BACHELOR OF SCIENCE (BS)
HEALTH AND OCCUPATIONAL SCIENCES

The Maria College Bachelor of Science degree in Health and Occupational Sciences (HOS) is designed for students who wish to work in a variety of health services settings, or who wish to pursue a pathway to a profession in occupational therapy. The program will provide students completing an associate degree in Occupational Therapy Assistant (OTA) the option to pursue a bachelor’s degree which will prepare them for graduate study in Occupational Therapy (OT). Other students who will find this four-year degree program of interest and value are those who wish to work in health services and will thus deal with health-related issues through their workplace. According to the U.S. Department of Labor, the health care and health services industry is expected to grow with a resultant increase in demand for appropriately prepared professionals. This is due in large part to an aging population, advances in medical technologies, continuing shift from inpatient to outpatient services, and growing emphasis on health promotion, disease prevention, and the integration of technology into all aspects of the health care industry.

Program Highlights:
The goal of the program is to provide a diverse blend of theoretical, scientific principles and practical, technological applications.

- The program includes two groups of core requirements for a total of 35 credits (see curriculum on right).

  Group I consists of six required courses that create a mix of foundation, introductory level courses and advanced practitioner-oriented subject matter. In addition, students will choose one research methodology course.

  Group II lends significant program flexibility by offering students the opportunity to choose any four of seven courses which collectively present a balanced mix of applied science, policy and management applications.

- The program provides a solid natural science foundation with required courses in anatomy and physiology, plus electives (3 semester-long courses) in biology, chemistry and physics.

- This program is flexible and transfer-friendly as it includes a broad array of choices in the liberal arts and 24 credits of free electives.

Health and Occupational Sciences Curriculum:
Major Field Requirements (35 credits)
Group I - All courses required (23 credits)
Medical Terminology and Conditions
Introduction to Health Professions
Fundamentals of Occupational Science
Biomechanics
Introduction to Research and Evidence Based Practice or Research Methods I
Internship/Coop in Health and Occupational Sciences
Senior Capstone in Health and Occupational Sciences

Group II - Select any four of the following (12 credits)
Pathophysiology
Neurobiology
Gross Anatomy
Genetics
Pharmacology
Health Care Law and Policy
Health Care Quality Management
Complementary and Alternative Therapies
Epidemiology
Healthcare Informatics
Health Promotion Across the Lifespan

Natural Science Requirements (20 credits)
Group I - All courses required (8 credits)
Anatomy and Physiology I Lecture and Laboratory
Anatomy and Physiology II Lecture and Laboratory

Group II - Select any three of the following (12 credits)
General Biology I
General Biology II
Human Biology
General Chemistry I
General Chemistry II
Organic Chemistry I
Organic Chemistry II
Microbiology
General Physics I
General Physics II

Liberal Arts Courses (39 credits)
Cultural Studies/History - 3 credits
English - 9 credits including Composition I, Technical and Professional Communication
Mathematics - 3 credits of Statistics or Pre-calculus
Psychology - 6 credits
Religion/Philosophy - 9 credits including Health Care Ethics
Sociology - 6 credits including Medical Sociology
Elective - 3 credits, 300 or 400 level

First Year Experience (2 credits)
Free Electives (24 credits)