INTEGRATED BIOLOGICAL SCIENCES (IBIS)

IBIS 401. Integrated Biological Sciences I. 1 - 9 Units.
A four-semester sequence encompassing anatomy, biochemistry, physiology, pharmacology, pathology, and microbiology.

IBIS 402. Integrated Biological Sciences II. 1 - 9 Units.
A continuation of IBIS 401.

IBIS 403. Integrated Biological Sciences III. 1 - 9 Units.
A continuation of IBIS 402.

IBIS 411. Clinical Science I. 2 Units.

IBIS 412. Clinical Science II. 2 Units.

IBIS 413. Clinical Science III. 2 Units.

IBIS 434. Integrated Biological Sciences in Medicine. 3 - 6 Units.
This course is open only to candidates enrolled in the M.D./M.S. program (College plan). Registration is for the Spring semester of the second year in medical school. The course content includes the areas of hematology, gastroenterology and renal physiology. Students will also be required to participate in Process of Discovery. Assessment of performance will be through reaching required levels of competency for the medical areas identified above and by the evaluation of a term paper. Recommended preparation: First three semesters of medical school and currently a medical student in good standing.

IBIS 451. Clinical Science (for M.D./M.A. Bioethics Students). 3 Units.

IBIS 501. Advanced Research in Medicine. 6 Units.
The Western Reserve2 Curriculum (WR2) has high expectations for self-directed learning, and seeks to train physician scholars who are prepared to treat disease, promote health and examine the social and behavioral context of health and illness. The WR2 Curriculum integrates basic, clinical and health systems science to prepare students for the ongoing practice of evidence-based medicine in the rapidly changing healthcare environment of the 21st century. Research and scholarship are central to the curriculum and are integrated throughout the four years. The WR2 Curriculum fosters the development of self-directed, life-long learners within an educational environment that features: Facilitated, student-centered learning teams (Case Inquiry), Large group interactive sessions such as team-based learning or didactic sessions that offer a framework or synthesis of a concept area, Anatomy sessions that offer opportunity for dissection and learning using holograms, Early and longitudinal clinical skills training, Patient-based activities, Community-based activities, and Interprofessional collaboration. Available to University Program MD students in year one or year two, and currently enrolled in the MD/MS in Nutrition dual degree program. Prereq: Enrolled in the MD/MS in Nutrition dual degree program.

IBIS 600. Exam in Biomedical Investigation. 0 Unit.
Students are required to pass an examination established for each student, generally reflecting the preparation and oral defense of a written report on the project. Prereq: Must be enrolled in MD/MS Biomedical Investigation program.