practice in a dynamic interplay; to develop a wide-ranging portfolio of skill-sets, providing students with modernized educational and communicational environment based on the collaboration between the students of the department, its staff members and the mass media organizations including (press-public relations broadcasting) organizations.

There will also be a focus on engagement in scientific research, teaching students how to perform high quality research in mass communication and public relation fields.

## PROGRAMME FACTS

- The programme is of 2 years duration.
- The language of instruction is approximately 80% Arabic -20% English.
- The programme consists of 36 credit hours.
- The programme is accredited by Higher Education Council.
- The MSMCPR programme is in process to be placed on the National Qualifications Framework (NQF).

## PROGRAMME AIMS

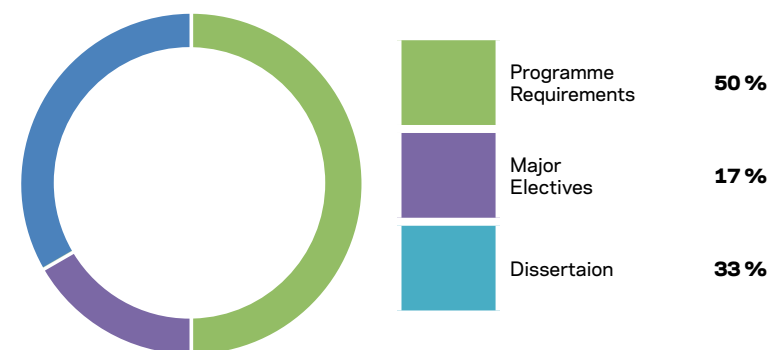
The aim of the programme is to:

- The master's degree in Mass Communications & Public Relations is designed to build or enhance professional knowledge, skills and leadership in mass communication and Public Relations fields.
- The curriculum combines up-to-date knowledge with practical application and individualized experience.
- The master's programme aims to bridge theory and practice in a dynamic interplay; to develop a wide-ranging portfolio of skill-sets:
  - Professional Skills
  - Uncompromising Ethics
  - Globalization
  - Leadership Skills
  - Communication Skills
- Providing students with a modernized educational and communicational environment based on the collaboration between the students of the department, its staff members and mass media organizations including (press - public relations - broadcasting) organizations.
- There will also be a focus on engagement in scientific research, teaching students how to perform high-quality research in mass communication and the public relation fields.

## PROGRAMME COMPONENTS

| COURSE TYPE             | NO. OF CREDIT-HOURS | NO. OF COURSES |
|-------------------------|---------------------|----------------|
| University Requirements | 6*                  | 2*             |
| College Requirements    | 18                  | 6              |
| Programme Requirements  | 6                   | 2              |
| Major Electives         | 12                  | 1              |
| <b>TOTAL</b>            | <b>36</b>           | <b>9</b>       |

\* Not counted towards the 36 credit-hours necessary for the Master's Degree in Mass Communication and Public Relations



## LIST OF COURSES

### FOUNDATION COURSES\* (IF REQUIRED)

| COURSE       | CODE             | COURSE TITLE                         | CREDIT HOURS |
|--------------|------------------|--------------------------------------|--------------|
| MASC         | 502              | Basic Concepts In Mass Communication | 3            |
| PREL         | 502              | Basic Concepts In Public Relations   | 3            |
| <b>TOTAL</b> | <b>2 COURSES</b> |                                      | <b>6</b>     |

1. If any student registered for foundation course(s) according to the admission requirements, he /she must receive a grade of B or more in all foundation courses he/she registered.
2. The grade of the foundation courses are not considered in the CGPA
3. These courses are not considered as part of the MSMCPR programme

### PROGRAMME REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                                | CREDIT HOURS |
|--------------|------------------|-------------------------------------------------------------|--------------|
| MCPR         | 511              | Contemporary Trends In Communication & Pr Theories          | 3            |
| MASC         | 519              | New Trends In Journalism                                    | 3            |
| PREL         | 519              | Strategic Communication And Crisis Management               | 3            |
| MCPR         | 521              | Research Methods In Mass Communication And Public Relations | 3            |
| MASC         | 522              | Analysis Of Radio And Tv Discourse                          | 3            |
| PREL         | 526              | Digital Public Relations                                    | 3            |
| <b>TOTAL</b> | <b>6 COURSES</b> |                                                             | <b>18</b>    |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                                     | CREDIT HOURS |
|--------------|-------------------------------------|--------------------------------------------------|--------------|
| MASC         | 534                                 | Social Media And Digital Culture                 | 3            |
| MASC         | 537                                 | Investigative Journalism                         | 3            |
| MASC         | 539                                 | Writing For Radio And Tv                         | 3            |
| PREL         | 538                                 | Planning And Management of Advertising Campaigns | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                                  | <b>6</b>     |

### DISSERTATION

| COURSE       | CODE              | COURSE TITLE                                           | CREDIT HOURS |
|--------------|-------------------|--------------------------------------------------------|--------------|
| DMCDMPR      | 599               | Dissertation In Mass Communication Or Public Relations | 12           |
| <b>TOTAL</b> | <b>ONE COURSE</b> |                                                        | <b>12</b>    |



**DETAILED STUDY PLAN (MSMCPR)****FOUNDATION COURSES (PRE MSMCPR COURSES\*) (6 CREDITS)**

|  | COURSE                    | CODE | COURSE TITLE                         | LEC       | LAB | CRE | PREREQUISITE |
|--|---------------------------|------|--------------------------------------|-----------|-----|-----|--------------|
|  | MASC                      | 502  | Basic Concepts in Mass Communication | 3         | 0   | 3   |              |
|  | PREL                      | 502  | Basic Concepts in Public Relations   | 3         | 0   | 3   |              |
|  | <b>TOTAL PER SEMESTER</b> |      |                                      | <b>6*</b> |     |     |              |

1. If any student registered in foundation course(s) according to the admission requirements, he/she must receive a grade of B or more in all foundation courses he/she registered.
2. The grades of the foundation courses are not considered in the CGPA.
3. These courses are not considered as part of the MSMCPR programme.

**FIRST YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                                       | LEC      | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|----------------------------------------------------|----------|-----|-----|--------------|
|                | MCPR                      | 511  | Contemporary Trends in Communication & PR Theories | 3        | 0   | 3   |              |
|                | MASC                      | 519  | New Trends in Digital Journalism                   | 2        | 2   | 3   |              |
|                | PREL                      | 519  | Strategic Communication and Crisis Management      | 3        | 0   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |                                                    | <b>9</b> |     |     |              |

| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE                                                | LEC      | LAB | CRE | PREREQUISITE                     |
|-----------------|---------------------------|------|-------------------------------------------------------------|----------|-----|-----|----------------------------------|
|                 | MASC                      | 522  | Analysis of Radio and TV Discourse                          | 3        | 0   | 3   |                                  |
|                 | MCPR                      | 521  | Research Methods in Mass Communication and Public Relations | 3        | 0   | 3   | Completion of at least 9 credits |
|                 | PREL                      | 526  | Digital Public Relations                                    | 2        | 2   | 3   |                                  |
|                 | <b>TOTAL PER SEMESTER</b> |      |                                                             | <b>9</b> |     |     |                                  |

**SECOND YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE | LEC      | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|--------------|----------|-----|-----|--------------|
|                | MASC/<br>PREL             | 5XX  | Elective I   | X        | X   | 3   |              |
|                | MASC/<br>PREL             | 5XX  | Elective II  | X        | X   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |              | <b>6</b> |     |     |              |

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                 | LEC       | LAB | CRE | PREREQUISITE                                   |
|----------------|---------------------------|------|------------------------------|-----------|-----|-----|------------------------------------------------|
|                | DMMC/<br>DMPR             | 599  | Dissertation in MASC or PREL | X         | X   | 12  | MCPR 521 AND Completion of at least 21 credits |
|                | <b>TOTAL PER SEMESTER</b> |      |                              | <b>12</b> |     |     |                                                |

\* A student can register in the dissertation course DMMC/DMPR 599 if the following conditions are satisfied: the student

1. completed successfully at least 21 credit hours including MCPR 521
2. received a grade of B or more in MCPR 521, and
3. attained a GPA of at least 3.0

**LIST OF MAJOR ELECTIVE COURSES**

| COURSE | CODE | COURSE TITLE                                     | LEC | LAB | CRE | PREREQUISITE |
|--------|------|--------------------------------------------------|-----|-----|-----|--------------|
| MASC   | 534  | Social Media and Digital Culture                 | 3   | 0   | 3   |              |
| MASC   | 537  | Investigative Journalism                         | 2   | 2   | 3   |              |
| MASC   | 539  | Writing for Radio and TV                         | 3   | 0   | 3   |              |
| PREL   | 538  | Planning and Management of Advertising Campaigns | 2   | 2   | 3   |              |

# COLLEGE OF BUSINESS & FINANCE

The College of Business and Finance (CBF) at Ahlia University is the largest College within the University and offers five undergraduate programmes, including bachelor's degree in Accounting & Finance (BSAF), Bachelor's Degree in Economics & Finance (BSEF), Bachelor's Degree in Banking & Finance (BSBF), Bachelor's Degree in Management & Marketing (BSMM), and Bachelor's Degree in Management Information Systems (BSMIS). The College also offers three in-house postgraduate programme, Master's Degree in Business Administration (MBA), Master of Science in Forensic Accounting (MSFA), Master's Degree in Financial Technology (MSFT), and two cross-border programmes including PhD without residence with Brunel University, London, and Master of Science Degree in Engineering Management with the George Washington University, USA. All our programmes are in line with professional certifications and industry requirements, have gained full confidence by Education & Training Quality Authority (BQA), and have been placed on National Qualifications Framework (NQF) in Bahrain.

Our mission at the College is to enable our students to become the business leaders of tomorrow, learning not only the theoretical knowledge required but also cultivating the technical skills demanded by 21st century business. The College of Business and Finance carefully selects its faculty members with distinguished academic research record. In the field of scientific research, the College of Business and Finance gives priority to supporting scientific research among its members and students. Over the past years, the College has achieved an advanced level in the quality and quantity of research published in the Scopus database.

The College trains our students to become entrepreneurs able to lead organizations competing in the international marketplace by providing the latest knowledge and cutting-edge skills required in conceptual understanding, problem solving abilities and analytical thinking skills. We aim to convey the knowledge, attitudes and skills vital to succeed in today's globalized business landscape where the new global economy, knowledge and information are keys to success and to a lucrative future.

## OUR VISION

To be the college of choice in business and finance education in Bahrain and the region.

## OUR MISSION

To offer a transformative learning experience through educational provision in the arts and sciences, by promoting adaptability, resilience, and global citizenship.

## OUR GOALS

- **Impact** - Offer curricula, design programmes, teaching and research that develop highly employable and socially responsible students that are committed to lifelong learning.
- **Innovation** - offer innovative, relevant and up-to-date programmes to meet market needs.
- **Intellectuality** - make contributions to applied research by our diverse faculty and students.
- **Community Engagement** - Promote strong community engagement internally and externally, and foster relationships with various stakeholders including strategic partners in academia and industry. Build a network of students, faculty, staff, alumni and business practitioners as well as orchestrate entrepreneurial activities and public events of salient interest across the community.
- **Faculty Development** - Continually enhance faculty competency by empowering them to excel in teaching, research, and service.
- **Sustainability** - Sustain quality education and academic standards, that aligns with sustainable accreditation standards with and a focus on systematic quality reviews with peer institutions against UNSDGs and risk management frameworks.

## BACHELOR'S DEGREE IN ACCOUNTING AND FINANCE (BSAF)

### OVERVIEW

The Bachelor's Degree in Accounting and Finance (BSAF) programme has been designed to provide students with an undergraduate qualification, preparing them for a career in accountancy or finance. The aim of this programme is mainly to increase the employability skills of students and graduating trained professionals ready for the market. It offers in depth knowledge in both accounting and finance through different means such as lectures, projects, field trips, practical training, internships, case studies, industry speakers, seminars and various financial and accounting software.

The programme helps students to gain knowledge in the field of financial accounting, bookkeeping, auditing, managerial accounting, international accounting, taxation, sustainability and digital economy, financial management, investment and portfolio management and international finance.

## PROGRAMME FACTS

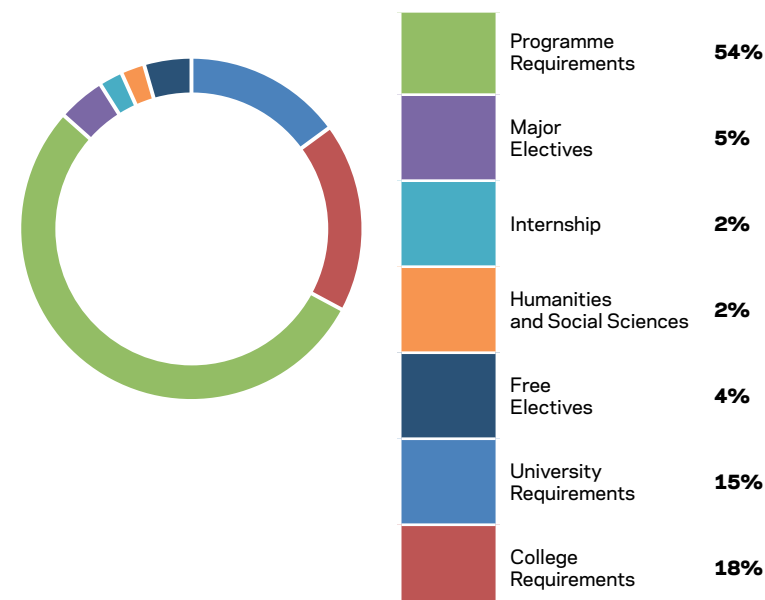
- The programme is of 4 years duration.
- The programme is taught in English Language.
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme has membership with AACSB Business Education Alliance.
- The programme achieved “Confidence” twice in (2022 & 2015) by the Education and Training Quality Authority.
- The programme is National Qualification Framework (NQF) placed in (2016) Reference Q16-001 Level 8.
- The programme is internationally recognized by The Chartered Institute of Management Accountants (CIMA) and Association of Chartered Certified Accountants (ACCA) with exemptions from 8 papers in CIMA and 9 papers in ACCA.
- The programme is aligned with United Nations Sustainable Development Goals.
- The programme offers a great opportunity for self-development through internship and existing international exchange programme.

## PROGRAMME AIMS

The aim of the programme is to:

- To equip students with in-depth knowledge and multi-perspectives on sustainable accounting and finance.
- To provide students with the competence to practically apply professional standards related to accounting and finance.
- To develop students' innovation and leadership potential through a variety of soft skills such as communication, teamwork, and global citizenship.
- To develop awareness and appreciation for social and ethical responsibilities at the societal and global levels.
- To equip students with creative and innovative skills to adapt lifelong learning and research.

| PROGRAMME COMPONENTS           |                     |                |
|--------------------------------|---------------------|----------------|
| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
| University Requirements        | 20                  | 7              |
| College Requirements           | 24                  | 8              |
| Programme Requirements         | 72                  | 24             |
| Major Electives                | 6                   | 2              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & It              | 3            |
| ENGL         | 102              | Academic English II                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                 | CREDIT HOURS |
|--------------|------------------|------------------------------|--------------|
| ECON         | 101              | Principles Of Microeconomics | 3            |
| MATH         | 103              | Mathematics I                | 3            |
| ACCT         | 101              | Accounting I                 | 3            |
| MAGT         | 121              | Fundamentals Of Management   | 3            |
| MATH         | 104              | Mathematics II               | 3            |
| ECON         | 102              | Principles Of Macroeconomics | 3            |
| ENGL         | 201              | Academic English III         | 3            |
| ENGL         | 202              | Academic English IV          | 3            |
| <b>TOTAL</b> | <b>8 COURSES</b> |                              | <b>24</b>    |

### PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                 | CREDIT HOURS |
|--------|------|----------------------------------------------|--------------|
| ITCS   | 121  | Computer Programming                         | 3            |
| ACCT   | 201  | Accounting II                                | 3            |
| ITMA   | 201  | Management Information Systems               | 3            |
| BANK   | 221  | Bank Management I                            | 3            |
| FINC   | 211  | Financial Management I                       | 3            |
| MAKT   | 201  | Principles Of Marketing                      | 3            |
| STAT   | 202  | Business Statistics                          | 3            |
| ACCT   | 301  | Managerial Accounting                        | 3            |
| ACCT   | 311  | Intermediate Accounting I                    | 3            |
| BANK   | 302  | Money & Banking                              | 3            |
| ECON   | 301  | Business Law                                 | 3            |
| FINC   | 312  | Financial Management II                      | 3            |
| ACCT   | 312  | Intermediate Accounting II                   | 3            |
| ACCT   | 320  | Intermediate Cost Accounting                 | 3            |
| ETHC   | 391  | Ethics And Professional Practice In Business | 3            |
| FINC   | 322  | International Finance                        | 3            |
| FINC   | 323  | Insurance & Reinsurance                      | 3            |
| ACCT   | 321  | Auditing                                     | 3            |
| BFRM   | 498  | Research Methods In Business & Finance       | 3            |
| FINC   | 421  | Investment                                   | 3            |
| ACCT   | 402  | Contemporary Issues In Accounting            | 3            |
| ACCT   | 403  | Advanced Accounting                          | 3            |
| FINC   | 431  | Portfolio Management                         | 3            |

|              |                   |                                  |           |
|--------------|-------------------|----------------------------------|-----------|
| <b>FINC</b>  | <b>499</b>        | Project In Accounting or Finance | 3         |
| <b>TOTAL</b> | <b>24 COURSES</b> |                                  | <b>72</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                                 | CREDIT HOURS |
|--------------|-------------------------------------|----------------------------------------------|--------------|
| ACCT         | 404                                 | International Accounting                     | 3            |
| ACCT         | 405                                 | Accounting Information Systems               | 3            |
| ACCT         | 411                                 | Taxation                                     | 3            |
| ACCT         | 422                                 | Advanced Audit And Assurance                 | 3            |
| ECON         | 421                                 | Monetary And Financial Systems               | 3            |
| FINC         | 327                                 | Personal Finance                             | 3            |
| FINC         | 328                                 | Real Estate Finance                          | 3            |
| FINC         | 411                                 | Contemporary Issues In Economics And Finance | 3            |
| FINC         | 427                                 | Derivative Securities                        | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                              | <b>6</b>     |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE    | CREDIT HOURS |
|--------------|-----------------|-----------------|--------------|
| INTR         | 465             | BSAF Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                 | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE                                | COURSE TITLE                                     | CREDIT HOURS |
|--------------|-------------------------------------|--------------------------------------------------|--------------|
| ANTH         | 101                                 | Introduction To Anthropology                     | 3            |
| ARAB         | 102                                 | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201                                 | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101                                 | Introduction To Chinese I                        | 3            |
| CULT         | 101                                 | Introduction To Culture                          | 3            |
| CULT         | 102                                 | Islamic Culture                                  | 3            |
| ENGL         | 215                                 | Readings In English Literature                   | 3            |
| ENGL         | 216                                 | Readings Literature II                           | 3            |
| ENGL         | 218                                 | Workplace Writing Skills                         | 3            |
| ENGL         | 221                                 | Introduction To Translation                      | 3            |
| FREN         | 101                                 | French I                                         | 3            |
| FREN         | 102                                 | French II                                        | 3            |
| GERM         | 101                                 | German Language & Culture I                      | 3            |
| GERM         | 102                                 | German Language & Culture II                     | 3            |
| HIST         | 101                                 | Modern History Of The Middle East & North Africa | 3            |
| IREL         | 101                                 | International Relations                          | 3            |
| KORN         | 101                                 | Introduction To Korean Language I                | 3            |
| KORN         | 102                                 | Introduction To Korean Language II               | 3            |
| LAW          | 101                                 | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101                                 | Introduction To Psychology                       | 3            |
| SOCI         | 101                                 | Sociology                                        | 3            |
| SOCI         | 102                                 | Sociology II                                     | 3            |
| SPAN         | 101                                 | Introduction To Spanish I                        | 3            |
| SPAN         | 102                                 | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> | <b>ANY ONE OF THE ABOVE COURSES</b> |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as **Free Electives**

**DETAILED STUDY PLAN (BSID)****FIRST YEAR (32 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|----------------|--------------------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER | ARAB               | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                | ECON               | 101  | Principles of Microeconomics                | 3   | 0   | 3   |                                                 |
|                | ENGL               | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                | ITCS               | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                | MATH               | 103  | Mathematics I                               | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | TOTAL PER SEMESTER |      |                                             | 15  |     |     |                                                 |

|                 | COURSE             | CODE | COURSE TITLE                 | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | ECON               | 102  | Principles of Macroeconomics | 3   | 0   | 3   |              |
|                 | ENGL               | 102  | Academic English II          | 3   | 0   | 3   | ENGL 101     |
|                 | HUMR               | 101  | Principles of Human Rights   | 2   | 0   | 2   |              |
|                 | ITCS               | 121  | Computer Programming         | 2   | 2   | 3   | ITCS 101     |
|                 | MAGT               | 121  | Fundamentals of Management   | 3   | 0   | 3   |              |
|                 | MATH               | 104  | Mathematics II               | 3   | 0   | 3   | MATH 103     |
|                 | TOTAL PER SEMESTER |      |                              | 17  |     |     |              |

**SECOND YEAR (36 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                      | LEC | LAB | CRE | PREREQUISITE                       |
|----------------|--------------------|------|-----------------------------------|-----|-----|-----|------------------------------------|
| FIRST SEMESTER | ACCT               | 101  | Accounting I                      | 3   | 0   | 3   |                                    |
|                | ECON               | 201  | Intermediate Microeconomic Theory | 3   | 0   | 3   | ECON 101                           |
|                | ENGL               | 201  | Academic English III              | 3   | 0   | 3   | ENGL 102                           |
|                | HIST               | 121  | Modern History of Bahrain         | 3   | 0   | 3   |                                    |
|                | ITMA               | 201  | Management Information Systems    | 3   | 0   | 3   | MAGT 121                           |
|                | STAT               | 101  | Introduction to Statistics        | 3   | 0   | 3   | MATH 053 or passing placement test |
|                | TOTAL PER SEMESTER |      |                                   | 18  |     |     |                                    |

|                 | COURSE             | CODE | COURSE TITLE                       | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | ACCT               | 201  | Accounting II                      | 3   | 0   | 3   | ACCT 101     |
|                 | ECON               | 202  | Intermediate Macroeconomics Theory | 3   | 0   | 3   | ECON 102     |
|                 | ENGL               | 202  | Academic English IV                | 3   | 0   | 3   | ENGL 201     |
|                 | FINC               | 211  | Financial Management I             | 3   | 0   | 3   | ACCT 101     |
|                 | HU/SS              | XXX  | Humanities/Social Sciences         | 3   | 0   | 3   |              |
|                 | MAKT               | 201  | Principles of Marketing            | 3   | 0   | 3   | MAGT 121     |
|                 | TOTAL PER SEMESTER |      |                                    | 18  |     |     |              |

**THIRD YEAR (36 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE            | LEC | LAB | CRE | PREREQUISITE                                 |
|----------------|--------------------|------|-------------------------|-----|-----|-----|----------------------------------------------|
| FIRST SEMESTER | BANK               | 302  | Money & Banking         | 3   | 0   | 3   | ECON 102                                     |
|                | ECON               | 301  | Business Law            | 3   | 0   | 3   | LAW 101 OR Completion of at least 66 credits |
|                | ECON               | 303  | International Economics | 3   | 0   | 3   | ECON 202                                     |
|                | FINC               | 312  | Financial Management II | 3   | 0   | 3   | FINC 211                                     |
|                | STAT               | 202  | Business Statistics     | 3   | 0   | 3   | STAT 101                                     |
|                | TOTAL PER SEMESTER |      |                         | 15  |     |     |                                              |

|                 | COURSE             | CODE | COURSE TITLE                                 | LEC | LAB | CRE | PREREQUISITE                      |
|-----------------|--------------------|------|----------------------------------------------|-----|-----|-----|-----------------------------------|
| SECOND SEMESTER | BANK               | 401  | Corporate Banking Law & Practice             | 3   | 0   | 3   | ECON 301 OR BANK 311              |
|                 | ECON               | 321  | Econometrics                                 | 3   | 0   | 3   | STAT 202 AND ECON 202             |
|                 | ETHC               | 391  | Ethics and Professional Practice in Business | 3   | 0   | 3   | Completion of at least 66 credits |
|                 | FINC               | 322  | International Finance                        | 3   | 0   | 3   | FINC 312                          |
|                 | FINC               | 323  | Insurance & Reinsurance                      | 3   | 0   | 3   | FINC 312                          |
|                 | XXXX               | XXX  | Major Elective                               | X   | X   | 3   |                                   |
|                 | TOTAL PER SEMESTER |      |                                              | 18  |     |     |                                   |

| SUMMER | COURSE             | CODE | COURSE TITLE    | LEC | LAB | CRE | PREREQUISITE                                            |
|--------|--------------------|------|-----------------|-----|-----|-----|---------------------------------------------------------|
|        | INTR               | 466  | BSEF Internship | 0   | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
|        | TOTAL PER SEMESTER |      |                 | 3   |     |     |                                                         |

**FOURTH YEAR (30 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                           | LEC | LAB | CRE | PREREQUISITE                                   |
|----------------|--------------------|------|----------------------------------------|-----|-----|-----|------------------------------------------------|
| FIRST SEMESTER | BFRM               | 498  | Research Methods in Business & Finance | 3   | 0   | 3   | STAT 202 AND Completion of at least 90 credits |
|                | ECON               | 410  | Industrial Organization                | 3   | 0   | 3   | ECON 201                                       |
|                | MAGT               | 310  | Quantitative Analysis for Business     | 3   | 0   | 3   | STAT 202                                       |
|                | XXXX               | XXX  | Major Elective                         | X   | X   | 3   |                                                |
|                | XXXX               | XXX  | Free Elective                          | X   | X   | 3   |                                                |
|                | TOTAL PER SEMESTER |      |                                        | 15  |     |     |                                                |

|                 | COURSE             | CODE | COURSE TITLE                    | LEC | LAB | CRE | PREREQUISITE          |
|-----------------|--------------------|------|---------------------------------|-----|-----|-----|-----------------------|
| SECOND SEMESTER | BANK               | 410  | Credit Analysis and Lending     | 2   | 2   | 3   | BANK 302              |
|                 | ECON               | 421  | Monetary and Financial Systems  | 3   | 0   | 3   | BANK 302              |
|                 | ECON/FINC          | 499  | Project in Economics or Finance | 0   | 6   | 3   | ETHC 391 AND BFRM 498 |
|                 | FINC               | 421  | Investment                      | 2   | 2   | 3   | FINC 312              |
|                 | XXXX               | XXX  | Free Elective                   | X   | X   | 3   |                       |
|                 | TOTAL PER SEMESTER |      |                                 | 15  |     |     |                       |

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                                 | LEC | LAB | CRE | PREREQUISITE                                   |
|--------|------|----------------------------------------------|-----|-----|-----|------------------------------------------------|
| ACCT   | 411  | Taxation                                     | 3   | 0   | 3   | ACCT 201                                       |
| ECON   | 310  | Islamic Economics                            | 3   | 0   | 3   | ECON 101 OR ECON 102 OR CULT 102               |
| ECON   | 322  | Labor Economics                              | 3   | 0   | 3   | ECON 201                                       |
| ECON   | 324  | Economic Development and Growth              | 3   | 0   | 3   | ECON 202                                       |
| ECON   | 420  | Public Finance                               | 3   | 0   | 3   | ECON 102 AND Completion of at least 90 credits |
| FINC   | 327  | Personal Finance                             | 3   | 0   | 3   | FINC 211                                       |
| FINC   | 328  | Real Estate Finance                          | 3   | 0   | 3   | FINC 211                                       |
| FINC   | 411  | Contemporary Issues in Economics and Finance | 2   | 2   | 3   | ECON 102 AND FINC 312                          |
| FINC   | 427  | Derivative Securities                        | 2   | 2   | 3   | FINC 312                                       |

## BACHELOR'S DEGREE IN BANKING AND FINANCE (BSBF)

### OVERVIEW

The Bachelor's Degree in Banking and Finance (BSBF) has been designed to enable students to gain quantitative skills and practical experience that would qualify them to work in the dynamic, growing, highly demanding, fast-changing financial services sector in the region and worldwide.

The programme offers in-depth knowledge in banking and finance through different means such as lectures, projects, field trips, simulations, internships, case studies, industry speakers, seminars, and various statistical software.

The programme helps students to gain knowledge in the field of banking management, digital banking, sustainability and digital economy, international banking, banking regulations and laws, taxation, public finance, risk management, financial management, investment, and portfolio management.



## PROGRAMME FACTS

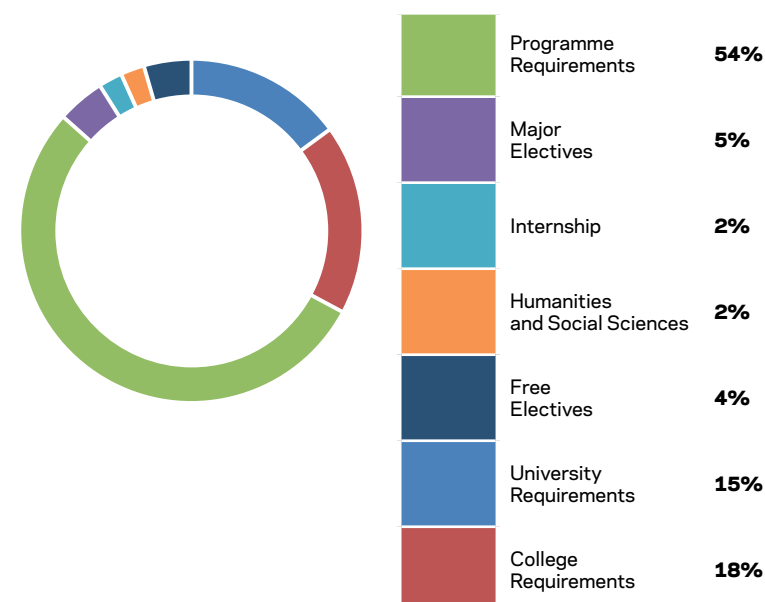
- The programme is of 4 years duration.
- The programme is taught in English Language.
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme has membership with AACSB Business Education Alliance.
- The programme achieved “Confidence” twice in (2022 & 2015) by The Education and Training Quality Authority.
- The programme is National Qualification Framework (NQF) placed in (2015) Reference Q15-010 Level 8.
- The programme is internationally recognized by The Chartered Institute of Management Accountants (CIMA) and Association of Chartered Certified Accountants (ACCA) with exemptions from 4 papers in CIMA and 5 papers in ACCA.
- The programme is aligned with United Nations Sustainable Development Goals.
- The programme offers a great opportunity for self-development through internship and existing international exchange programme.

## PROGRAMME AIMS

The aim of the programme is to:

- To equip students with in-depth knowledge and multi-perspectives on sustainable banking and finance.
- To provide students with competence to practically apply professional standards related to banking and finance.
- To develop students' innovation and leadership potential through a variety of soft skills such as communication, teamwork and global citizenship.
- To develop awareness and appreciation for social and ethical responsibilities at the societal and global level.
- To equip students with creative and innovative skills to adapt lifelong learning and research.

| PROGRAMME COMPONENTS           |                     |                |
|--------------------------------|---------------------|----------------|
| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
| University Requirements        | 20                  | 7              |
| College Requirements           | 24                  | 8              |
| Programme Requirements         | 72                  | 24             |
| Major Electives                | 6                   | 2              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & IT              | 3            |
| ENGL         | 102              | Academic English II                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                 | CREDIT HOURS |
|--------------|------------------|------------------------------|--------------|
| ECON         | 101              | Principles Of Microeconomics | 3            |
| MATH         | 103              | Mathematics I                | 3            |
| ACCT         | 101              | Accounting I                 | 3            |
| MAGT         | 121              | Fundamentals Of Management   | 3            |
| MATH         | 104              | Mathematics II               | 3            |
| ECON         | 102              | Principles Of Macroeconomics | 3            |
| ENGL         | 201              | Academic English III         | 3            |
| ENGL         | 202              | Academic English IV          | 3            |
| <b>TOTAL</b> | <b>8 COURSES</b> |                              | <b>24</b>    |

### PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                 | CREDIT HOURS |
|--------|------|----------------------------------------------|--------------|
| ITCS   | 121  | Computer Programming                         | 3            |
| FINC   | 211  | Financial Management I                       | 3            |
| ITMA   | 201  | Management Information Systems               | 3            |
| ACCT   | 201  | Accounting II                                | 3            |
| BANK   | 221  | Bank Management I                            | 3            |
| MAKT   | 201  | Principles Of Marketing                      | 3            |
| STAT   | 202  | Business Statistics                          | 3            |
| ACCT   | 311  | Intermediate Accounting I                    | 3            |
| BANK   | 302  | Money & Banking                              | 3            |
| BANK   | 311  | Bank Management II                           | 3            |
| ETHC   | 391  | Ethics And Professional Practice In Business | 3            |
| FINC   | 312  | Financial Management II                      | 3            |
| BANK   | 321  | International Banking                        | 3            |
| BANK   | 330  | Essentials Of Islamic Banking                | 3            |
| FINC   | 322  | International Finance                        | 3            |
| FINC   | 323  | Insurance & Reinsurance                      | 3            |
| MAKT   | 320  | Marketing Of Financial Services              | 3            |
| BANK   | 401  | Corporate Banking Law & Practice             | 3            |
| BANK   | 410  | Credit Analysis And Lending                  | 3            |
| BFRM   | 498  | Research Methods In Business & Finance       | 3            |
| FINC   | 421  | Investment                                   | 3            |
| FINC   | 430  | Risk Management                              | 3            |
| FINC   | 431  | Portfolio Management                         | 3            |

|                  |                   |                               |           |
|------------------|-------------------|-------------------------------|-----------|
| <b>BANK/FINC</b> | <b>499</b>        | Project In Banking or Finance | 3         |
| <b>TOTAL</b>     | <b>24 COURSES</b> |                               | <b>72</b> |

**MAJOR ELECTIVES**

| COURSE       | CODE                                | COURSE TITLE                                 | CREDIT HOURS |
|--------------|-------------------------------------|----------------------------------------------|--------------|
| ACCT         | 411                                 | Taxation                                     | 3            |
| BANK         | 331                                 | Islamic Commercial Law                       | 3            |
| ECON         | 420                                 | Public Finance                               | 3            |
| FINC         | 327                                 | Personal Finance                             | 3            |
| FINC         | 328                                 | Real Estate Finance                          | 3            |
| FINC         | 411                                 | Contemporary Issues In Economics And Finance | 3            |
| FINC         | 427                                 | Derivative Securities                        | 3            |
| FINC         | 432                                 | Islamic Capital Market & Instruments         | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                              | <b>6</b>     |

**INTERNSHIP**

| COURSE       | CODE            | COURSE TITLE    | CREDIT HOURS |
|--------------|-----------------|-----------------|--------------|
| INTR         | 467             | BSBF Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                 | <b>3</b>     |

**HUMANITIES AND SOCIAL SCIENCES**

| COURSE       | CODE                                | COURSE TITLE                                     | CREDIT HOURS |
|--------------|-------------------------------------|--------------------------------------------------|--------------|
| ANTH         | 101                                 | Introduction To Anthropology                     | 3            |
| ARAB         | 102                                 | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201                                 | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101                                 | Introduction To Chinese I                        | 3            |
| CULT         | 101                                 | Introduction To Culture                          | 3            |
| CULT         | 102                                 | Islamic Culture                                  | 3            |
| ENGL         | 215                                 | Readings In English Literature                   | 3            |
| ENGL         | 216                                 | Readings Literature II                           | 3            |
| ENGL         | 218                                 | Workplace Writing Skills                         | 3            |
| ENGL         | 221                                 | Introduction To Translation                      | 3            |
| FREN         | 101                                 | French I                                         | 3            |
| FREN         | 102                                 | French II                                        | 3            |
| GERM         | 101                                 | German Language & Culture I                      | 3            |
| GERM         | 102                                 | German Language & Culture II                     | 3            |
| HIST         | 101                                 | Modern History Of The Middle East & North Africa | 3            |
| IREL         | 101                                 | International Relations                          | 3            |
| KORN         | 101                                 | Introduction To Korean Language I                | 3            |
| KORN         | 102                                 | Introduction To Korean Language II               | 3            |
| LAW          | 101                                 | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101                                 | Introduction To Psychology                       | 3            |
| SOCI         | 101                                 | Sociology                                        | 3            |
| SOCI         | 102                                 | Sociology II                                     | 3            |
| SPAN         | 101                                 | Introduction To Spanish I                        | 3            |
| SPAN         | 102                                 | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> | <b>ANY ONE OF THE ABOVE COURSES</b> |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as **Free Electives**

**DETAILED STUDY PLAN (BSBF)****FIRST YEAR (32 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|----------------|--------------------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER | ARAB               | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                | ECON               | 101  | Principles of Microeconomics                | 3   | 0   | 3   |                                                 |
|                | ENGL               | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                | ITCS               | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                | MATH               | 103  | Mathematics I                               | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | TOTAL PER SEMESTER |      |                                             | 15  |     |     |                                                 |

|                    | COURSE | CODE | COURSE TITLE               | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|----------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER    | ACCT   | 101  | Accounting I               | 3   | 0   | 3   |              |
|                    | ENGL   | 102  | Academic English II        | 3   | 0   | 3   | ENGL 101     |
|                    | HUMR   | 101  | Principles of Human Rights | 2   | 0   | 2   |              |
|                    | ITCS   | 121  | Computer Programming       | 2   | 2   | 3   | ITCS 101     |
|                    | MAGT   | 121  | Fundamentals of Management | 3   | 0   | 3   |              |
|                    | MATH   | 104  | Mathematics II             | 3   | 0   | 3   | MATH 103     |
| TOTAL PER SEMESTER |        |      |                            | 17  |     |     |              |

**SECOND YEAR (36 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                      | LEC | LAB | CRE | PREREQUISITE                       |
|--------------------|--------|------|-----------------------------------|-----|-----|-----|------------------------------------|
| FIRST SEMESTER     | ACCT   | 101  | Accounting I                      | 3   | 0   | 3   |                                    |
|                    | ECON   | 201  | Intermediate Microeconomic Theory | 3   | 0   | 3   | ECON 101                           |
|                    | ENGL   | 201  | Academic English III              | 3   | 0   | 3   | ENGL 102                           |
|                    | HIST   | 121  | Modern History of Bahrain         | 3   | 0   | 3   |                                    |
|                    | ITMA   | 201  | Management Information Systems    | 3   | 0   | 3   | MAGT 121                           |
|                    | STAT   | 101  | Introduction to Statistics        | 3   | 0   | 3   | MATH 053 or passing placement test |
| TOTAL PER SEMESTER |        |      |                                   | 18  |     |     |                                    |

|                    | COURSE | CODE | COURSE TITLE                       | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER    | ACCT   | 201  | Accounting II                      | 3   | 0   | 3   | ACCT 101     |
|                    | ECON   | 202  | Intermediate Macroeconomics Theory | 3   | 0   | 3   | ECON 102     |
|                    | ENGL   | 202  | Academic English IV                | 3   | 0   | 3   | ENGL 201     |
|                    | FINC   | 211  | Financial Management I             | 3   | 0   | 3   | ACCT 101     |
|                    | HU/SS  | XXX  | Humanities/Social Sciences         | 3   | 0   | 3   |              |
|                    | MAKT   | 201  | Principles of Marketing            | 3   | 0   | 3   | MAGT 121     |
| TOTAL PER SEMESTER |        |      |                                    | 18  |     |     |              |

**THIRD YEAR (36 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE            | LEC | LAB | CRE | PREREQUISITE                                 |
|----------------|--------------------|------|-------------------------|-----|-----|-----|----------------------------------------------|
| FIRST SEMESTER | BANK               | 302  | Money & Banking         | 3   | 0   | 3   | ECON 102                                     |
|                | ECON               | 301  | Business Law            | 3   | 0   | 3   | LAW 101 OR Completion of at least 66 credits |
|                | ECON               | 303  | International Economics | 3   | 0   | 3   | ECON 202                                     |
|                | FINC               | 312  | Financial Management II | 3   | 0   | 3   | FINC 211                                     |
|                | STAT               | 202  | Business Statistics     | 3   | 0   | 3   | STAT 101                                     |
|                | TOTAL PER SEMESTER |      |                         | 15  |     |     |                                              |

|                    | COURSE | CODE | COURSE TITLE                                 | LEC | LAB | CRE | PREREQUISITE                      |
|--------------------|--------|------|----------------------------------------------|-----|-----|-----|-----------------------------------|
| SECOND SEMESTER    | BANK   | 401  | Corporate Banking Law & Practice             | 3   | 0   | 3   | ECON 301 OR BANK 311              |
|                    | ECON   | 321  | Econometrics                                 | 3   | 0   | 3   | STAT 202 AND ECON 202             |
|                    | ETHC   | 391  | Ethics and Professional Practice in Business | 3   | 0   | 3   | Completion of at least 66 credits |
|                    | FINC   | 322  | International Finance                        | 3   | 0   | 3   | FINC 312                          |
|                    | FINC   | 323  | Insurance & Reinsurance                      | 3   | 0   | 3   | FINC 312                          |
|                    | XXXX   | XXX  | Major Elective                               | X   | X   | 3   |                                   |
| TOTAL PER SEMESTER |        |      |                                              | 18  |     |     |                                   |

| SUMMER             | COURSE | CODE | COURSE TITLE    | LEC | LAB | CRE | PREREQUISITE                                            |
|--------------------|--------|------|-----------------|-----|-----|-----|---------------------------------------------------------|
|                    | INTR   | 466  | BSEF Internship | 0   | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
| TOTAL PER SEMESTER |        |      |                 | 3   |     |     |                                                         |

**FOURTH YEAR (30 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                           | LEC | LAB | CRE | PREREQUISITE                                   |
|----------------|--------------------|------|----------------------------------------|-----|-----|-----|------------------------------------------------|
| FIRST SEMESTER | BFRM               | 498  | Research Methods in Business & Finance | 3   | 0   | 3   | STAT 202 AND Completion of at least 90 credits |
|                | ECON               | 410  | Industrial Organization                | 3   | 0   | 3   | ECON 201                                       |
|                | MAGT               | 310  | Quantitative Analysis for Business     | 3   | 0   | 3   | STAT 202                                       |
|                | XXXX               | XXX  | Major Elective                         | X   | X   | 3   |                                                |
|                | XXXX               | XXX  | Free Elective                          | X   | X   | 3   |                                                |
|                | TOTAL PER SEMESTER |      |                                        | 15  |     |     |                                                |

|                 | COURSE             | CODE | COURSE TITLE                    | LEC | LAB | CRE | PREREQUISITE          |
|-----------------|--------------------|------|---------------------------------|-----|-----|-----|-----------------------|
| SECOND SEMESTER | BANK               | 410  | Credit Analysis and Lending     | 2   | 2   | 3   | BANK 302              |
|                 | ECON               | 421  | Monetary and Financial Systems  | 3   | 0   | 3   | BANK 302              |
|                 | ECON/FINC          | 499  | Project in Economics or Finance | 0   | 6   | 3   | ETHC 391 AND BFRM 498 |
|                 | FINC               | 421  | Investment                      | 2   | 2   | 3   | FINC 312              |
|                 | XXXX               | XXX  | Free Elective                   | X   | X   | 3   |                       |
|                 | TOTAL PER SEMESTER |      |                                 | 15  |     |     |                       |

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                                 | LEC | LAB | CRE | PREREQUISITE                                   |
|--------|------|----------------------------------------------|-----|-----|-----|------------------------------------------------|
| ACCT   | 411  | Taxation                                     | 3   | 0   | 3   | ACCT 201                                       |
| BANK   | 331  | Islamic Commercial Law                       | 3   | 0   | 3   |                                                |
| ECON   | 420  | Public Finance                               | 3   | 0   | 3   | ECON 102 AND Completion of at least 90 credits |
| FINC   | 327  | Personal Finance                             | 3   | 0   | 3   | FINC 211                                       |
| FINC   | 328  | Real Estate Finance                          | 3   | 0   | 3   | FINC 211                                       |
| FINC   | 411  | Contemporary Issues in Economics and Finance | 2   | 2   | 3   | ECON 102 AND FINC 312                          |
| FINC   | 427  | Derivative Securities                        | 2   | 2   | 3   | FINC 312                                       |
| FINC   | 432  | Islamic Capital Market & Instruments         | 3   | 0   | 3   | BANK 330                                       |

## BACHELOR'S DEGREE IN ECONOMICS AND FINANCE (BSEF)

### OVERVIEW

The Bachelor's Degree in Economics and Finance (BSEF) programme has been developed to enable students to gain economic reasoning, quantitative skills and practical experience that would qualify them to become business leaders in today's market.

The programme offers in-depth knowledge in economics and finance through different means such as lectures, projects, field trips, simulations, internships, case studies, industry speakers, seminars, and various statistical software.

The programme helps students to gain knowledge in the field of microeconomics and macroeconomics theories and practices, econometrics, industrial and international economics, sustainability and digital economy, taxation, public finance, financial management, investment and portfolio management, and international finance. In addition, graduates obtain entrepreneurial skills and knowledge, whereby they are encouraged to start up their own businesses.

## PROGRAMME FACTS

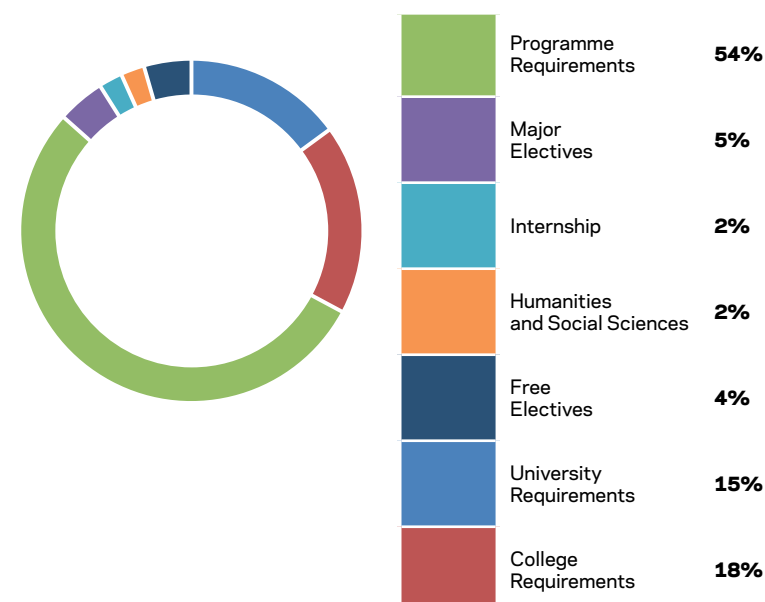
- The programme is of 4 years duration.
- The programme is taught in English Language.
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme has membership with AACSB Business Education Alliance.
- The programme achieved “Confidence” twice in (2022 and 2015) by The Education and Training Quality Authority.
- The programme is National Qualification Framework (NQF) placed in (2016) Reference Q16-002 Level 8.
- The programme is internationally recognized by The Chartered Institute of Management Accountants (CIMA) and Association of Chartered Certified Accountants (ACCA) with exemptions from 8 papers in CIMA and 5 papers in ACCA.
- The programme is aligned with United Nations Sustainable Development Goals.
- The programme offers a great opportunity for self-development through internship and existing international exchange programme.

## PROGRAMME AIMS

The aim of the programme is to:

- To equip students with in-depth knowledge and multi-perspectives on sustainable economics and finance.
- To provide students with competence to practically apply professional standards related to economics and finance.
- To develop students' innovation and leadership potential through a variety of soft skills such as communication, teamwork and global citizenship
- To develop awareness and appreciation for social and ethical responsibilities at the societal and global level.
- To equip students with creative and innovative skills to adapt lifelong learning and research.

| PROGRAMME COMPONENTS           |                     |                |
|--------------------------------|---------------------|----------------|
| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
| University Requirements        | 20                  | 7              |
| College Requirements           | 24                  | 8              |
| Programme Requirements         | 72                  | 24             |
| Major Electives                | 6                   | 2              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & IT              | 3            |
| ENGL         | 102              | Academic English II                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                 | CREDIT HOURS |
|--------------|------------------|------------------------------|--------------|
| ECON         | 101              | Principles Of Microeconomics | 3            |
| MATH         | 103              | Mathematics I                | 3            |
| ACCT         | 101              | Accounting I                 | 3            |
| MAGT         | 121              | Fundamentals Of Management   | 3            |
| MATH         | 104              | Mathematics II               | 3            |
| ECON         | 102              | Principles Of Macroeconomics | 3            |
| ENGL         | 201              | Academic English III         | 3            |
| ENGL         | 202              | Academic English IV          | 3            |
| <b>TOTAL</b> | <b>8 COURSES</b> |                              | <b>24</b>    |

### PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                 | CREDIT HOURS |
|--------|------|----------------------------------------------|--------------|
| ITCS   | 121  | Computer Programming                         | 3            |
| ECON   | 201  | Intermediate Microeconomic Theory            | 3            |
| ITMA   | 201  | Management Information Systems               | 3            |
| ACCT   | 201  | Accounting II                                | 3            |
| ECON   | 202  | Intermediate Macroeconomics Theory           | 3            |
| FINC   | 211  | Financial Management I                       | 3            |
| MAKT   | 201  | Principles Of Marketing                      | 3            |
| BANK   | 302  | Money & Banking                              | 3            |
| ECON   | 301  | Business Law                                 | 3            |
| ECON   | 303  | International Economics                      | 3            |
| FINC   | 312  | Financial Management II                      | 3            |
| STAT   | 202  | Business Statistics                          | 3            |
| BANK   | 401  | Corporate Banking Law & Practice             | 3            |
| ECON   | 321  | Econometrics                                 | 3            |
| ETHC   | 391  | Ethics And Professional Practice In Business | 3            |
| FINC   | 322  | International Finance                        | 3            |
| FINC   | 323  | Insurance & Reinsurance                      | 3            |
| BFRM   | 498  | Research Methods In Business & Finance       | 3            |
| ECON   | 410  | Industrial Organization                      | 3            |
| MAGT   | 310  | Quantitative Analysis For Business           | 3            |
| BANK   | 410  | Credit Analysis And Lending                  | 3            |
| ECON   | 421  | Monetary And Financial Systems               | 3            |
| FINC   | 421  | Investment                                   | 3            |

|              |                   |                                 |           |
|--------------|-------------------|---------------------------------|-----------|
| ECON/FINC    | 499               | Project In Economics Or Finance | 3         |
| <b>TOTAL</b> | <b>24 COURSES</b> |                                 | <b>72</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                                 | CREDIT HOURS |
|--------------|-------------------------------------|----------------------------------------------|--------------|
| ACCT         | 411                                 | Taxation                                     | 3            |
| ECON         | 310                                 | Islamic Economics                            | 3            |
| ECON         | 322                                 | Labor Economics                              | 3            |
| ECON         | 324                                 | Economic Development And Growth              | 3            |
| ECON         | 420                                 | Public Finance                               | 3            |
| FINC         | 327                                 | Personal Finance                             | 3            |
| FINC         | 328                                 | Real Estate Finance                          | 3            |
| FINC         | 411                                 | Contemporary Issues In Economics And Finance | 3            |
| FINC         | 427                                 | Derivative Securities                        | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                              | <b>6</b>     |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE    | CREDIT HOURS |
|--------------|-----------------|-----------------|--------------|
| INTR         | 466             | BSEF Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                 | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE                                | COURSE TITLE                                     | CREDIT HOURS |
|--------------|-------------------------------------|--------------------------------------------------|--------------|
| ANTH         | 101                                 | Introduction To Anthropology                     | 3            |
| ARAB         | 102                                 | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201                                 | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101                                 | Introduction To Chinese I                        | 3            |
| CULT         | 101                                 | Introduction To Culture                          | 3            |
| CULT         | 102                                 | Islamic Culture                                  | 3            |
| ENGL         | 215                                 | Readings In English Literature                   | 3            |
| ENGL         | 216                                 | Readings Literature II                           | 3            |
| ENGL         | 218                                 | Workplace Writing Skills                         | 3            |
| ENGL         | 221                                 | Introduction To Translation                      | 3            |
| FREN         | 101                                 | French I                                         | 3            |
| FREN         | 102                                 | French II                                        | 3            |
| GERM         | 101                                 | German Language & Culture I                      | 3            |
| GERM         | 102                                 | German Language & Culture II                     | 3            |
| HIST         | 101                                 | Modern History Of The Middle East & North Africa | 3            |
| IREL         | 101                                 | International Relations                          | 3            |
| KORN         | 101                                 | Introduction To Korean Language I                | 3            |
| KORN         | 102                                 | Introduction To Korean Language II               | 3            |
| LAW          | 101                                 | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101                                 | Introduction To Psychology                       | 3            |
| SOCI         | 101                                 | Sociology                                        | 3            |
| SOCI         | 102                                 | Sociology II                                     | 3            |
| SPAN         | 101                                 | Introduction To Spanish I                        | 3            |
| SPAN         | 102                                 | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> | <b>ANY ONE OF THE ABOVE COURSES</b> |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as **Free Electives**



**DETAILED STUDY PLAN (BSBF)****FIRST YEAR (32 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|--------------------|--------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER     | ARAB   | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                    | ECON   | 101  | Principles of Microeconomics                | 3   | 0   | 3   |                                                 |
|                    | ENGL   | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                    | ITCS   | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                    | MATH   | 103  | Mathematics I                               | 3   | 0   | 3   | MATH 053 or passing placement test              |
| TOTAL PER SEMESTER |        |      |                                             | 15  |     |     |                                                 |

|                    | COURSE | CODE | COURSE TITLE                 | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER    | ECON   | 102  | Principles of Macroeconomics | 3   | 0   | 3   |              |
|                    | ENGL   | 102  | Academic English II          | 3   | 0   | 3   | ENGL 101     |
|                    | HUMR   | 101  | Principles of Human Rights   | 2   | 0   | 2   |              |
|                    | ITCS   | 121  | Computer Programming         | 2   | 2   | 3   | ITCS 101     |
|                    | MAGT   | 121  | Fundamentals of Management   | 3   | 0   | 3   |              |
|                    | MATH   | 104  | Mathematics II               | 3   | 0   | 3   | MATH 103     |
| TOTAL PER SEMESTER |        |      |                              | 17  |     |     |              |

**SECOND YEAR (36 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                   | LEC | LAB | CRE | PREREQUISITE                       |
|--------------------|--------|------|--------------------------------|-----|-----|-----|------------------------------------|
| FIRST SEMESTER     | ECON   | 102  | Principles of Macroeconomics   | 3   | 0   | 3   |                                    |
|                    | ENGL   | 201  | Academic English III           | 3   | 0   | 3   | ENGL 102                           |
|                    | FINC   | 211  | Financial Management I         | 3   | 0   | 3   | ACCT 101                           |
|                    | HIST   | 121  | Modern History of Bahrain      | 3   | 0   | 3   |                                    |
|                    | ITMA   | 201  | Management Information Systems | 3   | 0   | 3   | MAGT 121                           |
|                    | STAT   | 101  | Introduction to Statistics     | 3   | 0   | 3   | MATH 053 or passing placement test |
| TOTAL PER SEMESTER |        |      |                                | 18  |     |     |                                    |

|                    | COURSE | CODE | COURSE TITLE               | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|----------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER    | ACCT   | 201  | Accounting II              | 3   | 0   | 3   | ACCT 101     |
|                    | BANK   | 221  | Bank Management I          | 3   | 0   | 3   | ECON 102     |
|                    | ENGL   | 202  | Academic English IV        | 3   | 0   | 3   | ENGL 201     |
|                    | HU/SS  | XXX  | Humanities/Social Sciences | 3   | 0   | 3   |              |
|                    | MAKT   | 201  | Principles of Marketing    | 3   | 0   | 3   | MAGT 121     |
|                    | STAT   | 202  | Business Statistics        | 3   | 0   | 3   | STAT 101     |
| TOTAL PER SEMESTER |        |      |                            | 18  |     |     |              |

**THIRD YEAR (36 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                                 | LEC | LAB | CRE | PREREQUISITE                      |
|--------------------|--------|------|----------------------------------------------|-----|-----|-----|-----------------------------------|
| FIRST SEMESTER     | ACCT   | 311  | Intermediate Accounting I                    | 3   | 0   | 3   | ACCT 201                          |
|                    | BANK   | 302  | Money & Banking                              | 3   | 0   | 3   | ECON 102                          |
|                    | BANK   | 311  | Bank Management II                           | 3   | 0   | 3   | BANK 221                          |
|                    | ETHC   | 391  | Ethics and Professional Practice in Business | 3   | 0   | 3   | Completion of at least 66 credits |
|                    | FINC   | 312  | Financial Management II                      | 3   | 0   | 3   | FINC 211                          |
| TOTAL PER SEMESTER |        |      |                                              | 15  |     |     |                                   |

|                    | COURSE | CODE | COURSE TITLE                    | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|---------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER    | BANK   | 321  | International Banking           | 3   | 0   | 3   | BANK 221     |
|                    | BANK   | 330  | Essentials of Islamic Banking   | 3   | 0   | 3   | BANK 221     |
|                    | FINC   | 322  | International Finance           | 3   | 0   | 3   | FINC 312     |
|                    | FINC   | 323  | Insurance & Reinsurance         | 3   | 0   | 3   | FINC 312     |
|                    | MAKT   | 320  | Marketing of Financial Services | 3   | 0   | 3   | MAKT 201     |
|                    | XXXX   | XXX  | Major Elective                  | X   | X   | 3   |              |
| TOTAL PER SEMESTER |        |      |                                 | 18  |     |     |              |

| SUMMER             | COURSE | CODE | COURSE TITLE    | LEC | LAB | CRE | PREREQUISITE                                            |
|--------------------|--------|------|-----------------|-----|-----|-----|---------------------------------------------------------|
|                    | INTR   | 467  | BSBF Internship | 0   | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
| TOTAL PER SEMESTER |        |      |                 | 3   |     |     |                                                         |

**FOURTH YEAR (30 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                           | LEC | LAB | CRE | PREREQUISITE                                   |
|--------------------|--------|------|----------------------------------------|-----|-----|-----|------------------------------------------------|
| FIRST SEMESTER     | BANK   | 401  | Corporate Banking Law & Practice       | 3   | 0   | 3   | ECON 301 OR BANK 311                           |
|                    | BANK   | 410  | Credit Analysis and Lending            | 2   | 2   | 3   | BANK 302                                       |
|                    | BFRM   | 498  | Research Methods in Business & Finance | 3   | 0   | 3   | STAT 202 AND Completion of at least 90 credits |
|                    | FINC   | 421  | Investment                             | 2   | 2   | 3   | FINC 312                                       |
|                    | XXXX   | XXX  | Free Elective                          | X   | X   | 3   |                                                |
| TOTAL PER SEMESTER |        |      |                                        | 15  |     |     |                                                |

|                    | COURSE    | CODE | COURSE TITLE                  | LEC | LAB | CRE | PREREQUISITE          |
|--------------------|-----------|------|-------------------------------|-----|-----|-----|-----------------------|
| SECOND SEMESTER    | BANK/FINC | 499  | Project in Banking or Finance | 0   | 6   | 3   | ETHC 391 AND BFRM 498 |
|                    | FINC      | 430  | Risk Management               | 2   | 2   | 3   | BANK 410              |
|                    | FINC      | 431  | Portfolio Management          | 3   | 0   | 3   | FINC 421              |
|                    | XXXX      | XXX  | Major Elective                | X   | X   | 3   |                       |
|                    | XXXX      | XXX  | Free Elective                 | X   | X   | 3   |                       |
| TOTAL PER SEMESTER |           |      |                               | 15  |     |     |                       |

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                                 | LEC | LAB | CRE | PREREQUISITE                                   |
|--------|------|----------------------------------------------|-----|-----|-----|------------------------------------------------|
| ACCT   | 411  | Taxation                                     | 3   | 0   | 3   | ACCT 201                                       |
| ECON   | 310  | Islamic Economics                            | 3   | 0   | 3   | ECON 101 OR ECON 102 OR CULT 102               |
| ECON   | 322  | Labor Economics                              | 3   | 0   | 3   | ECON 201                                       |
| ECON   | 324  | Economic Development and Growth              | 3   | 0   | 3   | ECON 202                                       |
| ECON   | 420  | Public Finance                               | 3   | 0   | 3   | ECON 102 AND Completion of at least 90 credits |
| FINC   | 327  | Personal Finance                             | 3   | 0   | 3   | FINC 211                                       |
| FINC   | 328  | Real Estate Finance                          | 3   | 0   | 3   | FINC 211                                       |
| FINC   | 411  | Contemporary Issues in Economics and Finance | 2   | 2   | 3   | ECON 102 AND FINC 312                          |
| FINC   | 427  | Derivative Securities                        | 2   | 2   | 3   | FINC 312                                       |

## BACHELOR'S DEGREE IN MANAGEMENT AND MARKETING (BSMM)

### OVERVIEW

Management and marketing are two important business disciplines that focus on the planning and application of strategies and techniques. These disciplines are important with regard to the utilization of organizational resources. Professionals in these fields are able to manage their enterprises more efficiently and effectively by identifying and fulfilling clients' needs and wants.

The programme aims to provide students with sufficient knowledge to enable them to pursue a career in management and marketing and/or advanced further study. The programme seeks to provide students with the analytical skills necessary to apply their knowledge in organizations in which they are employed to acquaint them with changing techniques and practices in the professional world, to develop their competence in marketing strategies formulation and to enhance their communication skills.

## PROGRAMME FACTS

- The programme is of 4 years duration.
- The programme is taught in English Language.
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme has membership with AACSB Business Education Alliance.
- The programme achieved “Confidence” three times in (2022, 2015 & 2009) by The Education and Training Quality Authority.
- The programme is National Qualification Framework (NQF) placed in (2016) Reference Q16-012 Level 8.
- The programme is internationally recognized by The Chartered Institute of Management Accountants (CIMA) and The Chartered Institute of Marketing (CIM) with exemptions from 6 papers in CIMA and 2 modules in CIM.
- The programme is aligned with United Nations Sustainable Development Goals.
- The programme offers a great opportunity for self-development through internship and existing international exchange programme.

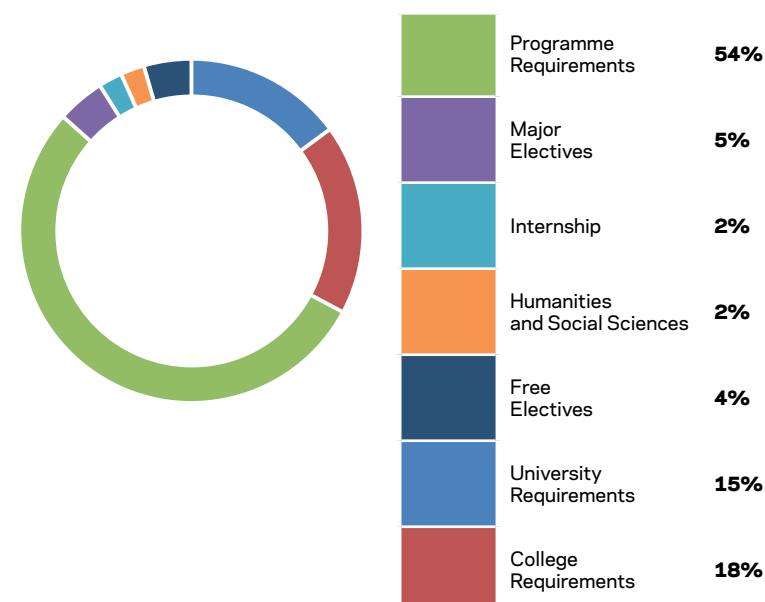
## PROGRAMME AIMS

The aim of the programme is to:

- To produce graduates who are able to identify trends, problems and conduct research in the field of management and marketing.
- Appreciate professional responsibilities of management and marketing tasks.
- Have analytical skills, creative skills and ability to apply management and marketing concepts.
- Have skills in reflective practice, and life-long learning, and can therefore respond to the dynamic nature of the profession and the changing management and marketing needs of the community.
- Have the knowledge and expertise to meet the demands of current and future employment by working in a multidisciplinary environment.
- Possess and practice soft skills such as communication skills, teamwork skills, leadership skills and organizational development skills.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 24                  | 8              |
| Programme Requirements         | 72                  | 24             |
| Major Electives                | 6                   | 2              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & IT              | 3            |
| ENGL         | 102              | Academic English II                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                 | CREDIT HOURS |
|--------------|------------------|------------------------------|--------------|
| ECON         | 101              | Principles Of Microeconomics | 3            |
| MATH         | 103              | Mathematics I                | 3            |
| ACCT         | 101              | Accounting I                 | 3            |
| MAGT         | 121              | Fundamentals Of Management   | 3            |
| MATH         | 104              | Mathematics II               | 3            |
| ECON         | 102              | Principles Of Macroeconomics | 3            |
| ENGL         | 201              | Academic English III         | 3            |
| ENGL         | 202              | Academic English IV          | 3            |
| <b>TOTAL</b> | <b>8 COURSES</b> |                              | <b>24</b>    |

### PROGRAMME REQUIREMENTS

| COURSE    | CODE     | COURSE TITLE                                         | CREDIT HOURS |
|-----------|----------|------------------------------------------------------|--------------|
| ITCS      | 121      | Computer Programming                                 | 3            |
| ACCT      | 201      | Accounting II                                        | 3            |
| FINC      | 211      | Financial Management I                               | 3            |
| ITMA      | 201      | Management Information Systems                       | 3            |
| MAKT      | 201      | Principles of Marketing                              | 3            |
| STAT      | 202      | Business Statistics                                  | 3            |
| MAKT      | 310      | Consumer Behaviour                                   | 3            |
| ACCT      | 301      | Managerial Accounting                                | 3            |
| MAGT      | 322      | Production & Operations Management                   | 3            |
| MAGT      | 323      | Human Resource Management                            | 3            |
| ECON      | 301      | Business Law                                         | 3            |
| MAGT      | 310      | Quantitative Analysis For Business                   | 3            |
| MAGT      | 324      | Organizational Behavior & Leadership Development     | 3            |
| ETHC      | 391      | Ethics And Professional Practice In Business         | 3            |
| MAKT      | 322      | Sales Management                                     | 3            |
| ITMA      | 401      | E-Commerce                                           | 3            |
| MAGT/MAKT | 412      | International Business/International Marketing       | 3            |
| MAGT/MAKT | 416      | Project Management/ Service Marketing                | 3            |
| BFRM      | 498      | Research Methods In Business & Finance               | 3            |
| MAKT      | 423      | Digital And Social Media Marketing                   | 3            |
| MAGT/MAKT | 425 /423 | Strategic Management/ Strategic Marketing Management | 3            |
| MAGT      | 424      | Entrepreneurship & Innovation                        | 3            |
| MAGT      | 414      | Quality Management                                   | 3            |

|              |                   |                                     |           |
|--------------|-------------------|-------------------------------------|-----------|
| MAGT/MAKT    | 499               | Project In Management And Marketing | 3         |
| <b>TOTAL</b> | <b>24 COURSES</b> |                                     | <b>72</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                               | CREDIT HOURS |
|--------------|-------------------------------------|--------------------------------------------|--------------|
| ITMA         | 304                                 | Business Data Analytics                    | 3            |
| MAGT         | 325                                 | Strategic Leadership And Change Management | 3            |
| MAGT         | 331                                 | Business Simulation                        | 3            |
| MAGT         | 430                                 | Supply Chain Management                    | 3            |
| MAKT         | 320                                 | Marketing Of Financial Services            | 3            |
| MAKT         | 321                                 | Marketing Research                         | 3            |
| MAKT         | 331                                 | Industrial Marketing                       | 3            |
| MAKT         | 332                                 | Advertising & Promotions Management        | 3            |
| MAKT         | 431                                 | Customer Relationship Management           | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                            | <b>6</b>     |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE    | CREDIT HOURS |
|--------------|-----------------|-----------------|--------------|
| INTR         | 469             | BSMM Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                 | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE                                | COURSE TITLE                                     | CREDIT HOURS |
|--------------|-------------------------------------|--------------------------------------------------|--------------|
| ANTH         | 101                                 | Introduction To Anthropology                     | 3            |
| ARAB         | 102                                 | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201                                 | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101                                 | Introduction To Chinese I                        | 3            |
| CULT         | 101                                 | Introduction To Culture                          | 3            |
| CULT         | 102                                 | Islamic Culture                                  | 3            |
| ENGL         | 215                                 | Readings In English Literature                   | 3            |
| ENGL         | 216                                 | Readings Literature II                           | 3            |
| ENGL         | 218                                 | Workplace Writing Skills                         | 3            |
| ENGL         | 221                                 | Introduction To Translation                      | 3            |
| FREN         | 101                                 | French I                                         | 3            |
| FREN         | 102                                 | French II                                        | 3            |
| GERM         | 101                                 | German Language & Culture I                      | 3            |
| GERM         | 102                                 | German Language & Culture II                     | 3            |
| HIST         | 101                                 | Modern History Of The Middle East & North Africa | 3            |
| IREL         | 101                                 | International Relations                          | 3            |
| KORN         | 101                                 | Introduction To Korean Language I                | 3            |
| KORN         | 102                                 | Introduction To Korean Language II               | 3            |
| LAW          | 101                                 | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101                                 | Introduction To Psychology                       | 3            |
| SOCI         | 101                                 | Sociology                                        | 3            |
| SOCI         | 102                                 | Sociology II                                     | 3            |
| SPAN         | 101                                 | Introduction To Spanish I                        | 3            |
| SPAN         | 102                                 | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> | <b>ANY ONE OF THE ABOVE COURSES</b> |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as **Free Electives**

**DETAILED STUDY PLAN (BSMM)****FIRST YEAR (32 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|--------------------|--------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER     | ARAB   | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                    | ECON   | 101  | Principles of Microeconomics                | 3   | 0   | 3   |                                                 |
|                    | ENGL   | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                    | ITCS   | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                    | MATH   | 103  | Mathematics I                               | 3   | 0   | 3   | MATH 053 or passing placement test              |
| TOTAL PER SEMESTER |        |      |                                             | 15  |     |     |                                                 |

|                    | COURSE | CODE | COURSE TITLE               | LEC | LAB | CRE | PREREQUISITE                       |
|--------------------|--------|------|----------------------------|-----|-----|-----|------------------------------------|
| SECOND SEMESTER    | ACCT   | 101  | Accounting I               | 3   | 0   | 3   |                                    |
|                    | ENGL   | 102  | Academic English II        | 3   | 0   | 3   | ENGL 101                           |
|                    | ITCS   | 121  | Computer Programming       | 2   | 2   | 3   | ITCS 101                           |
|                    | STAT   | 101  | Introduction to Statistics | 3   | 0   | 3   | MATH 053 or passing placement test |
|                    | MATH   | 104  | Mathematics II             | 3   | 0   | 3   | MATH 103                           |
|                    | HUMR   | 101  | Principles of Human Rights | 2   | 0   | 2   |                                    |
| TOTAL PER SEMESTER |        |      |                            | 17  |     |     |                                    |

**SECOND YEAR (36 CREDITS)**

|                 | COURSE             | CODE | COURSE TITLE                 | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|------------------------------|-----|-----|-----|--------------|
| FIRST SEMESTER  | ACCT               | 201  | Accounting II                | 3   | 0   | 3   | ACCT 101     |
|                 | ECON               | 102  | Principles of Macroeconomics | 3   | 0   | 3   |              |
|                 | ENGL               | 201  | Academic English III         | 3   | 0   | 3   | ENGL 102     |
|                 | HIST               | 121  | Modern History of Bahrain    | 3   | 0   | 3   |              |
|                 | HU/SS              | XXX  | Humanities/Social Sciences   | 3   | 0   | 3   |              |
| SECOND SEMESTER | MAGT               | 121  | Fundamentals of Management   | 3   | 0   | 3   |              |
|                 | TOTAL PER SEMESTER |      |                              |     | 18  |     |              |

|                 | COURSE             | CODE | COURSE TITLE                   | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|--------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | ENGL               | 202  | Academic English IV            | 3   | 0   | 3   | ENGL 201     |
|                 | FINC               | 211  | Financial Management I         | 3   | 0   | 3   | ACCT 101     |
|                 | XXXX               | XXX  | Free Elective I                | X   | X   | 3   |              |
|                 | ITMA               | 201  | Management Information Systems | 3   | 0   | 3   | MAGT 121     |
|                 | MAKT               | 201  | Principles of Marketing        | 3   | 0   | 3   | MAGT 121     |
|                 | STAT               | 202  | Business Statistics            | 3   | 0   | 3   | STAT 101     |
|                 | TOTAL PER SEMESTER |      |                                |     | 18  |     |              |

**THIRD YEAR (36 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                       | LEC | LAB | CRE | PREREQUISITE          |
|--------------------|--------|------|------------------------------------|-----|-----|-----|-----------------------|
| FIRST SEMESTER     | MAKT   | 310  | Consumer Behaviour                 | 3   | 0   | 3   | MAKT 201              |
|                    | ACCT   | 301  | Managerial Accounting              | 3   | 0   | 3   | ACCT 201              |
|                    | MAGT   | 322  | Production & Operations Management | 3   | 0   | 3   | ITCS 101 AND STAT 101 |
|                    | MAGT   | 323  | Human Resource Management          | 3   | 0   | 3   | MAGT 121              |
|                    | XXXX   | XXX  | Free Elective II                   | X   | X   | 3   |                       |
| TOTAL PER SEMESTER |        |      |                                    | 15  |     |     |                       |

|                    | COURSE | CODE | COURSE TITLE                                     | LEC | LAB | CRE | PREREQUISITE                                 |
|--------------------|--------|------|--------------------------------------------------|-----|-----|-----|----------------------------------------------|
| SECOND SEMESTER    | ECON   | 301  | Business Law                                     | 3   | 0   | 3   | LAW 101 OR Completion of at least 66 credits |
|                    | MAGT   | 310  | Quantitative Analysis for Business               | 3   | 0   | 3   | STAT 202                                     |
|                    | MAGT   | 324  | Organizational Behavior & Leadership Development | 3   | 0   | 3   | MAGT 323                                     |
|                    | ETHC   | 391  | Ethics and Professional Practice in Business     | 3   | 0   | 3   | Completion of at least 66 credits            |
|                    | XXXX   | XXX  | Major Elective I                                 | 3   | 0   | 3   |                                              |
|                    | MAKT   | 322  | Sales Management                                 | 3   | 0   | 3   | MAKT 201                                     |
| TOTAL PER SEMESTER |        |      |                                                  | 18  |     |     |                                              |

| SUMMER             | COURSE | CODE | COURSE TITLE    | LEC | LAB | CRE | PREREQUISITE                                            |
|--------------------|--------|------|-----------------|-----|-----|-----|---------------------------------------------------------|
|                    | INTR   | 469  | BSMM Internship | 0   | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
| TOTAL PER SEMESTER |        |      |                 | 3   |     |     |                                                         |

**FOURTH YEAR (30 CREDITS)**

|                    | COURSE     | CODE | COURSE TITLE                                   | LEC | LAB | CRE | PREREQUISITE                                               |
|--------------------|------------|------|------------------------------------------------|-----|-----|-----|------------------------------------------------------------|
| FIRST SEMESTER     | ITMA       | 401  | E-Commerce                                     | 3   | 0   | 3   | ITCS 101                                                   |
|                    | MAGT/MAKT* | 412  | International Business/International Marketing | 3   | 0   | 3   | ECON 102 OR MAKT 201 AND Completion of at least 90 credits |
|                    | MAGT/MAKT* | 416  | Project Management/Service Marketing           | 3   | 0   | 3   | MAGT 322 OR MAKT 310                                       |
|                    | BFRM       | 498  | Research Methods in Business & Finance         | 3   | 0   | 3   | STAT 202 AND Completion of at least 90 credits             |
|                    | MAKT       | 423  | Digital and Social Media Marketing             | 3   | 0   | 3   | MAKT 201                                                   |
| TOTAL PER SEMESTER |            |      |                                                | 15  |     |     |                                                            |

|                    | COURSE     | CODE    | COURSE TITLE                                        | LEC | LAB | CRE | PREREQUISITE                                               |
|--------------------|------------|---------|-----------------------------------------------------|-----|-----|-----|------------------------------------------------------------|
| SECOND SEMESTER    | MAGT/MAKT* | 425/423 | Strategic Management/Strategic Marketing Management | 3   | 0   | 3   | MAGT 121 OR MAKT 201 AND Completion of at least 90 credits |
|                    | MAGT       | 424     | Entrepreneurship & Innovation                       | 3   | 0   | 3   | MAKT 201 AND Completion of at least 90 credits             |
|                    | MAGT       | 414     | Quality Management                                  | 3   | 0   | 3   | STAT 202                                                   |
|                    | MAGT/MAKT* | 499     | Project In Management and Marketing                 | 0   | 6   | 3   | ETHC 391 AND BFRM 498                                      |
|                    | XXXX       | XXX     | Major Elective II                                   | 3   | 0   | 3   |                                                            |
| TOTAL PER SEMESTER |            |         |                                                     | 15  |     |     |                                                            |

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                               | LEC | LAB | CRE | PREREQUISITE                                   |
|--------|------|--------------------------------------------|-----|-----|-----|------------------------------------------------|
| ITMA   | 304  | Business Data Analytics                    | 3   | 0   | 3   | STAT 202                                       |
| MAGT   | 325  | Strategic Leadership and Change Management | 3   | 0   | 3   | MAGT 324                                       |
| MAGT   | 331  | Business Simulation                        | 3   | 0   | 3   | STAT 202                                       |
| MAGT   | 430  | Supply Chain Management                    | 3   | 0   | 3   | MAGT 322                                       |
| MAKT   | 320  | Marketing of Financial Services            | 3   | 0   | 3   | MAKT 201                                       |
| MAKT   | 321  | Marketing Research                         | 3   | 0   | 3   | STAT 202                                       |
| MAKT   | 331  | Industrial Marketing                       | 3   | 0   | 3   | MAKT 201                                       |
| MAKT   | 332  | Advertising & Promotions Management        | 3   | 0   | 3   | MAKT 201                                       |
| MAKT   | 431  | Customer Relationship Management           | 3   | 0   | 3   | MAKT 310 AND Completion of at least 66 credits |

## BACHELOR'S DEGREE IN MANAGEMENT INFORMATION SYSTEMS (BSMIS)

### OVERVIEW

This programme integrates information systems with a managerial perspective to equip graduates with the subject knowledge and ethical standards required for project management at any level of an organization.

BSMIS students gain knowledge of the methods of collecting and transmitting data so strategic business decision making can use business data, IT and management methodologies in order to support organizational operations.

Graduates from the BSMIS will be able to make smarter decisions by staying informed with the latest market movements in relation to transaction processing systems, decision support systems, expert systems, executive information systems or enterprise resource planning systems, etc.

The past few years have seen a tremendous need for MIS skills and graduates are in high demand. There is an increasing requirement for high level technology-proficient graduates because web based communication and database technologies are essential as organizations expand.

MIS professionals have to be “tech savvy” and they also need to have people skills. This is the key aspect of our programme: to provide the business analysis skills that make an MIS professional more than just a programmer.

A business/system analyst, or a consultant, is now a critical IT pillar for problem solving in today's organisations. Such an analyst is the critical point of connection between the business user and the problem solution.

## PROGRAMME FACTS

- The programme is of 4 years duration
- The programme is taught in English Language
- The programme consists of 134 credit hours covering 45 courses
- The programme is accredited by Higher Education Council.
- The programme has membership with AACSB Business Education Alliance.
- The programme achieved “Confidence” in (2022 & 2015) by The Education and Training Quality Authority.
- The programme is National Qualification Framework (NQF) placed in (2016) Reference Q16-012 Level 8.
- The programme is internationally recognized by The Chartered Institute of Management Accountants (CIMA) with exemptions from 6 papers in CIMA.
- The programme is aligned with United Nations Sustainable Development Goals.
- The programme offers a great opportunity for self-development through internship and existing international exchange programme.

## PROGRAMME AIMS

The programme aims to prepare graduates for meeting the informational challenges of the 21st Century enterprise in the information age.

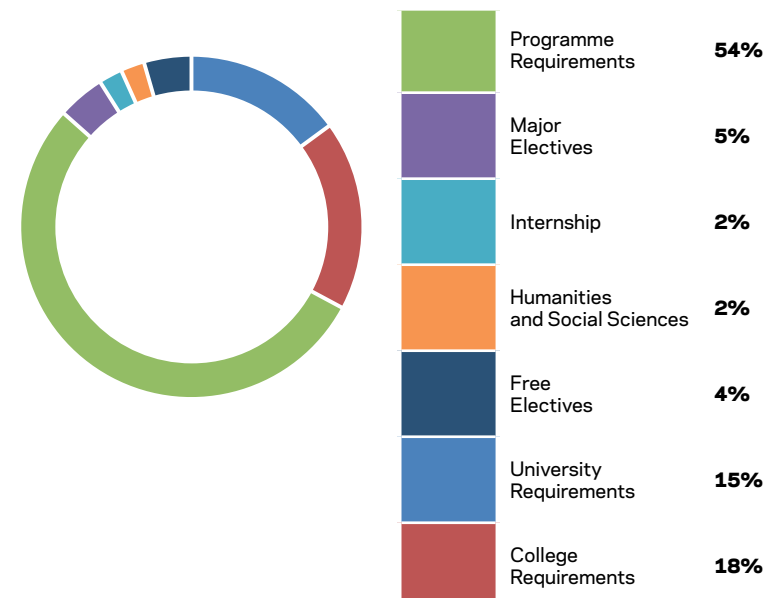
The programme focuses on providing students with the required knowledge and skills in the areas of business information and information technology that prepares students to pursue a career in business in general and business information systems in particular.

The programme provides the student with the necessary analytical skills which will make them a competent employee in any type of organisation. The programme core skills include system analysis & design, E-commerce, managing enterprise systems, knowledge management, data base management systems, and computer systems.

Additionally, other soft skills are also obtainable in this programme including communication skills, presentation skills and teamwork skills.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 24                  | 8              |
| Programme Requirements         | 72                  | 24             |
| Major Electives                | 6                   | 2              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |





## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & IT              | 3            |
| ENGL         | 102              | Academic English II                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                 | CREDIT HOURS |
|--------------|------------------|------------------------------|--------------|
| ACCT         | 101              | Accounting I                 | 3            |
| ECON         | 101              | Principles Of Microeconomics | 3            |
| ECON         | 102              | Principles Of Macroeconomics | 3            |
| ENGL         | 201              | Academic English Iii         | 3            |
| ENGL         | 202              | Academic English IV          | 3            |
| MAGT         | 121              | Fundamentals Of Management   | 3            |
| MATH         | 103              | Mathematics I                | 3            |
| MATH         | 104              | Mathematics II               | 3            |
| <b>TOTAL</b> | <b>8 COURSES</b> |                              | <b>24</b>    |

### PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                     | CREDIT HOURS |
|--------|------|--------------------------------------------------|--------------|
| ACCT   | 201  | Accounting II                                    | 3            |
| ITCS   | 122  | INTRODUCTION TO PROGRAMMING TECHNIQUES           | 3            |
| ITCS   | 201  | Object-Oriented Programming I                    | 3            |
| ITCS   | 214  | Computer Systems                                 | 3            |
| ITMA   | 201  | Management Information Systems                   | 3            |
| FINC   | 211  | Financial Management I                           | 3            |
| ITMS   | 205  | Internet Applications And Services               | 3            |
| ITCS   | 222  | Visual Programming                               | 3            |
| ECTE   | 201  | Data Networks                                    | 3            |
| ITCS   | 305  | Internet Services & Securities                   | 3            |
| ITCS   | 323  | Database Systems: Design And Application         | 3            |
| ITMS   | 325  | Web Applications Design                          | 3            |
| STAT   | 202  | Business Statistics                              | 3            |
| ITMA   | 326  | Business Cloud Computing                         | 3            |
| ETHC   | 391  | Ethics And Professional Practice In Business     | 3            |
| MAKT   | 201  | Principles Of Marketing                          | 3            |
| ITMA   | 304  | Business Data Analytics                          | 3            |
| BFRM   | 498  | Research Methods In Business & Finance           | 3            |
| ITMA   | 411  | System Analysis & Design                         | 3            |
| ITMA   | 416  | Strategic Information Systems Project Management | 3            |
| ITMA   | 401  | E-Commerce                                       | 3            |
| ITMA   | 412  | Managing Enterprise Systems                      | 3            |
| ITMA   | 423  | Information Systems Auditing                     | 3            |

|              |                   |                 |           |
|--------------|-------------------|-----------------|-----------|
| ITMA         | 499               | Project in ITMA | 3         |
| <b>TOTAL</b> | <b>24 COURSES</b> |                 | <b>72</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                                     | CREDIT HOURS |
|--------------|-------------------------------------|--------------------------------------------------|--------------|
| ITMA         | 310                                 | Entrepreneurship And Digital Innovation          | 3            |
| ITMA         | 321                                 | E-System Technologies                            | 3            |
| ITMA         | 323                                 | Management Information Systems Ii                | 3            |
| ITMA         | 330                                 | Knowledge Management                             | 3            |
| ITMA         | 414                                 | Business Intelligence                            | 3            |
| ITMA         | 418                                 | Artificial Intelligence Applications In Business | 3            |
| ITMA         | 427                                 | E-Government Concepts And Implementation         | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                                  | <b>6</b>     |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE     | CREDIT HOURS |
|--------------|-----------------|------------------|--------------|
| INTR         | 468             | BSMIS Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                  | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE                                | COURSE TITLE                                     | CREDIT HOURS |
|--------------|-------------------------------------|--------------------------------------------------|--------------|
| ANTH         | 101                                 | Introduction To Anthropology                     | 3            |
| ARAB         | 102                                 | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201                                 | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101                                 | Introduction To Chinese I                        | 3            |
| CULT         | 101                                 | Introduction To Culture                          | 3            |
| CULT         | 102                                 | Islamic Culture                                  | 3            |
| ENGL         | 215                                 | Readings In English Literature                   | 3            |
| ENGL         | 216                                 | Readings Literature II                           | 3            |
| ENGL         | 218                                 | Workplace Writing Skills                         | 3            |
| ENGL         | 221                                 | Introduction To Translation                      | 3            |
| FREN         | 101                                 | French I                                         | 3            |
| FREN         | 102                                 | French II                                        | 3            |
| GERM         | 101                                 | German Language & Culture I                      | 3            |
| GERM         | 102                                 | German Language & Culture II                     | 3            |
| HIST         | 101                                 | Modern History Of The Middle East & North Africa | 3            |
| IREL         | 101                                 | International Relations                          | 3            |
| KORN         | 101                                 | Introduction To Korean Language I                | 3            |
| KORN         | 102                                 | Introduction To Korean Language II               | 3            |
| LAW          | 101                                 | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101                                 | Introduction To Psychology                       | 3            |
| SOCI         | 101                                 | Sociology                                        | 3            |
| SOCI         | 102                                 | Sociology Ii                                     | 3            |
| SPAN         | 101                                 | Introduction To Spanish I                        | 3            |
| SPAN         | 102                                 | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> | <b>ANY ONE OF THE ABOVE COURSES</b> |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as **Free Electives**

**DETAILED STUDY PLAN (BSMIS)****FIRST YEAR (32 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|----------------|--------------------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER | ARAB               | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                | ENGL               | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                | ITCS               | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                | MATH               | 103  | Mathematics I                               | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | STAT               | 101  | Introduction to Statistics                  | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | TOTAL PER SEMESTER |      |                                             | 15  |     |     |                                                 |

|                    | COURSE | CODE | COURSE TITLE                           | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|----------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER    | ACCT   | 101  | Accounting I                           | 3   | 0   | 3   |              |
|                    | ENGL   | 102  | Academic English II                    | 3   | 0   | 3   | ENGL 101     |
|                    | ITCS   | 122  | Introduction to Programming Techniques | 2   | 2   | 3   | ITCS 101     |
|                    | MAGT   | 121  | Fundamentals of Management             | 3   | 0   | 3   |              |
|                    | MATH   | 104  | Mathematics II                         | 3   | 0   | 3   | MATH 103     |
|                    | HUMR   | 101  | Principles of Human Rights             | 2   | 0   | 2   |              |
| TOTAL PER SEMESTER |        |      |                                        | 17  |     |     |              |

**SECOND YEAR (36 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                   | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|--------------------------------|-----|-----|-----|--------------|
| FIRST SEMESTER     | ACCT   | 201  | Accounting II                  | 3   | 0   | 3   | ACCT 101     |
|                    | ECON   | 101  | Principles of Microeconomics   | 3   | 0   | 3   |              |
|                    | ENGL   | 201  | Academic English III           | 3   | 0   | 3   | ENGL 102     |
|                    | ITCS   | 201  | Object-Oriented Programming I  | 2   | 2   | 3   | ITCS 122     |
|                    | ITCS   | 214  | Computer Systems               | 3   | 0   | 3   | ITCS 101     |
|                    | ITMA   | 201  | Management Information Systems | 3   | 0   | 3   | MAGT 121     |
| TOTAL PER SEMESTER |        |      |                                | 18  |     |     |              |

|                    | COURSE | CODE | COURSE TITLE                       | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER    | ECON   | 102  | Principles of Macroeconomics       | 3   | 0   | 3   |              |
|                    | ENGL   | 202  | Academic English IV                | 3   | 0   | 3   | ENGL 201     |
|                    | FINC   | 211  | Financial Management I             | 3   | 0   | 3   | ACCT 101     |
|                    | HIST   | 121  | Modern History of Bahrain          | 3   | 0   | 3   |              |
|                    | ITMS   | 205  | Internet Applications and Services | 2   | 2   | 3   | ITCS 101     |
|                    | ITCS   | 222  | Visual Programming                 | 2   | 2   | 3   | ITCS 122     |
| TOTAL PER SEMESTER |        |      |                                    | 18  |     |     |              |

**THIRD YEAR (36 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                             | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|------------------------------------------|-----|-----|-----|--------------|
| FIRST SEMESTER     | ECTE   | 201  | Data Networks                            | 2   | 2   | 3   | ITCS 101     |
|                    | ITCS   | 305  | Internet Services & Securities           | 3   | 0   | 3   | ITMS 205     |
|                    | ITCS   | 323  | Database Systems: Design and Application | 2   | 2   | 3   | ITCS 222     |
|                    | ITMS   | 325  | Web Applications Design                  | 2   | 2   | 3   | ITMS 205     |
|                    | STAT   | 202  | Business Statistics                      | 3   | 0   | 3   | STAT 101     |
|                    | XXXX   | XXX  | Free Elective I                          | X   | X   | 3   |              |
| TOTAL PER SEMESTER |        |      |                                          | 18  |     |     |              |

|                 | COURSE             | CODE | COURSE TITLE                                 | LEC | LAB | CRE | PREREQUISITE                      |
|-----------------|--------------------|------|----------------------------------------------|-----|-----|-----|-----------------------------------|
| SECOND SEMESTER | ITMA               | 326  | Business Cloud Computing                     | 3   | 0   | 3   | ECTE 201 AND ITMS 325             |
|                 | ETHC               | 391  | Ethics and Professional Practice in Business | 3   | 0   | 3   | Completion of at least 66 credits |
|                 | MAKT               | 201  | Principles of Marketing                      | 3   | 0   | 3   | MAGT 121                          |
|                 | ITMA               | 304  | Business Data Analytics                      | 3   | 0   | 3   | STAT 202                          |
|                 | ITMA               | XXX  | Major Elective I                             | X   | X   | 3   |                                   |
|                 | TOTAL PER SEMESTER |      |                                              | 15  |     |     |                                   |

| SUMMER             | COURSE | CODE | COURSE TITLE     | LEC | LAB | CRE | PREREQUISITE                                            |
|--------------------|--------|------|------------------|-----|-----|-----|---------------------------------------------------------|
|                    | INTR   | 468  | BSMIS Internship | 0   | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
| TOTAL PER SEMESTER |        |      |                  | 3   |     |     |                                                         |

**FOURTH YEAR (30 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                     | LEC | LAB | CRE | PREREQUISITE                                   |
|----------------|--------------------|------|--------------------------------------------------|-----|-----|-----|------------------------------------------------|
| FIRST SEMESTER | BFRM               | 498  | Research Methods in Business & Finance           | 3   | 0   | 3   | STAT 202 AND Completion of at least 90 credits |
|                | HU/SS              | XXX  | Humanities/Social Sciences                       | 3   | 0   | 3   |                                                |
|                | ITMA               | 411  | System Analysis & Design                         | 3   | 0   | 3   | ITCS 323                                       |
|                | ITMA               | 416  | Strategic Information Systems Project Management | 3   | 0   | 3   | MAGT 121 AND ETHC 391                          |
|                | XXXX               | XXX  | Free Elective II                                 | X   | X   | 3   |                                                |
|                | TOTAL PER SEMESTER |      |                                                  | 15  |     |     |                                                |

|                 | COURSE             | CODE | COURSE TITLE                 | LEC | LAB | CRE | PREREQUISITE          |
|-----------------|--------------------|------|------------------------------|-----|-----|-----|-----------------------|
| SECOND SEMESTER | ITMA               | 401  | E-Commerce                   | 3   | 0   | 3   | ITCS 101              |
|                 | ITMA               | 412  | Managing Enterprise Systems  | 3   | 0   | 3   | ITCS 323              |
|                 | ITMA               | 423  | Information Systems Auditing | 3   | 0   | 3   | ITMA 416 AND ITMS 205 |
|                 | ITMA               | 499  | Project in ITMA              | 0   | 6   | 3   | BFRM 498 AND ETHC 391 |
|                 | ITMA               | XXX  | Major Elective II            | X   | X   | 3   |                       |
|                 | TOTAL PER SEMESTER |      |                              | 15  |     |     |                       |

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                                     | LEC | LAB | CRE | PREREQUISITE          |
|--------|------|--------------------------------------------------|-----|-----|-----|-----------------------|
| ITMA   | 310  | Entrepreneurship and Digital Innovation          | 3   | 0   | 3   | MAGT 121 AND ITMA 201 |
| ITMA   | 321  | E-System Technologies                            | 3   | 0   | 3   | ITCS 214              |
| ITMA   | 323  | Management Information Systems II                | 3   | 0   | 3   | ITMA 201              |
| ITMA   | 330  | Knowledge Management                             | 3   | 0   | 3   | ITMA 201              |
| ITMA   | 414  | Business Intelligence                            | 3   | 0   | 3   | ITMA 304              |
| ITMA   | 418  | Artificial Intelligence Applications in Business | 3   | 0   | 3   | ITMA 304              |
| ITMA   | 427  | e-Government Concepts and Implementation         | 3   | 0   | 3   | ITMA 201 AND ITMS 325 |

## MASTER'S DEGREE IN BUSINESS ADMINISTRATION (MBA)

### OVERVIEW

Ahlia University has offered its MBA programme since 2003/2002 and has developed it to match curricula offered by leading business schools with a view to further enhance the attractiveness of its sought after graduates for executive and leadership positions in the Arabian Gulf region, and beyond.

Ahlia's MBA programme is known for its high quality curriculum and the distinctive learning experience it offers. The curriculum has been specifically designed to be aligned with the current and future economic trends, labour market needs and to extend the students' breadth and depth of knowledge.

The curriculum exposes the students to a broad range of creative thinking experience and expertise. The delivered courses, mainly tailored around business problems, help nurture global leadership skills through an engaging course content seeking its inputs from the industry and a high-impact learning experience that gives the students the opportunity to practice what they have learnt.

## PROGRAMME FACTS

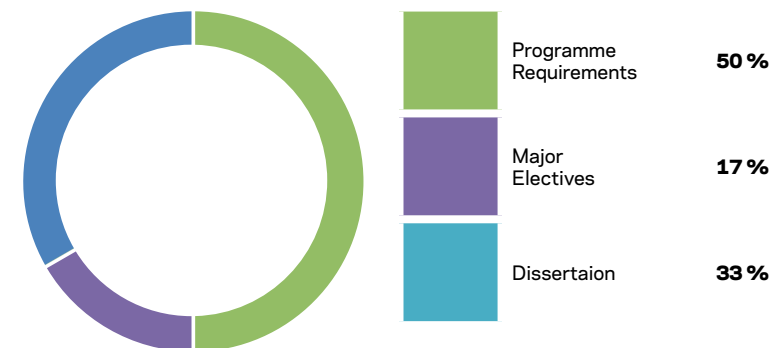
- The programme is of 2 years duration.
- The programme is taught in English Language.
- The programme consists of 36 credit hours covering 8 courses along with a dissertation.
- The programme is accredited by Higher Education Council.
- The programme has membership with AACSB Business Education Alliance.
- The programme achieved "Confidence" twice in (2012 and 2015) by The Education and Training Quality Authority.
- The programme is National Qualification Framework (NQF) placed in (2019) Reference Q19-028 Level 9.
- The programme is internationally recognized by The Chartered Institute of Management Accountants (CIMA) with exemptions in 9 papers.
- The programme is aligned with United Nations Sustainable Development Goals.

## PROGRAMME AIMS

The aim of the MBA programme is:

- To equip students with the opportunity to develop analytical skills and technical expertise in business administration.
- To provide students with a framework to critically understand key functional areas of Management in a real-world setting.
- To provide students with competence in applying a range of tools, skills, approaches techniques of relevance to a wide variety of operational settings.
- To develop student's leadership potential through a variety of soft skills such as effective communication, teamwork, global and sustainable thinking as well as change management.
- To provide students with the opportunity to develop lifelong learning skills, autonomy and professional leadership, including research and sensitivity to ethical issues and social responsibility to contribute to businesses and society at large.
- To develop students' management acumen and foster a genuinely entrepreneurial approach to management.

| PROGRAMME COMPONENTS              |                     |                |
|-----------------------------------|---------------------|----------------|
| COURSE TYPE                       | NO. OF CREDIT-HOURS | NO. OF COURSES |
| FOUNDATION COURSES (If required)* | 9*                  | 3*             |
| PROGRAMME REQUIREMENTS            | 18                  | 6              |
| MAJOR ELECTIVES                   | 6                   | 2              |
| DISSERTATION                      | 12                  | 1              |
| <b>TOTAL</b>                      | <b>36</b>           | <b>9</b>       |



## LIST OF COURSES

### FOUNDATION COURSES\* (IF REQUIRED)

| COURSE       | CODE             | COURSE TITLE         | CREDIT HOURS |
|--------------|------------------|----------------------|--------------|
| ACCT         | 510              | Financial Accounting | 3            |
| FINC         | 510              | Managerial Finance   | 3            |
| STAT         | 510              | Business Statistics  | 3            |
| <b>TOTAL</b> | <b>3 COURSES</b> |                      | <b>9</b>     |

- Not counted towards the 36 credits hours necessary for the Master's Degree in Business Administration.

### PROGRAMME REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE          | CREDIT HOURS |
|--------------|------------------|-----------------------|--------------|
| ACCT         | 522              | Managerial Accounting | 3            |
| MAKT         | 519              | Marketing Management  | 3            |
| ECON         | 520              | Managerial Economics  | 3            |
| MAGT         | 558              | Research Methodology  | 3            |
| MAGT         | 561              | Strategic Management  | 3            |
| FINC         | 501              | Financial Management  | 3            |
| <b>TOTAL</b> | <b>6 COURSES</b> |                       | <b>18</b>    |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                                        | CREDIT HOURS |
|--------------|-------------------------------------|-----------------------------------------------------|--------------|
| ACCT         | 521                                 | Financial Reporting & Control                       | 3            |
| BANK         | 541                                 | Islamic Banking                                     | 3            |
| ECON         | 537                                 | International Business & Multinational Corporations | 3            |
| FINC         | 506                                 | International Finance                               | 3            |
| ITMA         | 570                                 | Management Information Systems                      | 3            |
| MAGT         | 551                                 | Operations & Quality Management                     | 3            |
| MAGT         | 552                                 | Decision Analysis & Business Forecasting            | 3            |
| MAGT         | 560                                 | Human Resource Management                           | 3            |
| MAGT         | 564                                 | Leadership In Organizations                         | 3            |
| MAGT         | 567                                 | Entrepreneurship & Family Business Management       | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                                     | <b>6</b>     |

### DISSERTATION

| COURSE       | CODE              | COURSE TITLE     | CREDIT HOURS |
|--------------|-------------------|------------------|--------------|
| DMBA         | 599               | MBA Dissertation | 12           |
| <b>TOTAL</b> | <b>ONE COURSE</b> |                  | <b>12</b>    |

**DETAILED STUDY PLAN (MSMCPR)****FOUNDATION COURSES (PRE MBA NON CREDIT COURSES\*) (9 CREDITS)**

|  | COURSE                    | CODE | COURSE TITLE         | LEC      | LAB | CRE | PREREQUISITE |
|--|---------------------------|------|----------------------|----------|-----|-----|--------------|
|  | ACCT                      | 510  | Financial Accounting | 3        | 0   | 3   |              |
|  | FINC                      | 510  | Managerial Finance   | 3        | 0   | 3   |              |
|  | STAT                      | 510  | Business Statistics  | 3        | 0   | 3   |              |
|  | <b>TOTAL PER SEMESTER</b> |      |                      | <b>9</b> |     |     |              |

\* Not counted towards the 36 credits necessary for the MBA degree.

**FIRST YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE          | LEC      | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|-----------------------|----------|-----|-----|--------------|
|                | ACCT                      | 522  | Managerial Accounting | 3        | 0   | 3   |              |
|                | MAKT                      | 519  | Marketing Management  | 3        | 0   | 3   |              |
|                | ECON                      | 520  | Managerial Economics  | 3        | 0   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |                       | <b>9</b> |     |     |              |

| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE         | LEC      | LAB | CRE | PREREQUISITE                     |
|-----------------|---------------------------|------|----------------------|----------|-----|-----|----------------------------------|
|                 | MAGT                      | 558  | Research Methodology | 2        | 2   | 3   | Completion of at least 9 credits |
|                 | MAGT                      | 561  | Strategic Management | 3        | 0   | 3   |                                  |
|                 | FINC                      | 501  | Financial Management | 3        | 0   | 3   |                                  |
|                 | <b>TOTAL PER SEMESTER</b> |      |                      | <b>9</b> |     |     |                                  |

**SECOND YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE  | LEC      | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|---------------|----------|-----|-----|--------------|
|                | XXXX                      | XXX  | Elective I**  | 3        | 0   | 3   |              |
|                | XXXX                      | XXX  | Elective II** | 3        | 0   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |               | <b>6</b> |     |     |              |

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE         | LEC       | LAB | CRE | PREREQUISITE                                   |
|----------------|---------------------------|------|----------------------|-----------|-----|-----|------------------------------------------------|
|                | DMBA                      | 599  | MBA Dissertation *** | 0         | 24  | 12  | MAGT 558 AND Completion of at least 21 credits |
|                | <b>TOTAL PER SEMESTER</b> |      |                      | <b>12</b> |     |     |                                                |

**LIST OF MAJOR ELECTIVE COURSES**

| COURSE | CODE | COURSE TITLE                                        | LEC | LAB | CRE | PREREQUISITE |
|--------|------|-----------------------------------------------------|-----|-----|-----|--------------|
| ACCT   | 521  | Financial Reporting & Control                       | 3   | 0   | 3   |              |
| BANK   | 541  | Islamic Banking                                     | 3   | 0   | 3   |              |
| ECON   | 537  | International Business & Multinational Corporations | 3   | 0   | 3   |              |
| FINC   | 506  | International Finance                               | 3   | 0   | 3   |              |
| ITMA   | 570  | Management Information Systems                      | 3   | 0   | 3   |              |
| MAGT   | 551  | Operations & Quality Management                     | 3   | 0   | 3   |              |
| MAGT   | 552  | Decision Analysis & Business Forecasting            | 3   | 0   | 3   |              |
| MAGT   | 560  | Human Resource Management                           | 3   | 0   | 3   |              |
| MAGT   | 564  | Leadership in Organizations                         | 3   | 0   | 3   |              |
| MAGT   | 567  | Entrepreneurship & Family Business Management       | 3   | 0   | 3   |              |

\*\* MBA candidates are to choose 2 major elective courses from the above list.

\*\*\* MBA candidates can register in the dissertation course (DMBA 599) if the following conditions are satisfied:

1. Completed successfully at least 21 credit hours including MAGT 558 - Research Methodology
2. Received a grade of B or more in MAGT 558
3. Attained a CGPA of at least 3.0

## MASTER OF SCIENCE IN FINANCIAL TECHNOLOGY (MSFT)

### OVERVIEW

Ahlia University has offered its Financial Technology programme and has developed it to match curricula offered by leading business schools with a view to future enhance the attractiveness of its sought-after graduates for executive and leadership positions in financial technology, blockchain and cryptocurrencies technologies, big data analytics, cybersecurity & RegTech.

### PROGRAMME FACTS

- The programme is of 2 years duration.
- The programme is taught in English Language.
- The programme consists of 36 credit hours covering 8 courses along with a dissertation.
- The programme is accredited by Higher Education Council.
- The programme has membership with AACSB Business Education Alliance..

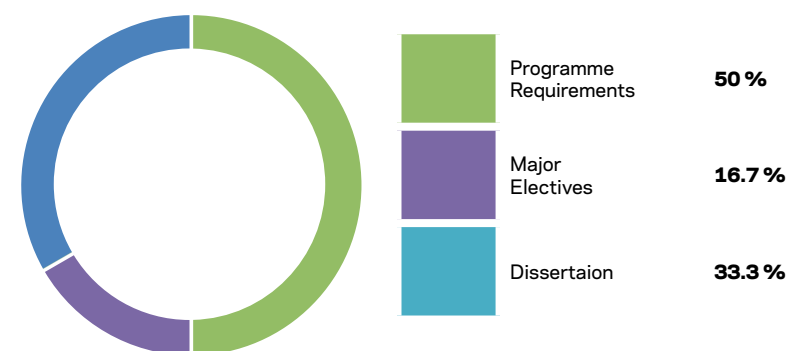
### PROGRAMME AIMS

The aims of the programme are to:

- To equip students with opportunity to develop critical knowledge, analytical skills and technical expertise in financial technology in real-world setting.
- To provide students with competence in applying a range of research, tools, skills, approaches techniques of relevance to a wide variety of sustainable setting in Financial Technology.
- Provide students with opportunity to develop lifelong learning skills, autonomy and professional leadership, sensitivity to ethical issues and social responsibility to contribute to businesses and society at large.
- To develop student's leadership potential through a variety of soft skills such as effective communication, teamwork, global and sustainable thinking as well as change management.

| PROGRAMME COMPONENTS              |                     |                |
|-----------------------------------|---------------------|----------------|
| COURSE TYPE                       | NO. OF CREDIT-HOURS | NO. OF COURSES |
| FOUNDATION COURSES (If required)* | 6*                  | 2*             |
| PROGRAMME REQUIREMENTS            | 18                  | 6              |
| MAJOR ELECTIVES                   | 6                   | 2              |
| DISSERTATION                      | 12                  | 1              |
| <b>TOTAL</b>                      | <b>36</b>           | <b>9</b>       |

\* Not counted towards the 36 credits hours necessary for the Master's of Science in Financial Technology





## LIST OF COURSES

### FOUNDATION COURSES\* (IF REQUIRED)

| COURSE       | CODE | COURSE TITLE         | CREDIT HOURS |
|--------------|------|----------------------|--------------|
| ACCT         | 510  | Financial Accounting | 3            |
| FINC         | 510  | Managerial Finance   | 3            |
| <b>TOTAL</b> |      | <b>2 COURSES</b>     | <b>6</b>     |

- Not counted towards the 36 credits hours necessary for the Master of Science in Financial Technology

### PROGRAMME REQUIREMENTS

| COURSE       | CODE | COURSE TITLE                                       | CREDIT HOURS |
|--------------|------|----------------------------------------------------|--------------|
| FINT         | 511  | Fundamentals Of Financial Technology               | 3            |
| FINT         | 512  | Corporate Finance                                  | 3            |
| FINT         | 513  | Blockchain And Cryptocurrencies Technologies       | 3            |
| FINT         | 514  | Portfolio Theory & Investment Analysis             | 3            |
| FINT         | 558  | Research Methodology                               | 3            |
| FINT         | 515  | Big Data Analytics And Machine Learning In Finance | 3            |
| <b>TOTAL</b> |      | <b>6 COURSES</b>                                   | <b>18</b>    |

### MAJOR ELECTIVES

| COURSE       | CODE | COURSE TITLE                         | CREDIT HOURS |
|--------------|------|--------------------------------------|--------------|
| FINT         | 516  | Fintech Ethics And Risks             | 3            |
| FINT         | 517  | Cybersecurity & Regtech              | 3            |
| FINT         | 518  | Entrepreneurship In Fintech          | 3            |
| FINT         | 519  | Algorithm And High-Frequency Trading | 3            |
| <b>TOTAL</b> |      | <b>ANY TWO OF THE ABOVE COURSES</b>  | <b>6</b>     |

### DISSERTATION

| COURSE       | CODE | COURSE TITLE            | CREDIT HOURS |
|--------------|------|-------------------------|--------------|
| FINT         | 599  | Dissertation in FINTECH | 12           |
| <b>TOTAL</b> |      | <b>ONE COURSE</b>       | <b>12</b>    |

**DETAILED STUDY PLAN (MSMCPR)****FOUNDATION COURSES (6 CREDITS)**

|  | COURSE                    | CODE | COURSE TITLE         | LEC      | LAB | CRE | PREREQUISITE |
|--|---------------------------|------|----------------------|----------|-----|-----|--------------|
|  | ACCT                      | 510  | Financial Accounting | 3        | 0   | 3   |              |
|  | FINC                      | 510  | Managerial Finance   | 3        | 0   | 3   |              |
|  | <b>TOTAL PER SEMESTER</b> |      |                      | <b>6</b> |     |     |              |

\* Not counted towards the 36 credits necessary for the MSc in FinTech degree.

**FIRST YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                                 | LEC      | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|----------------------------------------------|----------|-----|-----|--------------|
|                | FINT                      | 511  | Fundamentals of Financial Technology         | 3        | 0   | 3   |              |
|                | FINT                      | 512  | Corporate Finance                            | 3        | 0   | 3   |              |
|                | FINT                      | 513  | Blockchain and Cryptocurrencies Technologies | 2        | 2   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |                                              | <b>9</b> |     |     |              |

| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE                                       | LEC      | LAB | CRE | PREREQUISITE                     |
|-----------------|---------------------------|------|----------------------------------------------------|----------|-----|-----|----------------------------------|
|                 | FINT                      | 514  | Portfolio Theory & Investment Analysis             | 3        | 0   | 3   | FINT 512                         |
|                 | FINT                      | 558  | Research Methodology                               | 2        | 2   | 3   | Completion of at least 9 credits |
|                 | FINT                      | 515  | Big Data Analytics and Machine Learning in Finance | 2        | 2   | 3   |                                  |
|                 | <b>TOTAL PER SEMESTER</b> |      |                                                    | <b>9</b> |     |     |                                  |

**SECOND YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE   | LEC      | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|----------------|----------|-----|-----|--------------|
|                | FINT                      | XXX  | Major Elective | 2        | 1   | 3   |              |
|                | FINT                      | XXX  | Major Elective | 2        | 1   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |                | <b>6</b> |     |     |              |

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE            | LEC       | LAB | CRE | PREREQUISITE                                   |
|----------------|---------------------------|------|-------------------------|-----------|-----|-----|------------------------------------------------|
|                | FINT                      | 599  | Dissertation in FinTech | 0         | 6   | 12  | FINT 558 AND Completion of at least 21 credits |
|                | <b>TOTAL PER SEMESTER</b> |      |                         | <b>12</b> |     |     |                                                |

**LIST OF MAJOR ELECTIVE COURSES**

| COURSE | CODE | COURSE TITLE                         | LEC | LAB | CRE | PREREQUISITE |
|--------|------|--------------------------------------|-----|-----|-----|--------------|
| FINT   | 516  | FinTech Ethics and Risks             | 3   | 0   | 3   |              |
| FINT   | 517  | Cybersecurity & RegTech              | 2   | 2   | 3   |              |
| FINT   | 518  | Entrepreneurship in FinTech          | 3   | 0   | 3   |              |
| FINT   | 519  | Algorithm and High-Frequency Trading | 2   | 2   | 3   |              |

\*\* MSc in FinTech candidates are to choose 2 major elective courses from the above list.

## MASTER OF SCIENCE IN FORENSIC ACCOUNTING (MSFA)

### OVERVIEW

Ahlia University has offered its MSc in Forensic Accounting programme and has developed it to match curricula offered by leading business schools with a view to future enhance the attractiveness of its sought-after graduates for executive and leadership positions in Audit and consultations firms, Law firms, Governmental and judicial institutions, Governmental units of fighting electronic and financial crimes, e-Government, Public shareholding companies, Officials dealing with investigations of financial crimes, Employees of central bank and those working in financial sector (including banks and investment firms), Researchers in the field of corporate governance and financial crimes, Academicians willing to pursue their higher studies in accounting and auditing.

### PROGRAMME FACTS

- The programme is of 2 years duration.
- The programme is taught in English Language.
- The programme consists of 36 credit hours covering 8 courses along with a dissertation.
- The programme is accredited by Higher Education Council.
- The programme has membership with AACSB Business Education Alliance.

### PROGRAMME AIMS

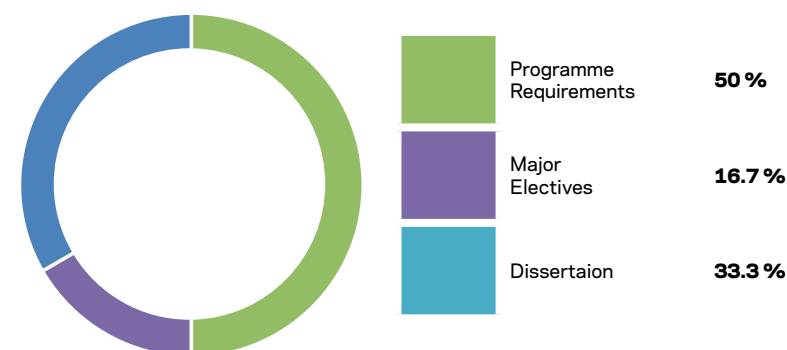
The aims of the programme are to:

- To equip learners with professional skills to unravel financial crimes and develop accounting and auditing systems to secure high levels of financial security in the public and private sectors.
- To qualify learners to be practitioners to provide high-level decision making at judiciary services related to accounting investigation to legislative bodies, companies, and government entities.
- To equip learners to develop critical analytical skills to deal with the complex in accounting crimes, judiciary and financial disputes and provide practical solutions in compliance through all branches of accounting mental frameworks.
- To equip learners with lifelong learning skills, autonomy, professional leadership, sensitivity to ethical issues and social responsibility to contribute to businesses and society at large.
- To equip learners with critical knowledge and understanding related to forensic accounting to contribute to the sustainable development of auditing and accounting professions in Bahrain and the Gulf Region.

### PROGRAMME COMPONENTS

| COURSE TYPE                       | NO. OF CREDIT-HOURS | NO. OF COURSES |
|-----------------------------------|---------------------|----------------|
| FOUNDATION COURSES (If required)* | 9*                  | 3*             |
| PROGRAMME REQUIREMENTS            | 18                  | 6              |
| MAJOR ELECTIVES                   | 6                   | 2              |
| DISSERTATION                      | 12                  | 1              |
| <b>TOTAL</b>                      | <b>36</b>           | <b>9</b>       |

\* Not counted towards the 36 credits hours necessary for the Master's of Science in Forensic Accounting



## LIST OF COURSES

### FOUNDATION COURSES\* (IF REQUIRED)

| COURSE       | CODE             | COURSE TITLE         | CREDIT HOURS |
|--------------|------------------|----------------------|--------------|
| ACCT         | 510              | Financial Accounting | 3            |
| FINC         | 510              | Managerial Finance   | 3            |
| ACCT         | 502              | Auditing             | 3            |
| <b>TOTAL</b> | <b>3 COURSES</b> |                      | <b>9</b>     |

- Not counted towards the 36 credits hours necessary for the Master of Science in Financial Technology

### PROGRAMME REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| MSFA         | 501              | Forensic Accounting & The Legal Environment | 3            |
| MSFA         | 502              | Computer Forensics & Auditing               | 3            |
| MSFA         | 503              | Corporate Governance And Ethics             | 3            |
| MSFA         | 504              | Fraud And Financial Crime Investigation     | 3            |
| MSFA         | 505              | Cyber Forensics And Security                | 3            |
| MSFA         | 506              | Research Methodology                        | 3            |
| <b>TOTAL</b> | <b>6 COURSES</b> |                                             | <b>18</b>    |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                             | CREDIT HOURS |
|--------------|-------------------------------------|------------------------------------------|--------------|
| MSFA         | 507                                 | Risk Management                          | 3            |
| MSFA         | 508                                 | Digital Criminology                      | 3            |
| MSFA         | 509                                 | Fraud Prevention Techniques              | 3            |
| MSFA         | 510                                 | Expert Witnessing And Dispute Resolution | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                          | <b>6</b>     |

### DISSERTATION

| COURSE       | CODE              | COURSE TITLE                        | CREDIT HOURS |
|--------------|-------------------|-------------------------------------|--------------|
| MSFA         | 599               | Dissertation In Forensic Accounting | 12           |
| <b>TOTAL</b> | <b>ONE COURSE</b> |                                     | <b>12</b>    |

**DETAILED STUDY PLAN (MSMCPR)****FOUNDATION COURSES (9 CREDITS)**

|  | COURSE                    | CODE | COURSE TITLE         | LEC      | LAB | CRE | PREREQUISITE |
|--|---------------------------|------|----------------------|----------|-----|-----|--------------|
|  | ACCT                      | 510  | Financial Accounting | 3        | 0   | 3   |              |
|  | FINC                      | 510  | Managerial Finance   | 3        | 0   | 3   |              |
|  | ACCT                      | 502  | Auditing             | 3        | 0   | 3   |              |
|  | <b>TOTAL PER SEMESTER</b> |      |                      | <b>9</b> |     |     |              |

\* Not counted towards the 36 credits necessary for the MSFA Degree.

**FIRST YEAR (18 CREDITS)**

| FIRST SEMESTER  | COURSE                    | CODE | COURSE TITLE                                | LEC      | LAB | CRE | PREREQUISITE                     |
|-----------------|---------------------------|------|---------------------------------------------|----------|-----|-----|----------------------------------|
|                 | MSFA                      | 501  | Forensic Accounting & the Legal Environment | 3        | 0   | 3   |                                  |
|                 | MSFA                      | 502  | Computer Forensics & Auditing               | 3        | 0   | 3   |                                  |
|                 | MSFA                      | 503  | Corporate Governance and Ethics             | 3        | 0   | 3   |                                  |
|                 | <b>TOTAL PER SEMESTER</b> |      |                                             | <b>9</b> |     |     |                                  |
| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE                                | LEC      | LAB | CRE | PREREQUISITE                     |
|                 | MSFA                      | 504  | Fraud and Financial Crime Investigation     | 2        | 2   | 3   | MSFA 501                         |
|                 | MSFA                      | 505  | Cyber Forensics and Security                | 2        | 2   | 3   | MSFA 502                         |
|                 | MSFA                      | 506  | Research Methodology                        | 2        | 2   | 3   | Completion of at least 9 credits |
|                 | <b>TOTAL PER SEMESTER</b> |      |                                             | <b>9</b> |     |     |                                  |

**SECOND YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                        | LEC       | LAB | CRE | PREREQUISITE                                   |
|----------------|---------------------------|------|-------------------------------------|-----------|-----|-----|------------------------------------------------|
|                | MSFA                      | XXXX | Elective I                          | X         | X   | 3   |                                                |
|                | MSFA                      | XXXX | Elective II                         | X         | X   | 3   |                                                |
|                | <b>TOTAL PER SEMESTER</b> |      |                                     | <b>6</b>  |     |     |                                                |
| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                        | LEC       | LAB | CRE | PREREQUISITE                                   |
|                | MSFA                      | 599  | Dissertation in Forensic Accounting | 0         | 24  | 12  | MSFA 506 AND Completion of at least 21 credits |
|                | <b>TOTAL PER SEMESTER</b> |      |                                     | <b>12</b> |     |     |                                                |

**LIST OF MAJOR ELECTIVE COURSES**

| COURSE | CODE | COURSE TITLE                             | LEC | LAB | CRE | PREREQUISITE |
|--------|------|------------------------------------------|-----|-----|-----|--------------|
| MSFA   | 507  | Risk Management                          | 3   | 0   | 3   |              |
| MSFA   | 508  | Digital Criminology                      | 3   | 0   | 3   |              |
| MSFA   | 509  | Fraud Prevention Techniques              | 2   | 2   | 3   | MSFA 502     |
| MSFA   | 510  | Expert Witnessing and Dispute Resolution | 3   | 0   | 3   |              |

\*\* MSFA candidates are to choose 2 major elective courses from the above list.

## MASTER OF SCIENCE IN ENGINEERING MANAGEMENT (MSEM) IN COLLABORATION WITH THE GEORGE WASHINGTON UNIVERSITY

### OVERVIEW

The Engineering Management and Systems Engineering (EMSE) Off-Campus Programmes Office at the George Washington University (GWU), USA, offers a Master of Science Degree Programme in Engineering Management in the Kingdom of Bahrain at Ahlia University in collaboration with the George Washington University (GWU), USA that is designed to develop leaders for technically oriented organizations and prepare them for the future. The GW/AU Master of Science programme in Engineering Management teaches employees of engineering, business, and technical organizations to complement technical knowledge with managerial skills.

The GW Department of Engineering Management and Systems Engineering in collaboration with Ahlia University brings its time-honoured education programmes to a convenient location in the Middle East. The field of Engineering Management with a focus on Engineering and Technology Management (E&TM) bridges the gap between engineering and management. It involves the overall management of organizations oriented to manufacturing, construction, engineering, and technology or production. E&TM enables engineers to function more effectively in the business environment.

A Master of Science degree in Engineering Management provides a technical based alternative to traditional MBA programmes. Practitioners specialize in such areas as management of technology, product and process, quality, organizational management, operations management, programme management or marketing and finance. For more details, visit The George Washington University website.

See more at: <https://www.gwu.edu>

### PROGRAMME FACTS

- The postgraduate programme is of 1 ½ years duration
- The programme is taught in English Language
- The programme consists of 36 Credit-Hours
- The programme is accredited by Higher Education Council (HEC)
- The programme is internationally recognized and Accredited by ABET.
- The programme achieved "Confidence" in (2017) by The Education and Training Quality Authority, Bahrain.
- The programme is National Qualifications Framework (NQF) placed in (2017) Reference AQ17-003 Level 9.

### PROGRAMME AIMS

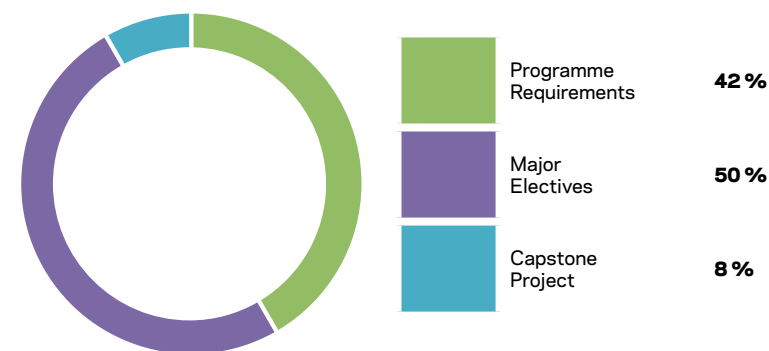
The aims of the programme are to:

- Work and lead effectively in the business environment by applying EM principles in the overall management of organizations oriented to manufacturing, construction, engineering, technology, or production.
- Coordinate critical organizational functions-organizational management and behavior, operations, project management, marketing, cost and quality control, finance, staff, technical requirements, engineering contract management-and supervise technical development while maintaining high performance.
- Prepare to take the exam for certification as a Project Management Professional (PMP) offered by the Project Management Institute to further establish professional credentials.

### PROGRAMME COMPONENTS

| COURSE TYPE                       | NO. OF CREDIT-HOURS | NO. OF COURSES |
|-----------------------------------|---------------------|----------------|
| FOUNDATION COURSES (If required)* | 3                   | 1              |
| PROGRAMME REQUIREMENTS            | 15                  | 5              |
| MAJOR ELECTIVES                   | 15                  | 5              |
| RESEARCH                          | 6                   | 1              |
| <b>TOTAL</b>                      | <b>36</b>           | <b>11</b>      |

\*Not counted towards the 36 credit-hours necessary for the Master of Science in Engineering Management Degree



## LIST OF COURSES

### FOUNDATION COURSES\* (IF REQUIRED)

| COURSE       | CODE | COURSE TITLE                                                   | CREDIT HOURS |
|--------------|------|----------------------------------------------------------------|--------------|
| EMSE         | 197  | Special Topics: Quantitative Methods In Engineering Management | 3            |
| <b>TOTAL</b> |      | <b>1 COURSES</b>                                               | <b>3</b>     |

- NOT counted towards the 36 credits for the MSEM degree.

### PROGRAMME REQUIREMENTS

| COURSE       | CODE | COURSE TITLE                                 | CREDIT HOURS |
|--------------|------|----------------------------------------------|--------------|
| EMSE         | 001  | The Management Of Technical Organizations    | 3            |
| EMSE         | 410  | Surveys Of Finance And Engineering Economics | 3            |
| EMSE         | 020  | Decision Making With Uncertainty             | 3            |
| EMSE         | 801  | Systems Engineering I                        | 3            |
| EMSE         | 992  | Special Topics: Research Methods For EM      | 3            |
| <b>TOTAL</b> |      | <b>5 COURSES</b>                             | <b>15</b>    |

### MAJOR ELECTIVES

| COURSE       | CODE | COURSE TITLE                                        | CREDIT HOURS |
|--------------|------|-----------------------------------------------------|--------------|
| EMSE         | 005  | Organizational Behavior For The Engineering Manager | 3            |
| EMSE         | 026  | Technical Enterprises                               | 3            |
| EMSE         | 035  | Marketing Of Technology                             | 3            |
| EMSE         | 505  | Knowledge Management I                              | 3            |
| EMSE         | 770  | Techniques Of Risk Analysis And Management          | 3            |
| EMSE         | 790  | Logistics Planning                                  | 3            |
| EMSE         | 820  | Programme And Project Management                    | 3            |
| EMSE         | 850  | Quantitative Models In System Engineering           | 3            |
| <b>TOTAL</b> |      | <b>ANY FIVE OF THE ABOVE COURSES</b>                | <b>18</b>    |

### RESEARCH

| COURSE       | CODE | COURSE TITLE      | CREDIT HOURS |
|--------------|------|-------------------|--------------|
| EMSE         | 995  | Research          | 6            |
| <b>TOTAL</b> |      | <b>ONE COURSE</b> | <b>6</b>     |

**DETAILED STUDY PLAN (MSMCPR)****FOUNDATION COURSES (3 CREDITS)**

|  | COURSE                    | CODE | COURSE TITLE                                                   | LEC       | LAB | CRE | PREREQUISITE |
|--|---------------------------|------|----------------------------------------------------------------|-----------|-----|-----|--------------|
|  | EMSE                      | 197  | Special Topics: Quantitative Methods in Engineering Management | 6         | 0   | 3   |              |
|  | <b>TOTAL PER SEMESTER</b> |      |                                                                | <b>3*</b> |     |     |              |

\* Not counted towards the 36 credits for the MSEM degree

**FIRST YEAR (24 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                                 | LEC       | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|----------------------------------------------|-----------|-----|-----|--------------|
|                | EMSE                      | 001  | The Management of Technical Organizations    | 6         | 0   | 3   |              |
|                | EMSE                      | 410  | Surveys of Finance and Engineering Economics | 6         | 0   | 3   |              |
|                | EMSE                      | 020  | Decision Making with Uncertainty             | 6         | 0   | 3   |              |
|                | EMSE                      | 801  | System Engineering I                         | 6         | 0   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |                                              | <b>12</b> |     |     |              |

| SECOND SEMESTER | COURSE                    | CODE    | COURSE TITLE                            | LEC       | LAB | CRE | PREREQUISITE                     |
|-----------------|---------------------------|---------|-----------------------------------------|-----------|-----|-----|----------------------------------|
|                 | EMSE                      | I XXX   | Elective I in EMSE                      | X         | X   | 3   | MSFA 501                         |
|                 | EMSE                      | II XXX  | Elective II in EMSE                     | X         | X   | 3   | MSFA 502                         |
|                 | EMSE                      | III XXX | Elective III in EMSE                    | X         | X   | 3   | Completion of at least 9 credits |
|                 | EMSE                      | 992     | Special Topics: Research Methods for EM | 6         | 0   | 3   |                                  |
|                 | <b>TOTAL PER SEMESTER</b> |         |                                         | <b>12</b> |     |     |                                  |

**SECOND YEAR (12 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE   | COURSE TITLE        | LEC       | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|--------|---------------------|-----------|-----|-----|--------------|
|                | EMSE                      | IV XXX | Elective IV in EMSE | X         | X   | 3   |              |
|                | EMSE                      | V XXX  | Elective V in EMSE  | X         | X   | 3   |              |
|                | EMSE                      | 995    | Research            | 0         | 12  | 6   | EMSE 992     |
|                | <b>TOTAL PER SEMESTER</b> |        |                     | <b>12</b> |     |     |              |

**LIST OF MAJOR ELECTIVE COURSES**

| COURSE | CODE | COURSE TITLE                                        | LEC | LAB | CRE | PREREQUISITE |
|--------|------|-----------------------------------------------------|-----|-----|-----|--------------|
| EMSE   | 005  | Organizational Behavior for The Engineering Manager | 6   | 0   | 3   |              |
| EMSE   | 026  | Technical Enterprises                               | 6   | 0   | 3   |              |
| EMSE   | 035  | Marketing of Technology                             | 6   | 0   | 3   | MSFA 502     |
| EMSE   | 505  | Knowledge Management I                              | 6   | 0   | 3   |              |
| EMSE   | 770  | Techniques of Risk Analysis and Management          | 6   | 0   | 3   |              |
| EMSE   | 790  | Logistics Planning                                  | 6   | 0   | 3   |              |
| EMSE   | 820  | Programme and Project Management                    | 6   | 0   | 3   |              |
| EMSE   | 850  | Quantitative Models in System Engineering           | 6   | 0   | 3   |              |

\*\* MSEM candidates are to choose 5 major elective courses from the above list.



## DOCTOR OF PHILOSOPHY (PHD-WR) IN MANAGEMENT STUDIES, OPERATIONAL RESEARCH AND RELATED FIELDS

OFFERED BY BRUNEL UNIVERSITY, UK IN COLLABORATION WITH  
AHLIA UNIVERSITY

### OVERVIEW

Brunel University London, UK is working in partnership with Ahlia University, Bahrain, to deliver the PhD (without Residence) programme in Bahrain. The programme was launched in 2007 and is helping to create a new generation of scholars and business leaders, benefiting society by developing a research culture and assisting the evolution from a knowledge consuming society to a knowledge producing society.

The programme offers a unique opportunity by facilitating a research degree in Doctor of Philosophy (PhD) in Management Studies Research from a UK university with an international reputation and is a highly sought-after qualification.

### PROGRAMME FACTS

- Three to four years full time research programme with no taught credit bearing courses.
- Students will be based at Ahlia University and have full access to all of Ahlia's facilities including its extensive library.
- Students will be assigned two academic supervisors who will support and guide them during the PhD programme.
- Students will be nominally attached to a research centre within Brunel Business School.
- Students will be encouraged to attend conferences and to disseminate their research.
- Brunel Business School regularly runs seminars and workshops in Bahrain to help students with their study and research skills.
- The only time students will need to go to Brunel will be for their viva voce at the end of the PhD.

### PROGRAMME OUTCOMES

- Doctoral degree in Management Studies issued by Brunel University London.
- Discovery of novel findings – which should be of a standard sufficient for publication in peer-reviewed academic journals.
- A broad and in-depth understanding of the research field including relevant methodologies, an ability to conduct research studies independently.
- Prepare a well written and presented thesis in English language describing the background to their work, the methods used, observations made and critical discussion in the context of the broader field.

### PROGRAMME AIMS

- 100% individual research
- Periodical non-credit bearing research skills support sessions
- Annual doctoral symposium

# COLLEGE OF ENGINEERING

Welcome to the College of Engineering at Ahlia University, where education and research are delivered in high standard nationwide. The College of Engineering is considered the main key driver for future sustainable development all over the world. The goal of the College is to promote a confident and healthy learning environment that accepts students with diverse multicultural backgrounds, to produce qualified graduates, with right skills and adequate talents, ready to engage in different engineering disciplines such as computer communications, networks, electronics, hardware and software design, information technology, and much more.

The College of Engineering at Ahlia University is the appropriate choice for students who are looking for an exciting and rewarding career. The quality of the College programmes and graduates reflect our relentless determination to deliver up-to-date courses that are responsive to the rapid changes in the engineering sectors and employer's and societal needs. The College of Engineering offers four-year bachelor's degrees Programmes: Bachelor's Degree in Computer and Communication Engineering (BSCCE) and Bachelor's Degree in Mobile and Network Engineering (BSMNE). Our Programmes have maintained high quality standards and sustained their quality by obtaining full confidence status by the Education and Training Quality Authority (BQA), Kingdom of Bahrain, and have been placed on National Qualifications Framework at level 8.

The College is keen to attract international outstanding faculty members with cutting edge research, willingness to share their knowledge, extensive experience, and remarkable innovations, in addition to talented and highly skilled graduates who work as teaching assistants offers opportunities for outstanding Bahraini members to peruse their postgraduate studies at affiliated international universities. Teaching and learning resources include labs equipped with the latest technology and state-of-the-art equipment. The College of Engineering provides the students with world-class education and hands-on experience through lectures, research work, internships, student club activities, field trips, and local and regional competitions to enable them to become critical thinkers and skilled doers. Our approach reflects the educational needs of the current age of information technology, with a commitment to life-long learning, enhancement of the graduate's ability to work in multidisciplinary settings, integration of research and practice, teaching, coaching and learning excellence, and an appreciation of creativity and innovation.

## **Our vision**

To Aspire to achieve preeminent position in the Middle East in engineering education and research, outstanding leadership to the profession, and in the application of cutting edge knowledge to the benefit of society.

## **OUR MISSION**

To provide high quality programmes through innovative and dynamic curricula designed to equip students with skills and knowledge they need to become globally competitive engineering professionals with a wide range of career choices in multiple industry sectors. The College is committed to maintaining a collegial, supportive, and diverse environment that encourages our students, faculty and staff to achieve full potential to the best of their abilities.

## OUR GOALS

- Provide quality programmes that foster student learning through a wide variety of instructional approaches.
- Offer students an in-depth knowledge of the discipline with critical thinking skills, experimentation skills, and problem solving skills.
- Achieve student commitment to lifelong learning through a variety of technologies and research tools so each student can adapt their knowledge base to new situations.
- Encourage faculty professional development to enhance a lifelong professional career with growth.
- Encourage industry and government partnerships with faculty and students to enhance scholarship and learning.
- Encourage students to be active in professional organizations under faculty mentorship.
- Encourage faculty to maintain leading edge knowledge in current technologies to prepare students to be globally competitive upon graduation.
- Motivate students to be sensitive to issues such as ethics, social responsibilities, and environmental protection.

## BACHELOR'S DEGREE IN COMPUTER AND COMMUNICATION ENGINEERING (BSCCE)

### OVERVIEW

The Computer and Communications Engineering programme focuses on computer and communication engineering concepts and applications.

The programme provides exposure to diverse cutting edge technologies spanning computer architecture, microprocessors, embedded systems, digital signal processing and modern digital and analogue communication systems.

The Computer and Communication Engineering undergraduate programme is under the Computer Engineering Department which has a highly qualified and diverse team of academic staff that provides students with inspiration and quality education in the theory and practice of computer and communication systems.

The Computer Engineering Department has computer engineering labs equipped with the latest tools and technology to build creativity and inspire innovation for BSCCE students.

The Computer and Communication Engineering undergraduate programme is lined with the ABET accreditation to provide assurance that our programme meets the quality standards of the profession and give the BSCCE graduates an international accreditation for the national, GCC and international job market.

## PROGRAMME FACTS

- The programme is of 4 years duration.
- The programme is taught in English Language.
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme achieved “Confidence” in (2016) by the Education and Training Quality Authority.
- The programme is National Qualifications Framework (NQF) placed in (2018) Reference Q17-034 Level 8.
- The programme offers a great opportunity for self-development through internship.

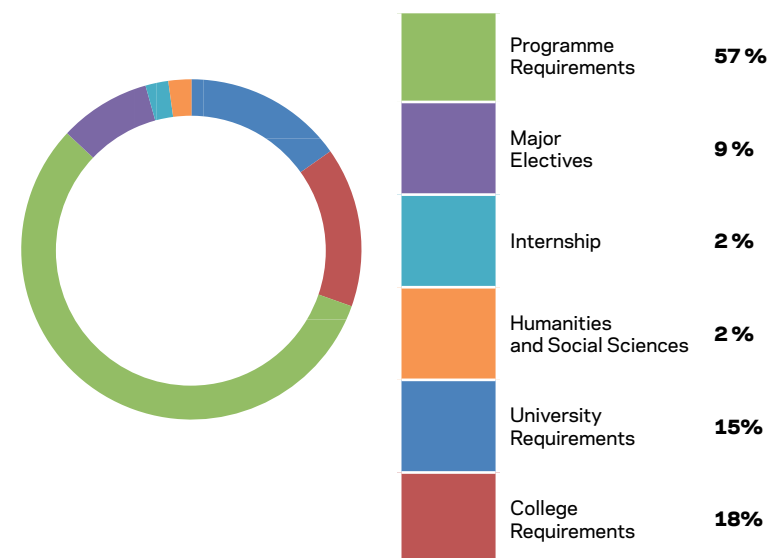
## PROGRAMME AIMS

The aim of the programme is:

- To equip learners with in-depth knowledge and skills necessary to exhibit sustainable competence in the fields of computer and communication engineering in accordance with national and international standards.
- To enable learners to identify and solve multifaceted problems in their area of specialization with a view to designing, analyzing, implementing and managing efficient solutions germane to current Engineering technologies.
- To empower learners to successfully pursue careers as computer and communication engineers motivated to engage in research and life-long learning in ways that serve the societal needs.
- To instill in learners, who contribute productively to society through responsible professional engineering practice, norms of ethical behavior.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 12                  | 4              |
| Programme Requirements         | 84                  | 30             |
| Major Electives                | 6                   | 2              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & It              | 3            |
| ENGL         | 102              | Academic English Ii                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History Of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                          | CREDIT HOURS |
|--------------|------------------|---------------------------------------|--------------|
| ENGL         | 201              | Academic English III                  | 3            |
| ENGL         | 210              | Technical Report Writing              | 3            |
| ITCS         | 122              | Introduction To Programming Techiques | 3            |
| MATH         | 101              | Calculus I                            | 3            |
| MATH         | 102              | Calculus II                           | 3            |
| PHYS         | 101              | General Physics I                     | 3            |
| PHYS         | 102              | Physics II                            | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                       | <b>21</b>    |

## PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                             | CREDIT HOURS |
|--------|------|----------------------------------------------------------|--------------|
| ECCE   | 201  | Electric Circuits                                        | 3            |
| ITCS   | 209  | Discrete Structures                                      | 3            |
| MATH   | 205  | Differential Equations                                   | 3            |
| ITCS   | 201  | Object-Oriented Programming I                            | 3            |
| ECCE   | 221  | Electronic Circuits                                      | 3            |
| ITCS   | 224  | Data Structures                                          | 3            |
| ECCE   | 203  | Digital Logic                                            | 3            |
| ECTE   | 224  | Signals & Systems                                        | 3            |
| MATH   | 223  | Linear Algebra And Complex Analysis                      | 3            |
| ECCE   | 303  | Computer Architecture And Organization                   | 3            |
| ITCS   | 323  | Database Systems: Design And Application                 | 3            |
| ECTE   | 314  | Communication Systems I                                  | 3            |
| ECCE   | 326  | Digital Logic Design                                     | 3            |
| ECTE   | 329  | Computer Networks                                        | 3            |
| ECCE   | 323  | Microprocessors                                          | 3            |
| ETHC   | 392  | Ethics And Professional Practice In It And Engineering   | 3            |
| ECTE   | 324  | Communication Systems II                                 | 3            |
| STAT   | 302  | Applied Probability                                      | 3            |
| ECTE   | 322  | Antenna And Wave Propagation                             | 3            |
| ECCE   | 403  | Embedded Systems                                         | 3            |
| ECTE   | 450  | Digital Signal Processing                                | 3            |
| IERM   | 498  | Research Methods In Information Technology & Engineering | 3            |
| ITCS   | 409  | Operating Systems                                        | 3            |

|              |                   |                                 |           |
|--------------|-------------------|---------------------------------|-----------|
| INTD         | 403               | Working Drawing & Documentation | 3         |
| INTD         | 413               | Sustainable Design              | 3         |
| <b>TOTAL</b> | <b>25 COURSES</b> |                                 | <b>75</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                                 | COURSE TITLE                  | CREDIT HOURS |
|--------------|--------------------------------------|-------------------------------|--------------|
| ECCE         | 324                                  | Principles Of Control Systems | 3            |
| ECCE         | 413                                  | Internet Of Things            | 3            |
| ECCE         | 424                                  | Cyber Security                | 3            |
| ECCE         | 425                                  | Engineering Management        | 3            |
| ECCE         | 443                                  | Applied Robotics              | 3            |
| ECCE         | 451                                  | Machine Learning              | 3            |
| ECCE         | 452                                  | Computer Vision               | 3            |
| ECCE         | 406                                  | Multimedia Communications     | 3            |
| ECCE         | 474                                  | Optical Communications        | 3            |
| ITMS         | 437                                  | Cloud Services Development    | 3            |
| <b>TOTAL</b> | <b>ANY FOUR OF THE ABOVE COURSES</b> |                               | <b>12</b>    |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE     | CREDIT HOURS |
|--------------|-----------------|------------------|--------------|
| INTR         | 461             | BSCCE Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                  | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE | COURSE TITLE                                     | CREDIT HOURS |
|--------------|------|--------------------------------------------------|--------------|
| ANTH         | 101  | Introduction To Anthropology                     | 3            |
| ARAB         | 102  | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201  | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101  | Introduction To Chinese I                        | 3            |
| CULT         | 101  | Introduction To Culture                          | 3            |
| CULT         | 102  | Islamic Culture                                  | 3            |
| ENGL         | 215  | Readings In English Literature                   | 3            |
| ENGL         | 216  | Readings Literature II                           | 3            |
| ENGL         | 218  | Workplace Writing Skills                         | 3            |
| ENGL         | 221  | Introduction To Translation                      | 3            |
| FREN         | 101  | French I                                         | 3            |
| FREN         | 102  | French II                                        | 3            |
| GERM         | 101  | German Language & Culture I                      | 3            |
| GERM         | 102  | German Language & Culture II                     | 3            |
| HIST         | 101  | Modern History of The Middle East & North Africa | 3            |
| IREL         | 101  | International Relations                          | 3            |
| KORN         | 101  | Introduction To Korean Language I                | 3            |
| KORN         | 102  | Introduction To Korean Language II               | 3            |
| LAW          | 101  | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101  | Introduction To Psychology                       | 3            |
| SOCI         | 101  | Sociology                                        | 3            |
| SOCI         | 102  | Sociology II                                     | 3            |
| SPAN         | 101  | Introduction To Spanish I                        | 3            |
| SPAN         | 102  | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> |      |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as Free Electives

**DETAILED STUDY PLAN (BSCCE)****FIRST YEAR (35 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|----------------|--------------------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER | ARAB               | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                | ENGL               | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                | ITCS               | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                | MATH               | 101  | Calculus I                                  | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | PHYS               | 101  | General Physics I                           | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | STAT               | 101  | Introduction to Statistics                  | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | TOTAL PER SEMESTER |      |                                             | 18  |     |     |                                                 |

|                 | COURSE             | CODE | COURSE TITLE                           | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|----------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | ENGL               | 102  | Academic English II                    | 3   | 0   | 3   | ENGL 101     |
|                 | HIST               | 121  | Modern History of Bahrain              | 3   | 0   | 3   |              |
|                 | ITCS               | 122  | Introduction to Programming Techniques | 2   | 2   | 3   | ITCS 101     |
|                 | MATH               | 102  | Calculus II                            | 3   | 0   | 3   | MATH 101     |
|                 | PHYS               | 102  | Physics II                             | 2   | 2   | 3   | PHYS 101     |
|                 | HUMR               | 101  | Principles of Human Rights             | 2   | 0   | 2   |              |
|                 | TOTAL PER SEMESTER |      |                                        | 17  |     |     |              |

**SECOND YEAR ( 33 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                  | LEC | LAB | CRE | PREREQUISITE          |
|----------------|--------------------|------|-------------------------------|-----|-----|-----|-----------------------|
| FIRST SEMESTER | ECCE               | 201  | Electric Circuits             | 2   | 2   | 3   | PHYS 102 AND MATH 102 |
|                | ITCS               | 209  | Discrete Structures           | 3   | 0   | 3   | MATH 101              |
|                | MATH               | 205  | Differential Equations        | 3   | 0   | 3   | MATH 102              |
|                | ITCS               | 201  | Object-Oriented Programming I | 2   | 2   | 3   | ITCS 122              |
|                | ENGL               | 201  | Academic English III          | 3   | 0   | 3   | ENGL 102              |
|                | TOTAL PER SEMESTER |      |                               | 15  |     |     |                       |

|                 | COURSE             | CODE | COURSE TITLE                        | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|-------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | ECCE               | 221  | Electronic Circuits                 | 2   | 2   | 3   | ECCE 201     |
|                 | ITCS               | 224  | Data Structures                     | 2   | 2   | 3   | ITCS 201     |
|                 | ECCE               | 203  | Digital Logic                       | 2   | 2   | 3   | ITCS 101     |
|                 | ECTE               | 224  | Signals & Systems                   | 2   | 2   | 3   | MATH 205     |
|                 | MATH               | 223  | Linear Algebra and Complex Analysis | 3   | 0   | 3   | MATH 101     |
|                 | ENGL               | 210  | Technical Report Writing            | 3   | 0   | 3   | ENGL 201     |
|                 | TOTAL PER SEMESTER |      |                                     | 18  |     |     |              |

**THIRD YEAR (36 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                             | LEC | LAB | CRE | PREREQUISITE          |
|----------------|--------------------|------|------------------------------------------|-----|-----|-----|-----------------------|
| FIRST SEMESTER | ECCE               | 303  | Computer Architecture and Organization   | 2   | 2   | 3   | ECCE 203              |
|                | ITCS               | 323  | Database Systems: Design and Application | 2   | 2   | 3   | ITCS 224              |
|                | ECTE               | 314  | Communication Systems I                  | 2   | 2   | 3   | ECTE 224 AND ECCE 221 |
|                | ECCE               | 326  | Digital Logic Design                     | 2   | 2   | 3   | ECCE 203              |
|                | ECTE               | 329  | Computer Networks                        | 2   | 2   | 3   | ECCE 203              |
|                | TOTAL PER SEMESTER |      |                                          | 15  |     |     |                       |

|                 | COURSE             | CODE | COURSE TITLE                                           | LEC | LAB | CRE | PREREQUISITE                      |
|-----------------|--------------------|------|--------------------------------------------------------|-----|-----|-----|-----------------------------------|
| SECOND SEMESTER | ECCE               | 323  | Microprocessors                                        | 2   | 2   | 3   | ECCE 303                          |
|                 | HU/SS              | XXX  | Humanities/Social Sciences                             | 3   | 0   | 3   |                                   |
|                 | ETHC               | 392  | Ethics and Professional Practice in IT and Engineering | 3   | 0   | 3   | Completion of at least 66 credits |
|                 | ECTE               | 324  | Communication Systems II                               | 2   | 2   | 3   | ECTE 314                          |
|                 | STAT               | 302  | Applied Probability                                    | 3   | 0   | 3   | STAT 101 AND MATH 102             |
|                 | ECTE               | 322  | Antenna and Wave Propagation                           | 2   | 2   | 3   | MATH 205 AND MATH 223             |
|                 | TOTAL PER SEMESTER |      |                                                        | 18  |     |     |                                   |

|                    | COURSE | CODE | COURSE TITLE     | LEC | LAB | CRE | PREREQUISITE                                            |
|--------------------|--------|------|------------------|-----|-----|-----|---------------------------------------------------------|
| SUMMER             | INTR   | 461  | BSCCE Internship | 0   | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
| TOTAL PER SEMESTER |        |      | 3                |     |     |     |                                                         |

**FOURTH YEAR (30 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                             | LEC | LAB | CRE | PREREQUISITE                      |
|----------------|--------------------|------|----------------------------------------------------------|-----|-----|-----|-----------------------------------|
| FIRST SEMESTER | ECCE               | 403  | Embedded Systems                                         | 2   | 2   | 3   | ECCE 323                          |
|                | ECTE               | 450  | Digital Signal Processing                                | 2   | 2   | 3   | ECTE 224                          |
|                | IERM               | 498  | Research Methods in Information Technology & Engineering | 3   | 0   | 3   | Completion of at least 90 credits |
|                | XXXX               | XXX  | Major Elective I                                         | X   | X   | 3   |                                   |
|                | XXXX               | XXX  | Major Elective II                                        | X   | X   | 3   |                                   |
|                | TOTAL PER SEMESTER |      |                                                          | 15  |     |     |                                   |

|                 | COURSE             | CODE | COURSE TITLE            | LEC | LAB | CRE | PREREQUISITE          |
|-----------------|--------------------|------|-------------------------|-----|-----|-----|-----------------------|
| SECOND SEMESTER | ITCS               | 409  | Operating Systems       | 3   | 0   | 3   | ECCE 303              |
|                 | ECCE               | 499  | Major Project           | 0   | 6   | 3   | IERM 498 AND ETHC 392 |
|                 | ECTE               | 424  | Wireless Communications | 2   | 2   | 3   | ECTE 324 AND ECTE 322 |
|                 | XXXX               | XXX  | Major Elective III      | X   | X   | 3   |                       |
|                 | XXXX               | XXX  | Major Elective IV       | X   | X   | 3   |                       |
|                 | TOTAL PER SEMESTER |      |                         | 15  |     |     |                       |

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                  | LEC | LAB | CRE | PREREQUISITE                      |
|--------|------|-------------------------------|-----|-----|-----|-----------------------------------|
| ECCE   | 324  | Principles of Control Systems | 2   | 2   | 3   | ECTE 224 AND MATH 205             |
| ECCE   | 413  | Internet of Things            | 2   | 2   | 3   | ECCE 303 AND ECTE 329             |
| ECCE   | 424  | Cyber Security                | 2   | 2   | 3   | STAT 302                          |
| ECCE   | 425  | Engineering Management        | 3   | 0   | 3   | Completion of at least 90 credits |
| ECCE   | 443  | Applied Robotics              | 2   | 2   | 3   | ECCE 323                          |
| ECCE   | 451  | Machine Learning              | 2   | 2   | 3   | STAT 302 AND MATH 205             |
| ECCE   | 452  | Computer Vision               | 2   | 2   | 3   | ITCS 224                          |
| ECTE   | 406  | Multimedia Communications     | 2   | 2   | 3   | ECTE 450                          |
| ECTE   | 474  | Optical Communications        | 2   | 2   | 3   | ECTE 324                          |
| ITMS   | 437  | Cloud Services Development    | 2   | 2   | 3   | ITCS 323                          |

## BACHELOR'S DEGREE IN MOBILE AND NETWORK ENGINEERING (BSMNE)

### OVERVIEW

The Bachelor's Degree programme in Mobile and Network Engineering (BSMNE) is a broad-based programme that provides the students with the technical knowledge and skills required to plan, design, construct and maintain telecommunications networks, equipment and facilities. This programme emphasizes an in-depth understanding of the technologies that support the local and global broadband digital networking and mobile communication systems that are required for tomorrow's broadband-interactive information transmission.

Through this programme, students acquire in-depth knowledge in wireless and mobile communications, Computer networks, network design, Network switching and routing, mobile device programming, modern digital and analogue communication systems, and multimedia service convergences ensuring that graduates are fully prepared for employment within the sector. The several network courses embedded within the curriculum prepare students for professional certifications such as Cisco, CCNA and CCNP.

The programme has been recently updated to meet ABET accreditation requirements in terms of well-balanced curricula providing breadth and depth in both theory and practice of mobile and network engineering disciplines.



## PROGRAMME FACTS

- The programme is run over 4 years.
- The programme is taught in English Language.
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme achieved “Confidence” in (2016) by The Education and Training Quality Authority.
- The programme is National Qualifications Framework (NQF) placed in (2018) Reference Q17-035 Level 8.
- The programme offers a great opportunity for self-development through internship.

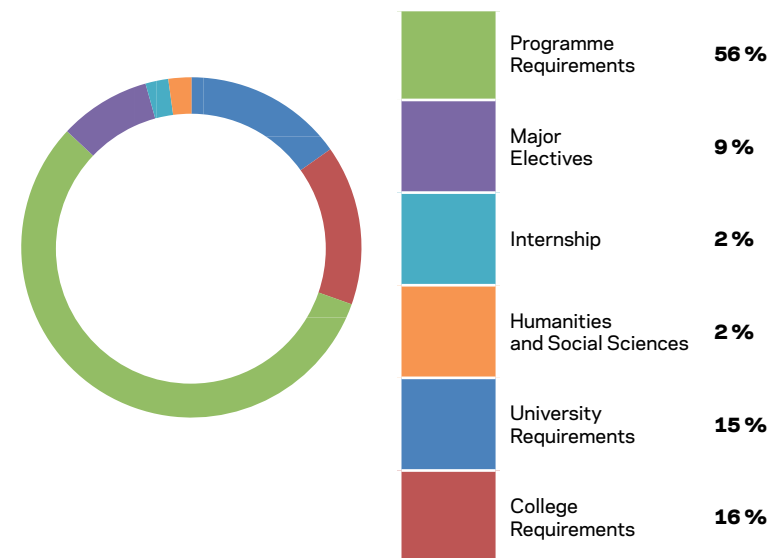
## PROGRAMME AIMS

The aim of the programme is:

- To equip learners with in-depth knowledge and skills necessary to exhibit sustainable competence in the fields of mobile and network engineering in accordance with national and international standards.
- To enable learners to identify and solve multifaceted problems in their area of specialization with a view to designing, analyzing, implementing and managing efficient solutions germane to current Engineering technologies.
- To empower learners to successfully pursue careers as mobile and network engineers motivated to engage in research and life-long learning in ways that serve the societal needs.
- To instil in learners, who contribute productively to society through responsible professional engineering practice, norms of ethical behavior.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 21                  | 7              |
| Programme Requirements         | 75                  | 25             |
| Major Electives                | 12                  | 4              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ENGL         | 102              | Academic English Ii                         | 3            |
| HIST         | 121              | Modern History Of Bahrain                   | 3            |
| HUMR         | 101              | Principles of Human Rights                  | 2            |
| ITCS         | 101              | Introduction to Computers & It              | 3            |
| STAT         | 101              | Introduction to Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                          | CREDIT HOURS |
|--------------|------------------|---------------------------------------|--------------|
| ENGL         | 201              | ACADEMIC ENGLISH III                  | 3            |
| ENGL         | 210              | Technical Report Writing              | 3            |
| ITCS         | 122              | Introduction To Programming Techiques | 3            |
| MATH         | 101              | Calculus I                            | 3            |
| MATH         | 102              | Calculus Ii                           | 3            |
| PHYS         | 101              | General Physics I                     | 3            |
| PHYS         | 102              | Physics Ii                            | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                       | <b>21</b>    |

## PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                             | CREDIT HOURS |
|--------|------|----------------------------------------------------------|--------------|
| ECCE   | 201  | Electric Circuits                                        | 3            |
| ITCS   | 209  | Discrete Structures                                      | 3            |
| MATH   | 205  | Differential Equations                                   | 3            |
| ITCS   | 201  | Object-Oriented Programming I                            | 3            |
| ECCE   | 221  | Electronic Circuits                                      | 3            |
| ITCS   | 224  | Data Structures                                          | 3            |
| ECTE   | 224  | Signals & Systems                                        | 3            |
| ECCE   | 203  | Digital Logic                                            | 3            |
| MATH   | 223  | Linear Algebra And Complex Analysis                      | 3            |
| ECCE   | 303  | Computer Architecture And Organization                   | 3            |
| ECTE   | 314  | Communication Systems I                                  | 3            |
| ITCS   | 323  | Database Systems: Design And Application                 | 3            |
| ECTE   | 328  | Mobile Application Development                           | 3            |
| STAT   | 302  | Applied Probability                                      | 3            |
| ECTE   | 329  | Computer Networks                                        | 3            |
| ECTE   | 324  | Communication Systems Ii                                 | 3            |
| ECTE   | 322  | ANTENNA AND WAVE PROPAGATION                             | 3            |
| ECTE   | 349  | Network Routing & Switching                              | 3            |
| ETHC   | 392  | Ethics And Professional Practice In It And Engineering   | 3            |
| ECTE   | 421  | Network Design & Security                                | 3            |
| ECTE   | 450  | Digital Signal Processing                                | 3            |
| IERM   | 498  | Research Methods In Information Technology & Engineering | 3            |
| ECTE   | 406  | Multimedia Communications                                | 3            |

|              |                   |                         |           |
|--------------|-------------------|-------------------------|-----------|
| ECTE         | 424               | Wireless Communications | 3         |
| ECTE         | 499               | Major Project           | 3         |
| <b>TOTAL</b> | <b>25 COURSES</b> |                         | <b>75</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                                 | COURSE TITLE                       | CREDIT HOURS |
|--------------|--------------------------------------|------------------------------------|--------------|
| ECCE         | 413                                  | Internet Of Things                 | 3            |
| ECCE         | 424                                  | Cyber Security                     | 3            |
| ECCE         | 425                                  | Engineering Management             | 3            |
| ECTE         | 414                                  | Wan Technology                     | 3            |
| ECTE         | 454                                  | Satellite And Space Communications | 3            |
| ECTE         | 472                                  | Software-Defined Radio             | 3            |
| ECTE         | 474                                  | Optical Communications             | 3            |
| ITCS         | 409                                  | Operating Systems                  | 3            |
| ITCS         | 422                                  | Distributed Systems                | 3            |
| ITMS         | 437                                  | Cloud Services Development         | 3            |
| <b>TOTAL</b> | <b>ANY FOUR OF THE ABOVE COURSES</b> |                                    | <b>12</b>    |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE     | CREDIT HOURS |
|--------------|-----------------|------------------|--------------|
| INTR         | 462             | BSMNE Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                  | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE | COURSE TITLE                                     | CREDIT HOURS |
|--------------|------|--------------------------------------------------|--------------|
| ANTH         | 101  | Introduction To Anthropology                     | 3            |
| ARAB         | 102  | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201  | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101  | Introduction To Chinese I                        | 3            |
| CULT         | 101  | Introduction To Culture                          | 3            |
| CULT         | 102  | Islamic Culture                                  | 3            |
| ENGL         | 215  | Readings In English Literature                   | 3            |
| ENGL         | 216  | Readings Literature II                           | 3            |
| ENGL         | 218  | Workplace Writing Skills                         | 3            |
| ENGL         | 221  | Introduction To Translation                      | 3            |
| FREN         | 101  | French I                                         | 3            |
| FREN         | 102  | French II                                        | 3            |
| GERM         | 101  | German Language & Culture I                      | 3            |
| GERM         | 102  | German Language & Culture II                     | 3            |
| HIST         | 101  | Modern History of The Middle East & North Africa | 3            |
| IREL         | 101  | International Relations                          | 3            |
| KORN         | 101  | Introduction To Korean Language I                | 3            |
| KORN         | 102  | Introduction To Korean Language II               | 3            |
| LAW          | 101  | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101  | Introduction To Psychology                       | 3            |
| SOCI         | 101  | Sociology                                        | 3            |
| SOCI         | 102  | Sociology II                                     | 3            |
| SPAN         | 101  | Introduction To Spanish I                        | 3            |
| SPAN         | 102  | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> |      |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as Free Electives

**DETAILED STUDY PLAN (BSCCE)****FIRST YEAR (35 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                    |
|----------------|--------------------|------|---------------------------------------------|-----|-----|-----|-------------------------------------------------|
| FIRST SEMESTER | ARAB               | 101  | Composition for Native Speakers of Arabic I | 3   | 0   | 3   |                                                 |
|                | ENGL               | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                | ITCS               | 101  | Introduction to Computers & IT              | 2   | 2   | 3   |                                                 |
|                | MATH               | 101  | Calculus I                                  | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | PHYS               | 101  | General Physics I                           | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | STAT               | 101  | Introduction to Statistics                  | 3   | 0   | 3   | MATH 053 or passing placement test              |
|                | TOTAL PER SEMESTER |      |                                             | 18  |     |     |                                                 |

|                 | COURSE             | CODE | COURSE TITLE                           | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|----------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | ENGL               | 102  | Academic English II                    | 3   | 0   | 3   | ENGL 101     |
|                 | HIST               | 121  | Modern History of Bahrain              | 3   | 0   | 3   |              |
|                 | ITCS               | 122  | Introduction to Programming Techniques | 2   | 2   | 3   | ITCS 101     |
|                 | MATH               | 102  | Calculus II                            | 3   | 0   | 3   | MATH 101     |
|                 | PHYS               | 102  | Physics II                             | 2   | 2   | 3   | PHYS 101     |
|                 | HUMR               | 101  | Principles of Human Rights             | 2   | 0   | 2   |              |
|                 | TOTAL PER SEMESTER |      |                                        | 17  |     |     |              |

**SECOND YEAR ( 33 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                  | LEC | LAB | CRE | PREREQUISITE          |
|----------------|--------------------|------|-------------------------------|-----|-----|-----|-----------------------|
| FIRST SEMESTER | ECCE               | 201  | Electric Circuits             | 2   | 2   | 3   | PHYS 102 AND MATH 102 |
|                | ITCS               | 209  | Discrete Structures           | 3   | 0   | 3   | MATH 101              |
|                | MATH               | 205  | Differential Equations        | 3   | 0   | 3   | MATH 102              |
|                | ITCS               | 201  | Object-Oriented Programming I | 2   | 2   | 3   | ITCS 122              |
|                | ENGL               | 201  | Academic English III          | 3   | 0   | 3   | ENGL 102              |
|                | TOTAL PER SEMESTER |      |                               | 15  |     |     |                       |

|                 | COURSE             | CODE | COURSE TITLE                        | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|-------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | ECCE               | 221  | Electronic Circuits                 | 2   | 2   | 3   | ECCE 201     |
|                 | ITCS               | 224  | Data Structures                     | 2   | 2   | 3   | ITCS 201     |
|                 | ECTE               | 224  | Signals & Systems                   | 2   | 2   | 3   | MATH 205     |
|                 | ECCE               | 203  | Digital Logic                       | 2   | 2   | 3   | ITCS 101     |
|                 | MATH               | 223  | Linear Algebra and Complex Analysis | 3   | 0   | 3   | MATH 101     |
|                 | ENGL               | 210  | Technical Report Writing            | 3   | 0   | 3   | ENGL 201     |
|                 | TOTAL PER SEMESTER |      |                                     | 18  |     |     |              |

**THIRD YEAR (36 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                             | LEC | LAB | CRE | PREREQUISITE          |
|----------------|--------------------|------|------------------------------------------|-----|-----|-----|-----------------------|
| FIRST SEMESTER | ECCE               | 303  | Computer Architecture and Organization   | 2   | 2   | 3   | ECCE 203              |
|                | ECTE               | 314  | Communication Systems I                  | 2   | 2   | 3   | ECTE 224 AND ECCE 221 |
|                | ITCS               | 323  | Database Systems: Design and Application | 2   | 2   | 3   | ITCS 224              |
|                | ECTE               | 328  | Mobile Application Development           | 2   | 2   | 3   | ITCS 201 AND ITCS 224 |
|                | STAT               | 302  | Applied Probability                      | 3   | 0   | 3   | STAT 101 AND MATH 102 |
|                | ECTE               | 329  | Computer Networks                        | 2   | 2   | 3   | ECCE 203              |
|                | TOTAL PER SEMESTER |      |                                          | 18  |     |     |                       |

|                 | COURSE             | CODE | COURSE TITLE                                           | LEC | LAB | CRE | PREREQUISITE                      |
|-----------------|--------------------|------|--------------------------------------------------------|-----|-----|-----|-----------------------------------|
| SECOND SEMESTER | ECTE               | 324  | Communication Systems II                               | 2   | 2   | 3   | ECTE 314                          |
|                 | ECTE               | 322  | Antenna and Wave Propagation                           | 2   | 2   | 3   | MATH 205 AND MATH 223             |
|                 | ECTE               | 349  | Network Routing & Switching                            | 2   | 2   | 3   | ECTE 329                          |
|                 | ETHC               | 392  | Ethics and Professional Practice in IT and Engineering | 3   | 0   | 3   | Completion of at least 66 credits |
|                 | HU/SS              | XXX  | Humanities/Social Sciences                             | 3   | 0   | 3   |                                   |
|                 | TOTAL PER SEMESTER |      |                                                        | 15  |     |     |                                   |

|        | COURSE             | CODE | COURSE TITLE     | LEC | LAB | CRE | PREREQUISITE                                            |
|--------|--------------------|------|------------------|-----|-----|-----|---------------------------------------------------------|
| SUMMER | INTR               | 462  | BSMNE Internship | 0   | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
|        | TOTAL PER SEMESTER |      |                  | 3   |     |     |                                                         |

**FOURTH YEAR (30 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                             | LEC | LAB | CRE | PREREQUISITE                      |
|----------------|--------------------|------|----------------------------------------------------------|-----|-----|-----|-----------------------------------|
| FIRST SEMESTER | ECTE               | 421  | Network Design & Security                                | 2   | 2   | 3   | ECTE 349                          |
|                | ECTE               | 450  | Digital Signal Processing                                | 2   | 2   | 3   | ECTE 224                          |
|                | IERM               | 498  | Research Methods in Information Technology & Engineering | 3   | 0   | 3   | Completion of at least 90 credits |
|                | XXXX               | XXX  | Major Elective I                                         | X   | X   | 3   |                                   |
|                | XXXX               | XXX  | Major Elective II                                        | X   | X   | 3   |                                   |
|                | TOTAL PER SEMESTER |      |                                                          | 15  |     |     |                                   |

|                 | COURSE             | CODE | COURSE TITLE              | LEC | LAB | CRE | PREREQUISITE          |
|-----------------|--------------------|------|---------------------------|-----|-----|-----|-----------------------|
| SECOND SEMESTER | ECTE               | 406  | Multimedia Communications | 2   | 2   | 3   | ECTE 450              |
|                 | ECTE               | 424  | Wireless Communications   | 2   | 2   | 3   | ECTE 324 AND ECTE 322 |
|                 | ECTE               | 499  | Major Project             | 0   | 6   | 3   | IERM 498 AND ETHC 392 |
|                 | XXXX               | XXX  | Major Elective III        | X   | X   | 3   |                       |
|                 | XXXX               | XXX  | Major Elective IV         | X   | X   | 3   |                       |
|                 | TOTAL PER SEMESTER |      |                           | 15  |     |     |                       |

\* Equivalent to 6 practical hours

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                       | LEC | LAB | CRE | PREREQUISITE                      |
|--------|------|------------------------------------|-----|-----|-----|-----------------------------------|
| ECCE   | 413  | Internet of Things                 | 2   | 2   | 3   | ECCE 303 AND ECTE 329             |
| ECCE   | 424  | Cyber Security                     | 2   | 2   | 3   | STAT 302                          |
| ECCE   | 425  | Engineering Management             | 3   | 0   | 3   | Completion of at least 90 credits |
| ECTE   | 414  | WAN Technology                     | 2   | 2   | 3   | ECTE 329                          |
| ECTE   | 454  | Satellite and Space Communications | 2   | 2   | 3   | ECTE 322                          |
| ECTE   | 472  | Software-Defined Radio             | 2   | 2   | 3   | ECTE 324                          |
| ECTE   | 474  | Optical Communications             | 2   | 2   | 3   | ECTE 324                          |
| ITCS   | 409  | Operating Systems                  | 3   | 0   | 3   | ECCE 303                          |
| ITCS   | 422  | Distributed Systems                | 2   | 2   | 3   | ITCS 409                          |
| ITMS   | 437  | Cloud Services Development         | 2   | 2   | 3   | ITCS 323                          |

# COLLEGE OF INFORMATION TECHNOLOGY

The College of Information Technology was established as a constituent college of Ahlia University since it was founded in 2001. Over the last few years, the College has seen a remarkable growth in several critical areas, including student enrolment, number of well-qualified faculty members with international experience, research, and well-designed academic programme offerings. Underlying all our College growth and development is a commitment to student learning and to ensure a continuous improvement process to deliver high quality education to our students in accordance with international standards and in tune with the local needs of the industry and business. The College aims to produce high quality professionals in the field of information technology and computer science to enable them to excel in their fields of work and make a significant and valuable contribution to society. Therefore, our programmes apply a hands-on, reality-based approach to education that allows students to apply what they learn in class to solve real-life problems. Our teaching philosophy and problem-solving-based learning process prepare students to become innovators and leaders of the future.

The College offers four-degree programmes: Bachelor's Degree in Information Technology (BSIT), Bachelor's Degree in Multimedia Systems (BSMS), Master's Degree in Information Technology and Computer Science (MITCS) and Doctor of Philosophy (PHD-WR) in Information Systems, Computing, Mathematics and related fields offered by Brunel University. We are proud to announce that BSIT programme is internationally accredited by the Computing Accreditation Commission of ABET, the global accreditor of college and university programmes in applied and natural science, computing engineering and engineering technology. All the College programmes have received full confidence in reviews conducted by the Education and Training Quality Authority (BQA), Kingdom of Bahrain. All College programmes are validated and placed on the National Qualifications Framework (NQF).

## Our vision

To be a regional leader and an outstanding international centre of excellence in education, research and professional development in Information Technology.

## OUR MISSION

"As a core constituency of the leading institution for higher education, College of Information Technology's Mission is to move forward in providing society with quality services, education and research in the field of Information Technology".

In support of this mission, the College of Information Technology is committed to:

- To provide high quality undergraduate and postgraduate educational programmes
- To prepare competent qualified graduates in the areas of Information Technology.
- To prepare highly competent professionals to be tomorrow's leaders.
- To provide high quality services, expertise, and resources to society in the form of projects, training and consultation.
- To conduct innovative computing research that advances the frontiers of knowledge and applied state-of-the-art solutions to local problems.

## OUR GOALS

- To provide high quality educational programmes that offer lifelong learning in developing and managing computational processes and systems, with emphasis on multimedia computing, information systems and technology.
- To periodically revise the programmes offered by the college to meet the current international standards and to satisfy the market needs.
- To provide a student-centred integrated educational environment.
- To continuously build and modernize college infrastructure including computing facilities and laboratories.
- To attract highly qualified, motivated and greatly committed faculty.
- To attract and nurture qualified undergraduate and graduate students
- To prepare competent qualified graduates in the areas of Information Technology.
- To create and encourage partnership with industry, government, local/international institutions and alumni.
- To encourage faculty to indulge in research activities that serve and sustain local and regional economic development.
- To motivate students to be sensitive to issues such as ethics, social responsibilities and environmental protection.

## BACHELOR'S DEGREE IN MULTIMEDIA SYSTEMS (BSMS)

### OVERVIEW

This degree is designed to provide the students with knowledge and learning in the various areas of Multimedia. It is aimed to provide students with critical competences and cutting edge skills of core multimedia, computer interaction, web programming, web design, 3D Design and animation, video processing, audio processing and graphic design, game development & digital marketing technologies.

It is also targeted to enable students to critically analyze, identify, and solve real world multimedia problems; to design, implement, and evaluate a complete multimedia system to meet desired needs.

Moreover, the students acquire skills to manage multimedia effectively and integrate the multimedia systems into the user environment. It is also targeted that the students acquire an ability of a keen appreciation to demonstrate, professionalism and ethical behavior, including responsible teamwork, creativity and communication skills with professional attitudes, and be prepared for the complexity of the actual work environment and life-long learning.

## PROGRAMME FACTS

- The programme is of 4 years duration.
- The programme is taught in English Language
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme achieved “Confidence” twice in (2014 & 2021) by The Education and Training Quality Authority, Kingdom of Bahrain.
- The programme is placed on National Qualifications Framework (NQF) in (2018) Reference Q16-014 Level 8.
- The programme offers a great opportunity for self-development through internship and study abroad.

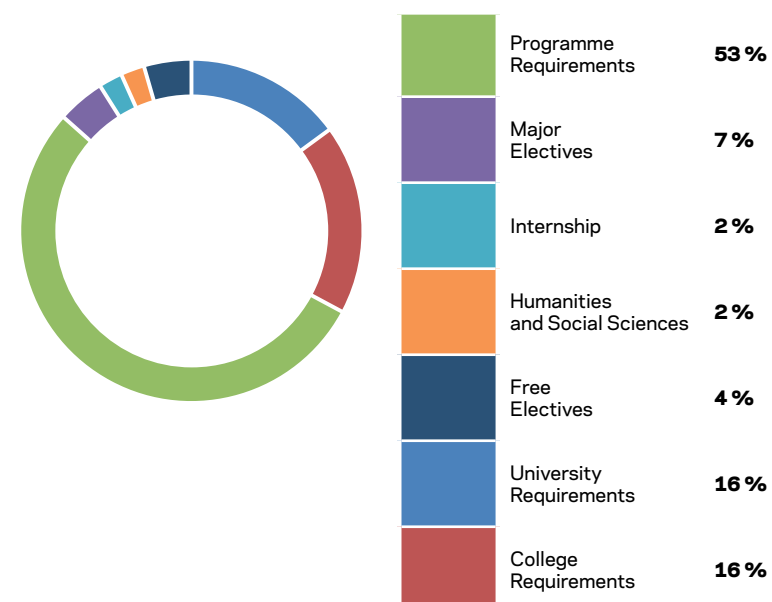
## PROGRAMME AIMS

The aim of the programme is:

- To provide a high quality undergraduate educational programme in Multimedia Systems needed for their career opportunities or postgraduate education.
- To enable students to critically analyse, identify and solve real-world problems; to design, implement, and evaluate a multimedia system, or component, to meet desired needs.
- To instil in students a keen appreciation of and to demonstrate professionalism and ethical behaviour. This includes responsible teamwork, creativity and communication skills with professional attitudes and to prepare them for the complex actual work environment and for life-long learning.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 21                  | 7              |
| Programme Requirements         | 72                  | 24             |
| Major Electives                | 9                   | 3              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |





## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & IT              | 3            |
| ENGL         | 102              | Academic English Ii                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History Of Bahrain                   | 3            |
| STAT         | 101              | Introduction Of Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                          | CREDIT HOURS |
|--------------|------------------|---------------------------------------|--------------|
| MATH         | 101              | Calculus I                            | 3            |
| ENGL         | 201              | Academic English III                  | 3            |
| ITCS         | 122              | Introduction To Programming Techiques | 3            |
| ITCS         | 209              | Discrete Structures                   | 3            |
| MATH         | 102              | Calculus II                           | 3            |
| PHYS         | 101              | General Physics I                     | 3            |
| ENGL         | 202              | Academic English IV                   | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                       | <b>21</b>    |

## PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                             | CREDIT HOURS |
|--------|------|----------------------------------------------------------|--------------|
| ITCS   | 201  | Object-Oriented Programming I                            | 3            |
| ITMS   | 201  | Introduction To Multimedia Systems                       | 3            |
| ITMS   | 205  | Internet Applications And Services                       | 3            |
| ITCS   | 214  | Computer Systems                                         | 3            |
| ITCS   | 221  | Object Oriented Programming Ii                           | 3            |
| ITCS   | 222  | Visual Programming                                       | 3            |
| ITCS   | 224  | Data Structures                                          | 3            |
| ITMS   | 313  | Game Development I                                       | 3            |
| ITMS   | 302  | Human Computer Interaction                               | 3            |
| ITCS   | 323  | Database Systems: Design And Application                 | 3            |
| ITMS   | 307  | Multimedia Softwares I                                   | 3            |
| ETHC   | 392  | Ethics And Professional Practice In It And Engineering   | 3            |
| ITMS   | 325  | Web Applications Design                                  | 3            |
| ITMS   | 327  | Multimedia Softwares Ii                                  | 3            |
| ITMS   | 335  | Web Programming I                                        | 3            |
| ECTE   | 329  | Computer Networks                                        | 3            |
| ITCS   | 409  | Operating Systems                                        | 3            |
| ITMS   | 426  | 3D Graphics Softwares                                    | 3            |
| ITCS   | 427  | Mobile Computing                                         | 3            |
| IERM   | 498  | Research Methods In Information Technology & Engineering | 3            |
| ITMS   | 432  | Game Development II                                      | 3            |
| ITMS   | 436  | Multimedia Applications                                  | 3            |
| ITMS   | 421  | Web Programming II                                       | 3            |

|              |                   |               |           |
|--------------|-------------------|---------------|-----------|
| ITMS         | 499               | Major Project | 3         |
| <b>TOTAL</b> | <b>24 COURSES</b> |               | <b>72</b> |

### MAJOR ELECTIVES

| COURSE       | CODE                                  | COURSE TITLE                             | CREDIT HOURS |
|--------------|---------------------------------------|------------------------------------------|--------------|
| ITCS         | 422                                   | Distributed Systems                      | 3            |
| ITCS         | 431                                   | Introduction To Data Analytics           | 3            |
| ITCS         | 452                                   | Advanced Mobile Computing                | 3            |
| ITMS         | 341                                   | Digital Marketing Technologies           | 3            |
| ITMS         | 347                                   | Video Post-Production                    | 3            |
| ITMS         | 350                                   | Desktop Publishing                       | 3            |
| ITMS         | 435                                   | Web Programming III                      | 3            |
| ITMS         | 437                                   | Cloud Services Development               | 3            |
| ITMS         | 445                                   | Modelling And Animating Characters In 3D | 3            |
| <b>TOTAL</b> | <b>ANY THREE OF THE ABOVE COURSES</b> |                                          | <b>9</b>     |

### INTERNSHIP

| COURSE       | CODE            | COURSE TITLE    | CREDIT HOURS |
|--------------|-----------------|-----------------|--------------|
| INTR         | 464             | BSMS Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                 | <b>3</b>     |

### HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE | COURSE TITLE                                     | CREDIT HOURS |
|--------------|------|--------------------------------------------------|--------------|
| ANTH         | 101  | Introduction To Anthropology                     | 3            |
| ARAB         | 102  | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201  | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101  | Introduction To Chinese I                        | 3            |
| CULT         | 101  | Introduction To Culture                          | 3            |
| CULT         | 102  | Islamic Culture                                  | 3            |
| ENGL         | 215  | Readings In English Literature                   | 3            |
| ENGL         | 216  | Readings Literature II                           | 3            |
| ENGL         | 218  | Workplace Writing Skills                         | 3            |
| ENGL         | 221  | Introduction To Translation                      | 3            |
| FREN         | 101  | French I                                         | 3            |
| FREN         | 102  | French II                                        | 3            |
| GERM         | 101  | German Language & Culture I                      | 3            |
| GERM         | 102  | German Language & Culture II                     | 3            |
| HIST         | 101  | Modern History of The Middle East & North Africa | 3            |
| IREL         | 101  | International Relations                          | 3            |
| KORN         | 101  | Introduction To Korean Language I                | 3            |
| KORN         | 102  | Introduction To Korean Language II               | 3            |
| LAW          | 101  | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101  | Introduction To Psychology                       | 3            |
| SOCI         | 101  | Sociology                                        | 3            |
| SOCI         | 102  | Sociology II                                     | 3            |
| SPAN         | 101  | Introduction To Spanish I                        | 3            |
| SPAN         | 102  | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> |      |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as Free Electives

**DETAILED STUDY PLAN (BSMS)****FIRST YEAR (32 CREDITS)**

| FIRST SEMESTER            | COURSE | CODE | COURSE TITLE                                | LEC       | LAB | CRE | PREREQUISITE                                    |
|---------------------------|--------|------|---------------------------------------------|-----------|-----|-----|-------------------------------------------------|
|                           | ARAB   | 101  | Composition For Native Speakers of Arabic 1 | 3         | 0   | 3   |                                                 |
|                           | ENGL   | 101  | Academic English I                          | 3         | 0   | 3   | ENGL 052 AND ENGL 055 or passing placement test |
|                           | ITCS   | 101  | Introduction To Computers & IT              | 2         | 2   | 3   |                                                 |
|                           | MATH   | 101  | Calculus 1                                  | 3         | 0   | 3   | MATH 053 or passing placement test              |
|                           | HUMR   | 101  | Principles Of Human Rights                  | 2         | 0   | 2   |                                                 |
|                           | PHYS   | 101  | General Physics I                           | 3         | 0   | 3   | MATH 053 or passing placement test              |
| <b>TOTAL PER SEMESTER</b> |        |      |                                             | <b>17</b> |     |     |                                                 |

| SECOND SEMESTER           | COURSE | CODE | COURSE TITLE                           | LEC       | LAB | CRE | PREREQUISITE                       |
|---------------------------|--------|------|----------------------------------------|-----------|-----|-----|------------------------------------|
|                           | ENGL   | 102  | Academic English II                    | 3         | 0   | 3   | ENGL 101                           |
|                           | HIST   | 121  | Modern History of Bahrain              | 3         | 0   | 3   |                                    |
|                           | ITCS   | 122  | Introduction To Programming Techniques | 2         | 2   | 3   | ITCS 101                           |
|                           | MATH   | 102  | Calculus II                            | 3         | 0   | 3   | MATH 101                           |
|                           | STAT   | 101  | Introduction To Statistics             | 3         | 0   | 3   | MATH 053 or passing placement test |
| <b>TOTAL PER SEMESTER</b> |        |      |                                        | <b>15</b> |     |     |                                    |

**SECOND YEAR (33 CREDITS)**

| FIRST SEMESTER            | COURSE | CODE | COURSE TITLE                       | LEC       | LAB | CRE | PREREQUISITE |
|---------------------------|--------|------|------------------------------------|-----------|-----|-----|--------------|
|                           | ENGL   | 201  | Academic English III               | 3         | 0   | 3   | ENGL 102     |
|                           | ITCS   | 201  | Object-Oriented Programming I      | 2         | 2   | 3   | ITCS 122     |
|                           | XXXX   | XXX  | Free Elective I                    | X         | X   | 3   |              |
|                           | ITCS   | 209  | Discrete Structures                | 3         | 0   | 3   | MATH 102     |
|                           | ITMS   | 201  | Introduction To Multimedia Systems | 3         | 0   | 3   | ITCS 101     |
| <b>TOTAL PER SEMESTER</b> |        |      |                                    | <b>15</b> |     |     |              |

| SECOND SEMESTER           | COURSE | CODE | COURSE TITLE                      | LEC       | LAB | CRE | PREREQUISITE |
|---------------------------|--------|------|-----------------------------------|-----------|-----|-----|--------------|
|                           | ENGL   | 202  | Academic English IV               | 3         | 0   | 3   | ENGL 201     |
|                           | ITMS   | 205  | Internet Application and Services | 2         | 2   | 3   | ITCS 101     |
|                           | ITCS   | 214  | Computer Systems                  | 3         | 0   | 3   | ITCS 101     |
|                           | ITCS   | 221  | Object Oriented Programming II    | 2         | 2   | 3   | ITCS 201     |
|                           | ITCS   | 222  | Visual Programming                | 2         | 2   | 3   | ITCS 122     |
|                           | ITCS   | 224  | Data Structures                   | 2         | 2   | 3   | ITCS 201     |
| <b>TOTAL PER SEMESTER</b> |        |      |                                   | <b>18</b> |     |     |              |

**THIRD YEAR (36 CREDITS)**

| FIRST SEMESTER            | COURSE | CODE | COURSE TITLE                             | LEC       | LAB | CRE | PREREQUISITE          |
|---------------------------|--------|------|------------------------------------------|-----------|-----|-----|-----------------------|
|                           | ITMS   | 313  | Game Development I                       | 2         | 2   | 3   | ITCS 221 AND ITCS 209 |
|                           | ITMS   | 302  | Human Computer Interaction (HCL)         | 2         | 2   | 3   | ITCS 222              |
|                           | ITCS   | 323  | Database Systems: Design and Application | 2         | 2   | 3   | ITCS 222              |
|                           | ITMS   | 307  | Multimedia Softwares I                   | 2         | 2   | 3   | ITMS 201              |
|                           | HU/SS  | XXX  | Humanities/ Social Sciences              | 3         | 0   | 3   |                       |
| <b>TOTAL PER SEMESTER</b> |        |      |                                          | <b>15</b> |     |     |                       |

| SECOND SEMESTER | COURSE                    | CODE              | COURSE TITLE                                           | LEC | LAB       | CRE      | PREREQUISITE                      |
|-----------------|---------------------------|-------------------|--------------------------------------------------------|-----|-----------|----------|-----------------------------------|
|                 | ETHC                      | 392               | Ethics and Professional Practice in IT and Engineering | 3   | 0         | 3        | Completion of at least 66 credits |
|                 | ITMS                      | 325               | Web Applications Design                                | 2   | 2         | 3        | ITMS 205                          |
|                 | ITMS                      | 327               | Multimedia Softwares II                                | 2   | 2         | 3        | ITMS 307                          |
|                 | ITMS                      | 335               | Web Programming I                                      | 2   | 2         | 3        | ITMS 205                          |
|                 | ITMS                      | 3XX               | Major Elective I                                       | 2   | 2         | 3        |                                   |
| ECTE            | 329                       | Computer Networks | 2                                                      | 2   | 3         | ITCS 214 |                                   |
|                 | <b>TOTAL PER SEMESTER</b> |                   |                                                        |     | <b>18</b> |          |                                   |

| SUMMER                    | COURSE | CODE | COURSE TITLE    | LEC      | LAB | CRE | PREREQUISITE                                            |
|---------------------------|--------|------|-----------------|----------|-----|-----|---------------------------------------------------------|
|                           | INTR   | 464  | BSMS Internship | 0        | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
| <b>TOTAL PER SEMESTER</b> |        |      |                 | <b>3</b> |     |     |                                                         |

**FOURTH YEAR (33 CREDITS)**

| FIRST SEMESTER            | COURSE  | CODE | COURSE TITLE                                             | LEC       | LAB | CRE | PREREQUISITE                      |
|---------------------------|---------|------|----------------------------------------------------------|-----------|-----|-----|-----------------------------------|
|                           | ITCS    | 409  | Operating Systems                                        | 3         | 0   | 3   | ITCS 214 OR ECCE 303              |
|                           | ITMS    | 426  | 3D Graphics Softwares                                    | 2         | 2   | 3   | ITMS 327                          |
|                           | ITCS    | 427  | Mobile Computing                                         | 2         | 2   | 3   | ITCS 221 AND ECTE 329             |
|                           | IERM    | 498  | Research Methods in Information Technology & Engineering | 3         | 0   | 3   | Completion of at least 90 credits |
|                           | ITMS/CS | 4XX  | Major Elective II                                        | 2         | 2   | 3   |                                   |
|                           | XXXX    | XXX  | Free Elective II                                         | X         | X   | 3   |                                   |
| <b>TOTAL PER SEMESTER</b> |         |      |                                                          | <b>18</b> |     |     |                                   |

| SECOND SEMESTER           | COURSE  | CODE | COURSE TITLE            | LEC       | LAB | CRE | PREREQUISITE          |
|---------------------------|---------|------|-------------------------|-----------|-----|-----|-----------------------|
|                           | ITMS    | 432  | Game Development II     | 2         | 2   | 3   | ITMS 313              |
|                           | ITMS    | 436  | Multimedia Applications | 2         | 2   | 3   | ITMS 426              |
|                           | ITMS/CS | 4XX  | Major Elective III      | 2         | 2   | 3   |                       |
|                           | ITMS    | 421  | Web Programming II      | 2         | 2   | 3   | ITMS 335              |
|                           | ITMS    | 499  | Major Project           | 0         | 6   | 3   | IERM 498 AND ETHC 392 |
| <b>TOTAL PER SEMESTER</b> |         |      |                         | <b>15</b> |     |     |                       |

## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                             | LEC | LAB | CRE | PREREQUISITE |
|--------|------|------------------------------------------|-----|-----|-----|--------------|
| ITCS   | 422  | Distributed Systems                      | 2   | 2   | 3   | ITCS 409     |
| ITCS   | 431  | Introduction To Data Analytics           | 2   | 2   | 3   | ITCS 323     |
| ITCS   | 452  | Advanced Mobile Computing                | 2   | 2   | 3   | ITCS 427     |
| ITMS   | 341  | Digital Marketing Technologies           | 2   | 2   | 3   | ITMS 325     |
| ITMS   | 347  | Video Post-Production                    | 2   | 2   | 3   | ITMS 327     |
| ITMS   | 350  | Desktop Publishing                       | 2   | 2   | 3   | ITMS 327     |
| ITMS   | 435  | Web Programming III                      | 2   | 2   | 3   | ITMS 421     |
| ITMS   | 437  | Cloud Services Development               | 2   | 2   | 3   | ITMS 435     |
| ITMS   | 445  | Modelling And Animating Characters in 3D | 2   | 2   | 3   | ITMS 426     |

## BACHELOR'S DEGREE IN INFORMATION TECHNOLOGY (BSIT)

### OVERVIEW

This degree is designed to provide the students with knowledge and learning in the various areas of Information Technology. It is aimed to provide students with critical competencies and cutting-edge skills in core information technologies of human computer interaction, information management, programming, networking, software engineering, databases, system administration and web systems and technologies.

It is also targeted to enable students to critically analyse, identify and solve real-world problems; to design, implement, and evaluate a computer-based system, process, component, or programme to meet desired needs.

Moreover, the students acquire skills to manage information effectively and integrate IT based solutions into the user environment. It is also targeted that the students acquire an ability of a keen appreciation to demonstrate, professionalism and ethical behaviour, including responsible teamwork, creativity and communication skills with professional attitudes, and be prepared for the complexity of the actual work environment and life-long learning.

## PROGRAMME FACTS

- The programme is of 4 years duration.
- The programme is taught in English Language.
- The programme consists of 134 credit hours covering 45 courses.
- The programme is accredited by Higher Education Council.
- The programme is in accordance with international standards ODBA 4,3,2,1(Oracle database administration) & CompTIA A+1 and 2 (System Administration)
- The programme achieved "Confidence" twice in (2014 & 2021) by the Education and Training Quality Authority.
- The programme is placed on National Qualifications Framework (NQF) Level 8 in (2017) Reference Q16-013.
- The programme offers a great opportunity for self-development through internship and existing international exchange programme.

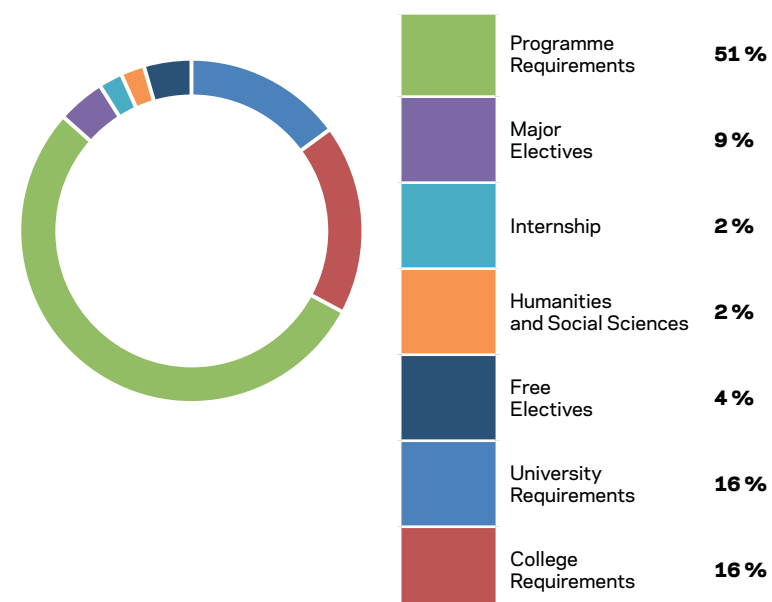
## PROGRAMME AIMS

The aim of the programme is to:

- Exhibit the relevant skills and knowledge for pursuing the Information Technology (IT) career in industry including corporate as well as government sectors.
- Pursue life-long learning leading to entrepreneurship, research and development.
- Contribute to the society through their ethical and professional norms by demonstrating them in IT professions.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 21                  | 7              |
| Programme Requirements         | 69                  | 23             |
| Major Electives                | 12                  | 4              |
| Internship                     | 3                   | 1              |
| Humanities And Social Sciences | 3                   | 1              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>134</b>          | <b>45</b>      |



## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & IT              | 3            |
| ENGL         | 102              | Academic English II                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History Of Bahrain                   | 3            |
| STAT         | 101              | Introduction Of Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                           | CREDIT HOURS |
|--------------|------------------|----------------------------------------|--------------|
| MATH         | 101              | Calculus I                             | 3            |
| ENGL         | 201              | Academic English III                   | 3            |
| ITCS         | 122              | Introduction To Programming Techniques | 3            |
| ITCS         | 209              | Discrete Structures                    | 3            |
| MATH         | 102              | Calculus II                            | 3            |
| PHYS         | 101              | General Physics I                      | 3            |
| ENGL         | 202              | Academic English IV                    | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                        | <b>21</b>    |

## PROGRAMME REQUIREMENTS

| COURSE       | CODE              | COURSE TITLE                                             | CREDIT HOURS |
|--------------|-------------------|----------------------------------------------------------|--------------|
| MATH         | 202               | Calculus Iii                                             | 3            |
| ITCS         | 201               | Object-Oriented Programming I                            | 3            |
| ITMS         | 205               | Internet Applications And Services                       | 3            |
| ITCS         | 221               | Object-Oriented Programming II                           | 3            |
| ITCS         | 214               | Computer Systems                                         | 3            |
| ITCS         | 222               | Visual Programming                                       | 3            |
| ITCS         | 224               | Data Structures                                          | 3            |
| ITCS         | 313               | Software Engineering I                                   | 3            |
| ITCS         | 323               | Database Systems: Design And Application                 | 3            |
| ITMS         | 302               | Human Computer Interaction                               | 3            |
| ETHC         | 392               | Ethics And Professional Practice In It And Engineering   | 3            |
| ITCS         | 327               | Software Engineering II                                  | 3            |
| ECTE         | 329               | Computer Networks                                        | 3            |
| ITCS         | 336               | Database Administration I                                | 3            |
| ITCS         | 404               | Information Security Engineering                         | 3            |
| ITCS         | 401               | Software Project Management                              | 3            |
| ITCS         | 409               | Operating Systems                                        | 3            |
| IERM         | 498               | Research Methods In Information Technology & Engineering | 3            |
| ITMA         | 401               | E-Commerce                                               | 3            |
| ITCS         | 425               | Web Engineering                                          | 3            |
| ITCS         | 422               | Distributed Systems                                      | 3            |
| ITCS         | 427               | Mobile Computing                                         | 3            |
| ITCS         | 499               | Major Project                                            | 3            |
| <b>TOTAL</b> | <b>23 COURSES</b> |                                                          | <b>69</b>    |

**MAJOR ELECTIVES**

| COURSE       | CODE                                 | COURSE TITLE                      | CREDIT HOURS |
|--------------|--------------------------------------|-----------------------------------|--------------|
| ECTE         | 421                                  | Network Design & Security         | 3            |
| ITCS         | 303                                  | Design And Analysis Of Algorithms | 3            |
| ITCS         | 335                                  | It Infrastructure                 | 3            |
| ITCS         | 341                                  | System Administration I           | 3            |
| ITCS         | 413                                  | Intelligent Systems               | 3            |
| ITCS         | 435                                  | Database Administration II        | 3            |
| ITCS         | 441                                  | System Administration II          | 3            |
| ITCS         | 442                                  | Virtualization                    | 3            |
| ITCS         | 443                                  | Security Services                 | 3            |
| ITCS         | 444                                  | Cloud Services Implementation     | 3            |
| ITMS         | 351                                  | Graphics And Multimedia           | 3            |
| <b>TOTAL</b> | <b>ANY FOUR OF THE ABOVE COURSES</b> |                                   | <b>12</b>    |

**INTERNSHIP**

| COURSE       | CODE            | COURSE TITLE    | CREDIT HOURS |
|--------------|-----------------|-----------------|--------------|
| INTR         | 463             | BSIT Internship | 3            |
| <b>TOTAL</b> | <b>1 COURSE</b> |                 | <b>3</b>     |

**HUMANITIES AND SOCIAL SCIENCES**

| COURSE       | CODE | COURSE TITLE                                     | CREDIT HOURS |
|--------------|------|--------------------------------------------------|--------------|
| ANTH         | 101  | Introduction To Anthropology                     | 3            |
| ARAB         | 102  | Composition For Native Speakers Of Arabic II     | 3            |
| ARAB         | 201  | Introduction To Modern Arabic Literature         | 3            |
| CHIN         | 101  | Introduction To Chinese I                        | 3            |
| CULT         | 101  | Introduction To Culture                          | 3            |
| CULT         | 102  | Islamic Culture                                  | 3            |
| ENGL         | 215  | Readings In English Literature                   | 3            |
| ENGL         | 216  | Readings Literature II                           | 3            |
| ENGL         | 218  | Workplace Writing Skills                         | 3            |
| ENGL         | 221  | Introduction To Translation                      | 3            |
| FREN         | 101  | French I                                         | 3            |
| FREN         | 102  | French II                                        | 3            |
| GERM         | 101  | German Language & Culture I                      | 3            |
| GERM         | 102  | German Language & Culture II                     | 3            |
| HIST         | 101  | Modern History of The Middle East & North Africa | 3            |
| IREL         | 101  | International Relations                          | 3            |
| KORN         | 101  | Introduction To Korean Language I                | 3            |
| KORN         | 102  | Introduction To Korean Language II               | 3            |
| LAW          | 101  | Introduction To Legal Systems & Legal Reasoning  | 3            |
| PSYC         | 101  | Introduction To Psychology                       | 3            |
| SOCI         | 101  | Sociology                                        | 3            |
| SOCI         | 102  | Sociology II                                     | 3            |
| SPAN         | 101  | Introduction To Spanish I                        | 3            |
| SPAN         | 102  | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> |      |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as **Free Electives**

**DETAILED STUDY PLAN (BSMS)****FIRST YEAR (32 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                                | LEC       | LAB | CRE | PREREQUISITE                                    |
|----------------|---------------------------|------|---------------------------------------------|-----------|-----|-----|-------------------------------------------------|
|                | ARAB                      | 101  | Composition For Native Speakers of Arabic 1 | 3         | 0   | 3   |                                                 |
|                | ENGL                      | 101  | Academic English I                          | 3         | 0   | 3   | ENGL 052 AND ENGL 055 or Passing Placement Test |
|                | ITCS                      | 101  | Introduction To Computers & It              | 2         | 2   | 3   |                                                 |
|                | MATH                      | 101  | Calculus 1                                  | 3         | 0   | 3   | MATH 053 or Passing Placement Test              |
|                | HUMR                      | 101  | Principles of Human Rights                  | 2         | 0   | 2   |                                                 |
|                | PHYS                      | 101  | General Physics I                           | 3         | 0   | 3   | MATH 053 or Passing Placement Test              |
|                | <b>TOTAL PER SEMESTER</b> |      |                                             | <b>17</b> |     |     |                                                 |

| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE                           | LEC       | LAB | CRE | PREREQUISITE                       |
|-----------------|---------------------------|------|----------------------------------------|-----------|-----|-----|------------------------------------|
|                 | ENGL                      | 102  | Academic English II                    | 3         | 0   | 3   | ENGL 101                           |
|                 | HIST                      | 121  | Modern History of Bahrain              | 3         | 0   | 3   |                                    |
|                 | ITCS                      | 122  | Introduction To Programming Techniques | 2         | 2   | 3   | ITCS 101                           |
|                 | MATH                      | 102  | Calculus II                            | 3         | 0   | 3   | MATH 101                           |
|                 | STAT                      | 101  | Introduction To Statistics             | 3         | 0   | 3   | MATH 053 or Passing Placement Test |
|                 | <b>TOTAL PER SEMESTER</b> |      |                                        | <b>15</b> |     |     |                                    |

**SECOND YEAR (33 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                       | LEC       | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|------------------------------------|-----------|-----|-----|--------------|
|                | ENGL                      | 201  | Academic English III               | 3         | 0   | 3   | ENGL 102     |
|                | MATH                      | 202  | Calculus III                       | 3         | 0   | 3   | MATH 102     |
|                | ITCS                      | 201  | Object-Oriented Programming I      | 2         | 2   | 3   | ITCS 122     |
|                | XXXX                      | XXX  | Free Elective I                    | 3         | 0   | 3   |              |
|                | ITCS                      | 209  | Discrete Structures                | 3         | 0   | 3   | MATH 102     |
|                | ITMS                      | 205  | Internet Applications and Services | 2         | 2   | 3   | ITCS 101     |
|                | <b>TOTAL PER SEMESTER</b> |      |                                    | <b>18</b> |     |     |              |

| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE                   | LEC       | LAB | CRE | PREREQUISITE |
|-----------------|---------------------------|------|--------------------------------|-----------|-----|-----|--------------|
|                 | ENGL                      | 202  | Academic English IV            | 3         | 0   | 3   | ENGL 201     |
|                 | ITCS                      | 221  | Object-Oriented Programming II | 2         | 2   | 3   | ITCS 201     |
|                 | ITCS                      | 214  | Computer Systems               | 3         | 0   | 3   | ITCS 101     |
|                 | ITCS                      | 222  | Visual Programming             | 2         | 2   | 3   | ITCS 122     |
|                 | ITCS                      | 224  | Data Structures                | 2         | 2   | 3   | ITCS 201     |
|                 | <b>TOTAL PER SEMESTER</b> |      |                                | <b>15</b> |     |     |              |

**THIRD YEAR (36 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                             | LEC       | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|------------------------------------------|-----------|-----|-----|--------------|
|                | ITCS/MS                   | 3XX  | Major Elective I                         | 2         | 2   | 3   |              |
|                | ITCS                      | 313  | Software Engineering I                   | 2         | 2   | 3   | ITCS 201     |
|                | ITCS                      | 323  | Database Systems: Design and Application | 2         | 2   | 3   | ITCS 222     |
|                | ITMS                      | 302  | Human Computer Interaction               | 2         | 2   | 3   | ITCS 222     |
|                | HU/SS                     | XXX  | Humanities/ Social Sciences              | 3         | 0   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |                                          | <b>15</b> |     |     |              |

| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE                                           | LEC       | LAB | CRE | PREREQUISITE                      |
|-----------------|---------------------------|------|--------------------------------------------------------|-----------|-----|-----|-----------------------------------|
|                 | ETHC                      | 392  | Ethics And Professional Practice in IT and Engineering | 3         | 0   | 3   | Completion of at least 66 credits |
|                 | ITCS                      | 327  | Software Engineering II                                | 3         | 0   | 3   | ITCS 313                          |
|                 | ECTE                      | 329  | Computer Networks                                      | 2         | 2   | 3   | ITCS 214                          |
|                 | ITCS                      | 336  | Database Administration I                              | 2         | 2   | 3   | ITCS 323                          |
|                 | ITCS/MS                   | 3XX  | Major Elective II                                      | 2         | 2   | 3   |                                   |
|                 | XXXX                      | XXX  | Free Elective II                                       | X         | X   | 3   |                                   |
|                 | <b>TOTAL PER SEMESTER</b> |      |                                                        | <b>18</b> |     |     |                                   |

| SUMMER | COURSE                    | CODE | COURSE TITLE    | LEC      | LAB | CRE | PREREQUISITE                                            |
|--------|---------------------------|------|-----------------|----------|-----|-----|---------------------------------------------------------|
|        | INTR                      | 463  | BSIT Internship | 0        | 0   | 3   | Completion of at least 90 credits And Minimum CGPA 2.00 |
|        | <b>TOTAL PER SEMESTER</b> |      |                 | <b>3</b> |     |     |                                                         |

**FOURTH YEAR (33 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                                             | LEC       | LAB | CRE | PREREQUISITE                      |
|----------------|---------------------------|------|----------------------------------------------------------|-----------|-----|-----|-----------------------------------|
|                | ITCS                      | 404  | Information Security Engineering                         | 2         | 2   | 3   | ITCS 327                          |
|                | ITCS                      | 401  | Software Project Management                              | 2         | 2   | 3   | ITCS 327                          |
|                | ITCS                      | 409  | Operating Systems                                        | 3         | 0   | 3   | ITCS 214                          |
|                | IERM                      | 498  | Research Methods in Information Technology & Engineering | 3         | 0   | 3   | Completion of at Least 90 Credits |
|                | ITCS/ECTE                 | 4XX  | Major Elective III                                       | 2         | 2   | 3   |                                   |
|                | ITMA                      | 401  | E-Commerce                                               | 3         | 0   | 3   | ITCS 101                          |
|                | <b>TOTAL PER SEMESTER</b> |      |                                                          | <b>18</b> |     |     |                                   |

| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE        | LEC       | LAB | CRE | PREREQUISITE          |
|-----------------|---------------------------|------|---------------------|-----------|-----|-----|-----------------------|
|                 | ITCS                      | 425  | Web Engineering     | 2         | 2   | 3   | ITMS 205 AND ITCS 327 |
|                 | ITCS                      | 422  | Distributed Systems | 2         | 2   | 3   | ITCS 409              |
|                 | ITCS/ECTE                 | 4XX  | Major Elective IV   | 2         | 2   | 3   |                       |
|                 | ITCS                      | 427  | Mobile Computing    | 2         | 2   | 3   | ECTE 329 AND ITCS 221 |
|                 | ITCS                      | 499  | Major Project       | 0         | 6   | 3   | IERM 498 AND ETHC 392 |
|                 | <b>TOTAL PER SEMESTER</b> |      |                     | <b>15</b> |     |     |                       |



## LIST OF MAJOR ELECTIVE COURSES

| COURSE | CODE | COURSE TITLE                      | LEC | LAB | CRE | PREREQUISITE          |
|--------|------|-----------------------------------|-----|-----|-----|-----------------------|
| ECTE   | 421  | Network Design & Security         | 2   | 2   | 3   | ECTE 329              |
| ITCS   | 303  | Design and Analysis of Algorithms | 2   | 2   | 3   | ITCS 224 AND ITCS 209 |
| ITCS   | 335  | It Infrastructure                 | 2   | 2   | 3   | ITCS 214              |
| ITCS   | 341  | System Administration I           | 2   | 2   | 3   | ITCS 214              |
| ITCS   | 413  | Intelligent Systems               | 2   | 2   | 3   | ITCS 303              |
| ITCS   | 435  | Database Administration II        | 2   | 2   | 3   | ITCS 336              |
| ITCS   | 441  | System Administration II          | 2   | 2   | 3   | ITCS 341              |
| ITCS   | 442  | Virtualization                    | 2   | 2   | 3   | ITCS 335              |
| ITCS   | 443  | Security Services                 | 2   | 2   | 3   | ITCS 404              |
| ITCS   | 444  | Cloud Services Implementation     | 2   | 2   | 3   | ITCS 442              |
| ITMS   | 351  | Graphics And Multimedia           | 2   | 2   | 3   | ITMS 205              |

## MASTER'S DEGREE IN INFORMATION TECHNOLOGY AND COMPUTER SCIENCE (MITCS)

### OVERVIEW

Advanced Information Technology (IT) and Computer Science (CS) knowledge and skills are needed for industry and related fields of research. Since 2003, the Department of IT has offered a Master's Degree in Information Technology and Computer Science (MITCS).

The MITCS programme covers advanced theoretical and practical concepts with a view to developing in its Master's degree candidates a broad range of skills spanning software engineering, information systems, networking and security and distributed systems and multimedia.

The landscape of Information Technology is rapidly changing as the computing field continues to evolve at an astonishing pace and new technologies are continually introduced, therefore, the MITCS programme is kept up-to-date by continuous review to address current developments in computing technologies and support graduate employability.

## PROGRAMME FACTS

- The programme is of 2 years duration.
- The programme is taught in English Language
- The programme consists of 36 credit hours
- The programme achieved “Confidence” three times in (2010, 2014 & 2021) by The Education and Training Quality Authority.
- The programme is placed on National Qualification Framework (NQF) Level 9 in (2016) Reference Q15-008.

## PROGRAMME AIMS

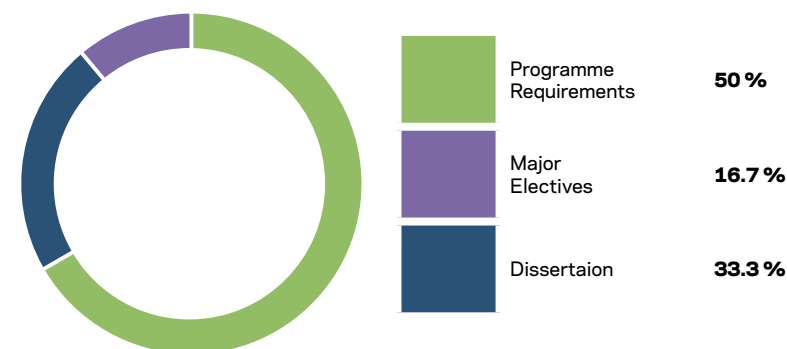
The aim of the programme is to:

- Equip students with advanced professional knowledge and skills in areas of information technology and computer science in accordance with international standards.
- Nurture an innovative research culture that encourages students and faculty to undertake independent and collaborative high-quality research.
- Enable students to identify multifaceted problems in their area of specialization and to design, analyze, implement and manage efficient solutions for them using current information technologies.
- Motivate graduates to apply tools, skills and techniques of information technology in their current and future work environment to increase their organization's productivity and to gain a competitive advantage.
- Prepare graduates to demonstrate ethical behavior and to be professionally competent and motivated to life-long learning.

## PROGRAMME COMPONENTS

| COURSE TYPE                       | NO. OF CREDIT-HOURS | NO. OF COURSES |
|-----------------------------------|---------------------|----------------|
| Foundation Courses (If Required)* | 9*                  | 3*             |
| Programme Requirements            | 18                  | 6              |
| Major Electives                   | 6                   | 2              |
| Dissertation                      | 12                  | 1              |
| <b>TOTAL</b>                      | <b>36</b>           | <b>9</b>       |

\*Not Counted Towards The 36 Credits-Hours Necessary For The Master's Degree In Information Technology And Computer Science



## LIST OF COURSES

### FOUNDATION COURSES\* (IF REQUIRED)

| COURSE       | CODE             | COURSE TITLE                 | CREDIT HOURS |
|--------------|------------------|------------------------------|--------------|
| ITFN         | 500              | Object Oriented Programming  | 3            |
| ITFN         | 501              | Data Structures & Algorithms | 3            |
| ITFN         | 502              | System Architecture          | 3            |
| <b>TOTAL</b> | <b>3 COURSES</b> |                              | <b>9</b>     |

- Not counted towards the 36 credits hours necessary for the Master's Degree in Business Administration.

### PROGRAMME REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                         | CREDIT HOURS |
|--------------|------------------|--------------------------------------|--------------|
| ITCS         | 514              | Object Oriented Software Engineering | 3            |
| ITCS         | 527              | Advanced Networking                  | 3            |
| ITCS         | 511              | Advanced Database Systems            | 3            |
| ITCS         | 509              | Artificial Intelligence              | 3            |
| ITCS         | 528              | Cyber Security                       | 3            |
| ITCS         | 550              | Research Methods & Modeling          | 3            |
| <b>TOTAL</b> | <b>6 COURSES</b> |                                      | <b>18</b>    |

### MAJOR ELECTIVES

| COURSE       | CODE                                | COURSE TITLE                     | CREDIT HOURS |
|--------------|-------------------------------------|----------------------------------|--------------|
| ITCS         | 515                                 | Business Intelligence            | 3            |
| ITCS         | 518                                 | Mobile Application Development   | 3            |
| ITCS         | 520                                 | Big Data Analytics               | 3            |
| ITCS         | 526                                 | Cloud Computing                  | 3            |
| ITCS         | 529                                 | Parallel And Distributed Systems | 3            |
| ITCS         | 530                                 | Bioinformatics Computing         | 3            |
| ITCS         | 535                                 | Internet Of Things (Iot)         | 3            |
| ITCS         | 538                                 | Machine Learning                 | 3            |
| ITCS         | 539                                 | Digital Forensics                | 3            |
| ITMS         | 523                                 | Multimedia Information Systems   | 3            |
| <b>TOTAL</b> | <b>ANY TWO OF THE ABOVE COURSES</b> |                                  | <b>6</b>     |

### DISSERTATION

| COURSE       | CODE              | COURSE TITLE                                              | CREDIT HOURS |
|--------------|-------------------|-----------------------------------------------------------|--------------|
| ITCS         | 599               | Dissertation In Information Technology & Computer Science | 12           |
| <b>TOTAL</b> | <b>ONE COURSE</b> |                                                           | <b>12</b>    |

**DETAILED STUDY PLAN (MSMCPR)****FOUNDATION COURSES\***

|  | COURSE                    | CODE | COURSE TITLE                 | LEC      | LAB | CRE | PREREQUISITE |
|--|---------------------------|------|------------------------------|----------|-----|-----|--------------|
|  | ITFN                      | 500  | Object Oriented Programming  | 3        | 0   | 3   |              |
|  | ITFN                      | 501  | Data Structures & Algorithms | 3        | 0   | 3   |              |
|  | ITFN                      | 502  | System Architecture          | 3        | 0   | 3   |              |
|  | <b>TOTAL PER SEMESTER</b> |      |                              | <b>9</b> |     |     |              |

\*1. If any student registered in foundation course(s) according to the admission requirement, he/she must receive a grade of B or more in all foundation courses he/she registered.  
 2. The grades of the foundation courses are not considered in the CGPA.  
 3. These courses are not considered as part of the MITCS programme.

**FIRST YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                         | LEC      | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|--------------------------------------|----------|-----|-----|--------------|
|                | ITCS                      | 514  | Object Oriented Software Engineering | 3        | 0   | 3   |              |
|                | ITCS                      | 527  | Advanced Networking                  | 3        | 0   | 3   |              |
|                | ITCS                      | 511  | Advanced Database Systems            | 3        | 0   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |                                      | <b>9</b> |     |     |              |

| SECOND SEMESTER | COURSE                    | CODE | COURSE TITLE                | LEC      | LAB | CRE | PREREQUISITE                     |
|-----------------|---------------------------|------|-----------------------------|----------|-----|-----|----------------------------------|
|                 | ITCS                      | 509  | Artificial Intelligence     | 3        | 0   | 3   |                                  |
|                 | ITCS                      | 528  | Cyber Security              | 3        | 0   | 3   |                                  |
|                 | ITCS                      | 550  | Research Methods & Modeling | 3        | 0   | 3   | Completion of at Least 9 Credits |
|                 | <b>TOTAL PER SEMESTER</b> |      |                             | <b>9</b> |     |     |                                  |

**SECOND YEAR (18 CREDITS)**

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE | LEC      | LAB | CRE | PREREQUISITE |
|----------------|---------------------------|------|--------------|----------|-----|-----|--------------|
|                | ITCS/MS                   | 5XX  | Elective I   | 3        | 0   | 3   |              |
|                | ITCS/MS                   | 5XX  | Elective II  | 3        | 0   | 3   |              |
|                | <b>TOTAL PER SEMESTER</b> |      |              | <b>6</b> |     |     |              |

| FIRST SEMESTER | COURSE                    | CODE | COURSE TITLE                                              | LEC       | LAB | CRE | PREREQUISITE                                                         |
|----------------|---------------------------|------|-----------------------------------------------------------|-----------|-----|-----|----------------------------------------------------------------------|
|                | ITCS                      | 599  | Dissertation In Information Technology & Computer Science | 0         | 24  | 12  | ITCS 550 and Completion of at least 21 credits and Minimum CGPA 3.00 |
|                | <b>TOTAL PER SEMESTER</b> |      |                                                           | <b>12</b> |     |     |                                                                      |

**LIST OF MAJOR ELECTIVE COURSES**

| COURSE | CODE | COURSE TITLE                     | LEC | LAB | CRE | PREREQUISITE |
|--------|------|----------------------------------|-----|-----|-----|--------------|
| ITCS   | 515  | Business Intelligence            | 3   | 0   | 3   |              |
| ITCS   | 518  | Mobile Application Development   | 3   | 0   | 3   |              |
| ITCS   | 520  | Big Data Analytics               | 3   | 0   | 3   | ITCS 511     |
| ITCS   | 526  | Cloud Computing                  | 3   | 0   | 3   |              |
| ITCS   | 529  | Parallel And Distributed Systems | 3   | 0   | 3   |              |
| ITCS   | 530  | Bioinformatics Computing         | 3   | 0   | 3   |              |
| ITCS   | 535  | Internet of Things (IOT)         | 3   | 0   | 3   |              |
| ITCS   | 538  | Machine Learning                 | 3   | 0   | 3   | ITCS 509     |
| ITCS   | 539  | Digital Forensics                | 3   | 0   | 3   | ITCS 528     |
| ITMS   | 523  | Multimedia Information Systems   | 3   | 0   | 3   |              |

\* Elective Courses (6 Credits: two courses to be chosen from the above list of elective courses)

## DOCTOR OF PHILOSOPHY (PHD-WR) IN INFORMATION SYSTEMS & COMPUTING

OFFERED BY BRUNEL UNIVERSITY, UK IN COLLABORATION WITH  
AHLIA UNIVERSITY

### OVERVIEW

Brunel University London, UK is working in partnership with Ahlia University, Bahrain, to deliver the PhD (without Residence) programme in Bahrain. The programme was launched in 2007 and is helping to create a new generation of scholars and business leaders, benefiting society by developing research culture and assisting in the evolution from a knowledge consuming society to a knowledge producing society.

The programme offers a unique opportunity by facilitating a research degree in Doctor of Philosophy (PhD) in Information Systems and Computing Research from a UK university with an international reputation and it is a highly sought-after qualification.

### PROGRAMME FACTS

- Three to four years full time research programme with no taught credit bearing courses.
- Students will be based at Ahlia University and have full access to all Ahlia's facilities including its extensive library.
- Students will be assigned two academic supervisors who will support and guide them during the PhD programme.
- Students will be nominally attached to a research centre within the department of Computer Science at Brunel University London.
- Students will be encouraged to attend conferences and disseminate their research.
- Department of Computer Science at Brunel regularly runs seminars and workshops in Bahrain to help students with their study and research skills
- The only time students will need to go to Brunel will be for their viva voce at the end of the PhD.

### PROGRAMME OUTCOMES

- Doctoral degree in Information Systems and Computing issued by Brunel University London.
- Discovery of novel findings – which should be of a standard sufficient for publication in peer-reviewed academic journals.
- A broad and in-depth understanding of the research field including relevant methodologies, an ability to conduct research studies independently.
- Prepare a well written and presented thesis in English language describing the background to their work, the methods used, observations made and critical discussion in the context of the broader field.

### PROGRAMME AIMS

- 100% individual research
- Periodical non-credit bearing research skills support sessions
- Annual doctoral symposium

# COLLEGE OF MEDICAL AND HEALTH SCIENCES

College of Medical & Health Sciences offers degree programmes to develop competent allied healthcare professionals by offering excellent academic knowledge, practical skills, values, cutting edge research opportunities and relevant clinical experience thereby contributing towards the public health improvement efforts at local, regional, and global levels.

The Department of Physiotherapy at Ahlia University offers a Bachelor's Degree in Physiotherapy (BSPT) built on evidence-based clinical practice, according to international standards, and has been successfully producing highly competent and skilled physiotherapists. We impart knowledge and critical thinking skills in our students for appropriate clinical decision-making and inculcate ethical and professional behaviour. Our graduates are serving the local and international community as independent healthcare practitioners, multidisciplinary team members, policy makers, entrepreneurs, academics, and research scholars. This programme has received full confidence status by Education and Training Quality Authority (BQA), Kingdom of Bahrain.

Students are trained to be independent physiotherapists by providing theoretical courses supplemented with adequate clinical practice in a variety of healthcare settings. The programme is carefully designed and is regularly being updated by considering the rapid advancements in the healthcare field and the current evidence gained through scientific research. We collaborate with several state-of-the-art public and private healthcare facilities to provide clinical training to our students with the most advanced scientific techniques within the physiotherapy profession.

Our highly qualified faculty members, who have international repute and prestigious research profiles, are conducting innovative health care research that addresses the local, regional, and international needs, and, thus, advances the frontiers of knowledge. Students are encouraged and supported by faculty to implement research activities that are commensurate with the interests of the discipline, and to focus on tackling important health care concerns.

A career within healthcare profession can be one of the most rewarding and enjoyable as we develop market-ready healthcare professionals. The College of Medical and Health Sciences welcomes you, and together we look forward to a very successful future.

## OUR VISION

The Vision of the College of Medical & Health Sciences is to be a local, regional and international leader in health care education, by promoting excellence in professional practice, research and community service.

## OUR MISSION

- Produce health care professionals who are able to respond effectively to the needs of the community and the region, while remaining sensitive to the socio-cultural values and beliefs.
- Conduct innovative health care research that addresses local, regional and international needs and advances the frontiers of knowledge.

## OUR GOALS

- Provide students with the knowledge, skills and values necessary for local and regional employment in the health care professions.
- Provide degree programmes that are based on attainment of clear intended learning outcomes that are congruent with the needs of the health care professions.
- Provide faculty development activities.
- Implement research activities that are commensurate with faculty interest and programme areas of concentration and that tackle significant health care issues within the region and internationally.
- Provide opportunities for students to participate in research and community service with a focus on rehabilitation and health care.
- Recruit students with a diversity of backgrounds, experience and personal goals for the programme and who meet or exceed academic requirements for the programme.

Deciding on a degree or programme is a personal choice – it's about choosing the right programme for you; your interests, your future.

Whether you're venturing into a new area of study or looking to build upon your experience and knowledge in a particular field, Ahlia University offers a range of undergraduate and postgraduate degrees and programmes, diplomas and non-award programmes.

Discover more about your programme, semester intake and entry requirements from the list below.

## BACHELOR'S DEGREE IN PHYSIOTHERAPY (BSPT)

### OVERVIEW

Physiotherapy is a science based healthcare profession which utilizes physical approaches in the promotion, rehabilitation and maintenance of an individual's functional movement potential, psychological and social wellbeing.

A challenging and exciting aspect of this profession is the wide scope of knowledge and clinical practice in terms of patient and client groups (e.g. neurological, cardiorespiratory, orthopedics and pediatrics, sports, geriatrics etc). and healthcare delivery settings (e.g. hospitals, health centres, community based organizations, industry, private clinics, schools and geriatric care facilities).

The curriculum continues to evolve and is based on the recommendations of the World Confederation for Physical Therapy. The BSPT degree programme consists of one hundred and fifty-six (156) credit hours of teaching and clinical practice.

Pre-clinical training commences in the second semester of the first year and consists of classroom as well as laboratory work which aims to provide a comprehensive understanding of the core biomedical, behavioral and technological sciences as well as an introduction to basic clinical skills.

Clinical training in the third and fourth years is delivered through classroom as well as laboratory work to develop knowledge in the specific clinical sciences and in combination with ward based teaching and clinical placements to develop competency in clinical skills.

## PROGRAMME FACTS

- The programme is of 4 years duration.
- The programme is taught in English Language
- The programme consists of 156 credit hours covering 49 courses
- The programme achieved "Confidence" in (2012) by the Education and Training Quality Authority, Bahrain
- The programme consists of five clinical courses in different specialties
- The programme is recognized by local and International Licensure Authorities.

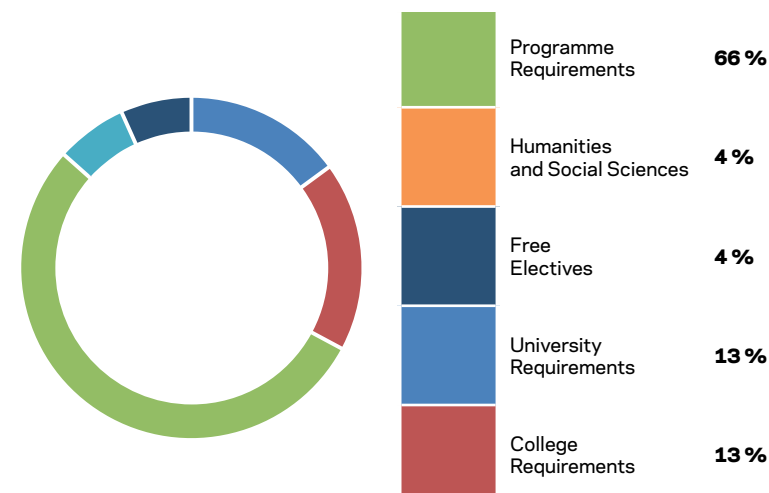
## PROGRAMME AIMS

The aim of the programme is to:

- Graduates are qualified for Bahrain Physiotherapy Profession Licensure by National Health Regulatory Authority in Kingdom of Bahrain
- Develop competency in clinical skills in certain specialties which are essential in order to safely and effectively treat patients.
- Develop skills in critical thinking, clinical reasoning and to evaluate the effectiveness of treatments based on the latest evidence.
- Gain basic knowledge, skills and experience in health care research methodology.
- Develop skills in lifelong learning and thereby being able to respond to the dynamic nature of the healthcare profession and the changing health needs of the community.

## PROGRAMME COMPONENTS

| COURSE TYPE                    | NO. OF CREDIT-HOURS | NO. OF COURSES |
|--------------------------------|---------------------|----------------|
| University Requirements        | 20                  | 7              |
| College Requirements           | 21                  | 7              |
| Programme Requirements         | 103                 | 31             |
| Humanities And Social Sciences | 6                   | 2              |
| Free Electives                 | 6                   | 2              |
| <b>TOTAL</b>                   | <b>156</b>          | <b>49</b>      |





## LIST OF COURSES

### UNIVERSITY REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                                | CREDIT HOURS |
|--------------|------------------|---------------------------------------------|--------------|
| ARAB         | 101              | Composition For Native Speakers Of Arabic 1 | 3            |
| ENGL         | 101              | Academic English I                          | 3            |
| ITCS         | 101              | Introduction To Computers & IT              | 3            |
| ENGL         | 102              | Academic English II                         | 3            |
| HUMR         | 101              | Principles Of Human Rights                  | 2            |
| HIST         | 121              | Modern History Of Bahrain                   | 3            |
| STAT         | 101              | Introduction To Statistics                  | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                             | <b>20</b>    |

### COLLEGE REQUIREMENTS

| COURSE       | CODE             | COURSE TITLE                   | CREDIT HOURS |
|--------------|------------------|--------------------------------|--------------|
| MATH         | 101              | Calculus I                     | 3            |
| PHYS         | 101              | General Physics I              | 3            |
| MATH         | 102              | Calculus II                    | 3            |
| PHTH         | 121              | General Anatomy                | 3            |
| ENGL         | 211              | English For Health Sciences I  | 3            |
| PHTH         | 214              | Introduction To Biochemistry   | 3            |
| ENGL         | 212              | English For Health Sciences II | 3            |
| <b>TOTAL</b> | <b>7 COURSES</b> |                                | <b>21</b>    |

## PROGRAMME REQUIREMENTS

| COURSE | CODE | COURSE TITLE                                              | CREDIT HOURS |
|--------|------|-----------------------------------------------------------|--------------|
| PHTH   | 211  | General Physiology                                        | 3            |
| PHTH   | 212  | Musculoskeletal Anatomy & Physiology                      | 6            |
| PHTH   | 213  | Introduction To Exercise Physiology                       | 3            |
| PHTH   | 221  | Biomechanics                                              | 3            |
| PHTH   | 222  | Neuroanatomy & Physiology                                 | 3            |
| PHTH   | 223  | Introduction To Radiology & Pathology                     | 3            |
| PHTH   | 224  | Principles Of Electrotherapy                              | 3            |
| PHTH   | 225  | Psychological Aspects Of Disability                       | 3            |
| PHTH   | 226  | Basic Clinical Practice                                   | 6            |
| PHTH   | 312  | Orthopedic, Sports & Rheumatology Physiotherapy           | 3            |
| PHTH   | 313  | Manipulative Procedure                                    | 3            |
| PHTH   | 314  | Principles Of Therapeutic Exercise                        | 3            |
| PHTH   | 315  | Clinical: Orthopedic Medicine & Surgery                   | 3            |
| PHTH   | 316  | Clinical: Orthopedic, Sports & Rheumatology Physiotherapy | 4            |
| PHTH   | 321  | Theories Of Cardiopulmonary Physiotherapy                 | 3            |
| PHTH   | 322  | Medical Physiotherapy                                     | 3            |
| PHTH   | 323  | Clinical: Cardiopulmonary Medicine & Surgery              | 3            |
| PHTH   | 324  | Clinical: Cardiopulmonary & Medical Physiotherapy         | 4            |
| PHTH   | 325  | Organization & Ethics In Physiotherapy                    | 3            |
| PHTH   | 412  | Theories Of Neurological Physiotherapy                    | 3            |
| PHTH   | 413  | Clinical: Neurological Medicine & Surgery                 | 3            |
| PHTH   | 414  | Clinical: Neurological Physiotherapy                      | 4            |
| PHTH   | 415  | Introduction To Pharmacology                              | 3            |

|              |                   |                                                   |            |
|--------------|-------------------|---------------------------------------------------|------------|
| <b>PHRM</b>  | <b>498</b>        | Research Methods In Physiotherapy                 | 3          |
| <b>STAT</b>  | <b>201</b>        | Medical Statistics                                | 3          |
| <b>PHTH</b>  | <b>499</b>        | Major Project                                     | 3          |
| <b>PHTH</b>  | <b>421</b>        | Clinical: Pediatric Physiotherapy                 | 4          |
| <b>PHTH</b>  | <b>422</b>        | Theories Of Pediatric Physiotherapy               | 3          |
| <b>PHTH</b>  | <b>423</b>        | Clinical: Pediatric Medicine & Surgery            | 3          |
| <b>PHTH</b>  | <b>424</b>        | Clinical: Community Physiotherapy                 | 3          |
| <b>PHTH</b>  | <b>425</b>        | Occupational Health & Ergonomics In Physiotherapy | 3          |
| <b>TOTAL</b> | <b>31 COURSES</b> |                                                   | <b>103</b> |

## HUMANITIES AND SOCIAL SCIENCES

| COURSE       | CODE       | COURSE TITLE                                     | CREDIT HOURS |
|--------------|------------|--------------------------------------------------|--------------|
| <b>ANTH</b>  | <b>101</b> | Introduction To Anthropology                     | 3            |
| <b>ARAB</b>  | <b>102</b> | Composition For Native Speakers Of Arabic II     | 3            |
| <b>ARAB</b>  | <b>201</b> | Introduction To Modern Arabic Literature         | 3            |
| <b>CHIN</b>  | <b>101</b> | Introduction To Chinese I                        | 3            |
| <b>CULT</b>  | <b>101</b> | Introduction To Culture                          | 3            |
| <b>CULT</b>  | <b>102</b> | Islamic Culture                                  | 3            |
| <b>ENGL</b>  | <b>215</b> | Readings In English Literature                   | 3            |
| <b>ENGL</b>  | <b>216</b> | Readings Literature II                           | 3            |
| <b>ENGL</b>  | <b>218</b> | Workplace Writing Skills                         | 3            |
| <b>ENGL</b>  | <b>221</b> | Introduction To Translation                      | 3            |
| <b>FREN</b>  | <b>101</b> | French I                                         | 3            |
| <b>FREN</b>  | <b>102</b> | French II                                        | 3            |
| <b>GERM</b>  | <b>101</b> | German Language & Culture I                      | 3            |
| <b>GERM</b>  | <b>102</b> | German Language & Culture II                     | 3            |
| <b>HIST</b>  | <b>101</b> | Modern History of The Middle East & North Africa | 3            |
| <b>IREL</b>  | <b>101</b> | International Relations                          | 3            |
| <b>KORN</b>  | <b>101</b> | Introduction To Korean Language I                | 3            |
| <b>KORN</b>  | <b>102</b> | Introduction To Korean Language II               | 3            |
| <b>LAW</b>   | <b>101</b> | Introduction To Legal Systems & Legal Reasoning  | 3            |
| <b>PSYC</b>  | <b>101</b> | Introduction To Psychology                       | 3            |
| <b>SOCI</b>  | <b>101</b> | Sociology                                        | 3            |
| <b>SOCI</b>  | <b>102</b> | Sociology II                                     | 3            |
| <b>SPAN</b>  | <b>101</b> | Introduction To Spanish I                        | 3            |
| <b>SPAN</b>  | <b>102</b> | Introduction To Spanish II                       | 3            |
| <b>TOTAL</b> |            |                                                  | <b>3</b>     |

**FREE ELECTIVES :** Student can take any two courses (6 credit-hours) as **Free Electives**

**DETAILED STUDY PLAN (BSPT)****FIRST YEAR (38 CREDITS)**

|                    | COURSE | CODE | COURSE TITLE                                | LEC | LAB | CRE | PREREQUISITE                                                           |
|--------------------|--------|------|---------------------------------------------|-----|-----|-----|------------------------------------------------------------------------|
| FIRST SEMESTER     | ARAB   | 101  | Composition For Native Speakers Of Arabic 1 | 3   | 0   | 3   |                                                                        |
|                    | HIST   | 121  | Modern History Of Bahrain                   | 3   | 0   | 3   |                                                                        |
|                    | ENGL   | 101  | Academic English I                          | 3   | 0   | 3   | ENGL 050 OR (ENGL 051, & ENGL 052 & ENGL 053) OR (ENGL 052 & ENGL 055) |
|                    | HU/SS  | XXX  | Humanities/Social Sciences                  | 3   | 0   | 3   |                                                                        |
|                    | MATH   | 101  | Calculus I                                  | 3   | 0   | 3   | MATH 050 OR MATH 052 OR MATH 053 OR MATH 055                           |
|                    | PHYS   | 101  | General Physics I                           | 3   | 0   | 3   | MATH 050 OR MATH 052 OR MATH 053 OR MATH 055                           |
| TOTAL PER SEMESTER |        |      |                                             | 18  |     |     |                                                                        |

|                    | COURSE | CODE | COURSE TITLE                   | LEC | LAB | CRE | PREREQUISITE                                 |
|--------------------|--------|------|--------------------------------|-----|-----|-----|----------------------------------------------|
| SECOND SEMESTER    | ENGL   | 102  | Academic English II            | 3   | 0   | 3   | ENGL 101                                     |
|                    | HU/SS  | XXX  | Humanities/Social Sciences     | X   | X   | 3   |                                              |
|                    | ITCS   | 101  | Introduction To Computers & IT | 2   | 2   | 3   |                                              |
|                    | MATH   | 102  | Calculus II                    | 3   | 0   | 3   | MATH 101                                     |
|                    | PHTH   | 121  | General Anatomy                | 2   | 2   | 3   |                                              |
|                    | STAT   | 101  | Introduction to Statistics     | 3   | 0   | 3   | MATH 050 OR MATH 052 OR MATH 053 OR MATH 055 |
| TOTAL PER SEMESTER |        |      |                                | 18  |     |     |                                              |

|                    | COURSE | CODE | COURSE TITLE               | LEC | LAB | CRE | PREREQUISITE |
|--------------------|--------|------|----------------------------|-----|-----|-----|--------------|
| SUMMER             | HUMR   | 101  | Principles of Human Rights | 2   | 0   | 2   |              |
| TOTAL PER SEMESTER |        |      |                            | 2   |     |     |              |

**SECOND YEAR (42 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                         | LEC | LAB | CRE | PREREQUISITE |
|----------------|--------------------|------|--------------------------------------|-----|-----|-----|--------------|
| FIRST SEMESTER | ENGL               | 211  | English For Health Sciences I        | 3   | 0   | 3   | ENGL 102     |
|                | PHTH               | 211  | General Physiology                   | 2   | 2   | 3   | PHTH 121     |
|                | PHTH               | 212  | Musculoskeletal Anatomy & Physiology | 5   | 2   | 6   | PHTH 121     |
|                | PHTH               | 213  | Introduction To Exercise Physiology  | 3   | 0   | 3   | PHTH 121     |
|                | PHTH               | 214  | Introduction To Biochemistry         | 3   | 0   | 3   | PHTH 121     |
|                | XXXX               | XXX  | Free Elective                        | 3   | 0   | 3   |              |
|                | TOTAL PER SEMESTER |      |                                      |     | 21  |     |              |

|                 | COURSE             | CODE | COURSE TITLE                          | LEC | LAB | CRE | PREREQUISITE        |
|-----------------|--------------------|------|---------------------------------------|-----|-----|-----|---------------------|
| SECOND SEMESTER | PHTH               | 221  | BIOMECHANICS                          | 3   | 0   | 3   | PHTH 212            |
|                 | PHTH               | 222  | Neuroanatomy & Physiology             | 2   | 2   | 3   | PHTH 211 & PHTH 212 |
|                 | PHTH               | 223  | Introduction To Radiology & Pathology | 2   | 2   | 3   | PHTH 212            |
|                 | PHTH               | 224  | Principles Of Electrotherapy          | 2   | 2   | 3   | PHYS 101            |
|                 | PHTH               | 225  | Psychological Aspects Of Disability   | 3   | 0   | 3   | PHTH 212            |
|                 | PHTH               | 226  | Basic Clinical Practice               | 0   | 12  | 6   | PHTH 211 & PHTH 212 |
|                 | TOTAL PER SEMESTER |      |                                       |     | 21  |     |                     |

**THIRD YEAR (38 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                                              | LEC | LAB | CRE | PREREQUISITE                                |
|----------------|--------------------|------|-----------------------------------------------------------|-----|-----|-----|---------------------------------------------|
| FIRST SEMESTER | ENGL               | 212  | English For Health Sciences II                            | 3   | 0   | 3   | ENGL 211 & Completion of at least 3 credits |
|                | PHTH               | 312  | Orthopedic, Sports & Rheumatology Physiotherapy           | 2   | 2   | 3   | PHTH 221 & PHTH 223 & PHTH 226              |
|                | PHTH               | 313  | Manipulative Procedure                                    | 2   | 2   | 3   | PHTH 221 & PHTH 223 & PHTH 226              |
|                | PHTH               | 314  | Principles Of Therapeutic Exercise                        | 2   | 2   | 3   | PHTH 213 & PHTH 221 & PHTH 226              |
|                | PHTH               | 315  | Clinical: Orthopedic Medicine & Surgery                   | 2   | 2   | 3   | PHTH 223 & PHTH 226                         |
|                | PHTH               | 316  | Clinical: Orthopedic, Sports & Rheumatology Physiotherapy | 0   | 8   | 4   | PHTH 223 & PHTH 226                         |
|                | TOTAL PER SEMESTER |      |                                                           |     | 19  |     |                                             |

|                 | COURSE             | CODE | COURSE TITLE                                      | LEC | LAB | CRE | PREREQUISITE |
|-----------------|--------------------|------|---------------------------------------------------|-----|-----|-----|--------------|
| SECOND SEMESTER | PHTH               | 321  | Theories Of Cardiopulmonary Physiotherapy         | 2   | 2   | 3   | PHTH 226     |
|                 | PHTH               | 322  | Medical Physiotherapy                             | 3   | 0   | 3   | PHTH 226     |
|                 | PHTH               | 323  | Clinical: Cardiopulmonary Medicine & Surgery      | 2   | 2   | 3   | PHTH 226     |
|                 | PHTH               | 324  | Clinical: Cardiopulmonary & Medical Physiotherapy | 0   | 8   | 4   | PHTH 226     |
|                 | PHTH               | 325  | Organization & Ethics In Physiotherapy            | 3   | 0   | 3   | PHTH 226     |
|                 | XXXX               | XXX  | Free Elective                                     | 3   | 0   | 3   |              |
|                 | TOTAL PER SEMESTER |      |                                                   |     | 19  |     |              |

**FOURTH YEAR (38 CREDITS)**

|                | COURSE             | CODE | COURSE TITLE                              | LEC | LAB | CRE | PREREQUISITE                                 |
|----------------|--------------------|------|-------------------------------------------|-----|-----|-----|----------------------------------------------|
| FIRST SEMESTER | PHTH               | 412  | Theories Of Neurological Physiotherapy    | 2   | 2   | 3   | PHTH 222 & PHTH 226                          |
|                | PHTH               | 413  | Clinical: Neurological Medicine & Surgery | 2   | 2   | 3   | PHTH 222 & PHTH 226                          |
|                | PHTH               | 414  | Clinical: Neurological Physiotherapy      | 0   | 8   | 4   | PHTH 222 & PHTH 226                          |
|                | PHTH               | 415  | Introduction To Pharmacology              | 3   | 0   | 3   | PHTH 214                                     |
|                | PHRM               | 498  | Research Methods In Physiotherapy         | 3   | 0   | 3   | PHTH 325 & Completion of at least 90 credits |
|                | STAT               | 201  | Medical Statistics                        | 3   | 0   | 3   | STAT 101 & PHTH 325                          |
|                | TOTAL PER SEMESTER |      |                                           |     | 19  |     |                                              |

|                 | COURSE             | CODE | COURSE TITLE                                      | LEC | LAB | CRE | PREREQUISITE                                            |
|-----------------|--------------------|------|---------------------------------------------------|-----|-----|-----|---------------------------------------------------------|
| SECOND SEMESTER | PHTH               | 499  | Major Project                                     | X   | X   | 3   | STAT 201 & PHRM 498 & Completion of at least 90 credits |
|                 | PHTH               | 421  | Clinical: Pediatric Physiotherapy                 | 0   | 8   | 4   | PHTH 222 & PHTH 226                                     |
|                 | PHTH               | 422  | Theories Of Pediatric Physiotherapy               | 2   | 2   | 3   | PHTH 222 & PHTH 226                                     |
|                 | PHTH               | 423  | Clinical: Pediatric Medicine & Surgery            | 2   | 2   | 3   | PHTH 222 & PHTH 226                                     |
|                 | PHTH               | 424  | Clinical: Community Physiotherapy                 | 0   | 6   | 3   | PHTH 315 & PHTH 323                                     |
|                 | PHTH               | 425  | Occupational Health & Ergonomics In Physiotherapy | 2   | 2   | 3   | PHTH 325                                                |
|                 | TOTAL PER SEMESTER |      |                                                   |     | 19  |     |                                                         |





الجامعة الأهلية  
AHLIA UNIVERSITY  
BAHRAIN