

# CURRICULUM



• **MASTER'S IN:**  
CHEMISTRY  
**EMPHASIS IN:**  
PHYSICS-CHEMISTRY

• **CREDITS: 53**

• **SCHOOL OF:**  
SCIENCES AND ENGINEERING

## YEAR 1

| ACADEMIC TERM 1 | CODE      | COURSE NAME                | CREDITS   |
|-----------------|-----------|----------------------------|-----------|
|                 | MQUI 6013 | Advanced Chemistry         | 3         |
|                 | MQUI 6004 | Advanced Physics-Chemistry | 3         |
|                 | MQUI 6005 | Thermodynamics             | 3         |
|                 | MQUI 6006 | Quantum Mechanics          | 3         |
|                 | MQUI 6201 | Tutorship 1                | 1         |
|                 |           | <b>ACADEMIC TERM</b>       | <b>13</b> |

| ACADEMIC TERM 2 | CODE      | COURSE NAME          | CREDITS   |
|-----------------|-----------|----------------------|-----------|
|                 | MQUI 6008 | Quantum Chemistry    | 3         |
|                 | MQUI 6010 | Computational Tools  | 3         |
|                 | MQUI 6403 | Spectroscopy         | 3         |
|                 | MQUI 6502 | Solids               | 3         |
|                 | MQUI 6202 | Tutorship 2          | 1         |
|                 |           | <b>ACADEMIC TERM</b> | <b>13</b> |

| SUMMER SESSION 1 | CODE      | COURSE NAME          | CREDITS   |
|------------------|-----------|----------------------|-----------|
|                  | MQUI 7201 | Tutorship 3          | 1         |
|                  | MQUI 6301 | Research Project 1   | 12        |
|                  |           | <b>ACADEMIC TERM</b> | <b>13</b> |

## YEAR 2

| ACADEMIC TERM 3 | CODE       | COURSE NAME               | CREDITS   |
|-----------------|------------|---------------------------|-----------|
|                 | MQUI 7006  | Organic Physics Chemistry | 3         |
|                 | MQUI       | Elective Course           | 3         |
|                 | MQUI 7202  | Tutorship 4               | 1         |
|                 | MQUI 7993T | Research Project 2        | 6         |
|                 | PPOS 6999  | Graduate School Colloquia | 1         |
|                 |            | <b>ACADEMIC TERM</b>      | <b>14</b> |

| POSSIBLE ELECTIVE COURSES | CODE NUMBER | ASSIGNMENT NAME                |
|---------------------------|-------------|--------------------------------|
|                           | MQUI 6012E  | Science Education (in English) |
|                           | MQUI 7003   | Research Methodology           |
|                           | MQUI 7801   | Comp. Chemistry of Reactions   |

**NOTE 1:** The sequence of the courses in this curriculum could vary depending on the availability of professors, schedules, location, etc.; the academic load will be respected as noted.

**NOTE 2:** The graduate program is conducted entirely in Spanish.