Environmental Chemistry Certification
Chemistry Department - UPR-Mayagüez

[18 credits in total]

• CORE COURSES [12 credits]
  – QUIM 3085  ENVIRONMENTAL CHEMISTRY (3crs)
  – QUIM 3086  ENVIRONMENTAL CHEMISTRY LABORATORY (1cr)
  – QUIM 5005  METHODOLOGY OF ENVIRONMENTAL CHEMICAL ANALYSIS (3crs)
  and
    • QUIM 5066  TOXICOLOGICAL CHEMISTRY (3crs)
    or
    • QUIM 5175  EXPLOSIVES DETECTION AND ANALYSIS (4crs)
  and
  – QUIM 4998/4999  * UNDERGRADUATE RESEARCH I (1 or 2 crs) or QUIM4997 (3crs) [CO-OP Practice]

* Research must be related to environmental area and will be certified by the research Advisor

• ELECTIVE COURSES^ [6 credits]
  – INTD 4995  FIRST INDUSTRIAL EXPERIENCE (3 crs)
  – AGRO 3005  GENERAL SOILS (3 crs)
  – AGRO 5008  SOILS OF PUERTO RICO (3 crs)
  – METE 4006  INTRODUCTORY TO METEOROLOGY (3 crs)
  – GEOL 3025  EARTH SCIENCES (3 crs)
  – GEOL 3026  LIFE IN THE PAST (3 crs)
  – GEOL 3027  GEOLOGICAL ASPECTS OF THE ENVIRONMENTAL SCIENCES (3 crs)
  – GEOL 3105  IMAGES OF PLANET EARTH (3crs)
  – TMAG 4039  AGRICULTURAL WASTE MANAGEMENT (3 crs)
  – TMAG 4038  AGRICULTURAL HYDROLOGY (3 crs)
  – SOCI 5015  ENERGY, ENVIRONMENT, AND SOCIETY (3 crs)

^Elective courses should be selected from two different Departments. Other courses related to the environmental area could be considered.