

## **Tracks**

There are many choices that you can make as you enroll in our undergraduate civil engineering program. Among these is a choice of a concentration within Civil Engineering. Our undergraduate program offers four tracks:

## **General Track**

This is our most popular track. It allows you to pursue a B.S. degree in civil engineering through broad exposure to all aspects of our profession. These aspects include:

- Environmental engineering deals with the planning, design and management of facilities and systems that protect public health and environmental quality. This includes the production and distribution of potable water, treatment and disposal of municipal and industrial wastewater, management of solid and hazardous wastes, remediation of contaminated soil and groundwater, and air pollution control.
- *Geotechnical engineering* encompasses design and construction of foundations for structures, bridges, earth embankments, retaining walls and bulkheads, pavements for highways and airports, and waste containment structures.
- *Structural engineering* deals with the design, construction and rehabilitation of a wide variety of buildings and bridges using concrete, steel and other composite materials.
- *Transportation/Materials engineering* focuses on the planning, design, materials, construction and operation of roadways, highways, railways, airports and urban mass transit systems.
- *Water resources engineering* encompasses design, construction, and management of structures and systems for flood control, and to provide water for drinking and household uses, irrigation, power production, recreation, and wildlife.