

# Master of Science in Biochemistry and Molecular Biology

College of Medicine

King Faisal University

<b>Program Name</b>	Master of Science in Biochemistry and Molecular Biology
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## 1. Introduction

The MSc program is designed to prepare students to undertake independent research, hold academic positions in biochemistry and molecular biology departments as well as work in medical laboratories and industry.

This program is research based and puts emphasis on independent research carried out by a student, supplemented with courses to expand the student's knowledge in medical biochemistry and molecular biology

## 2. Program Information

<b>Program Name</b>	Master of Science in Biochemistry and Molecular Biology
<b>College</b>	College of Medicine
<b>Department</b>	Biomedical Sciences
<b>Track</b>	Biochemistry and Molecular Biology
<b>Level</b>	Postgraduate
<b>Degree</b>	Master
<b>Years of Study</b>	2 years extendable to 4 years
<b>Credit Hours</b>	37
<b>Additional Requirements</b>	

## 3. Admission Requirements

- Bachelor's Degree: Medicine, Applied Medical Sciences, Veterinary Medicine, Pharmacy, Medical Biotechnology, Nursing, Biochemistry, Genetics, Molecular Biology,
- Cumulative GPA: Not less than 3.5/5
- English proficiency: IELTS: 5.5, or equivalent from Accredited English Institution or agency.
- Written Examination: (To be held at KFU in related Syllabus)
- Interview (To be Held at KFU)

## 4. Study Plan

### First Year

#### Semester 1

Course Code	Course Title	Credit Hours
1001-1801	Intermediary metabolism	4
1001-1802	Gene Information	2
1001-1804	Enzymology	2
1001-1806	Biochemistry Lab	3
1001-1810	Conferences 1	1

#### Semester 2

Course Code	Course Title	Credit Hours
1001-1803	Human Genetics	3
1001-1805	Molecular Biology Techniques	3
1001-1807	Biostatistics	2
1001-1809	Seminars	2
1001- 817	Conferences 2	1
1001-1811	***Dissertation &	(10)

### Second Year

#### Semester 1

Course Code	Course Title	Credit Hours
1001-1808	Bioinformatics	2
1001-1818	Conference 3	1
1001-812	**ELECTIVES (Haematology)	2
1001-1811	***Dissertation & Defense	(10)

#### Semester 2

Course Code	Course Title	Credit Hours
1001-1811	***Dissertation & Defense	10

\* Conferences: 3 credit hours (Equivalent to a minimum of 15 points of conference attendance)

\*\* Elective Courses: Minimum of 2 credit hours required

\*\*\*Dissertation & Its Defense: The total credit hours will be counted as 10 as part of the last semester. The planning for the research work should commence at the commencement of the program.