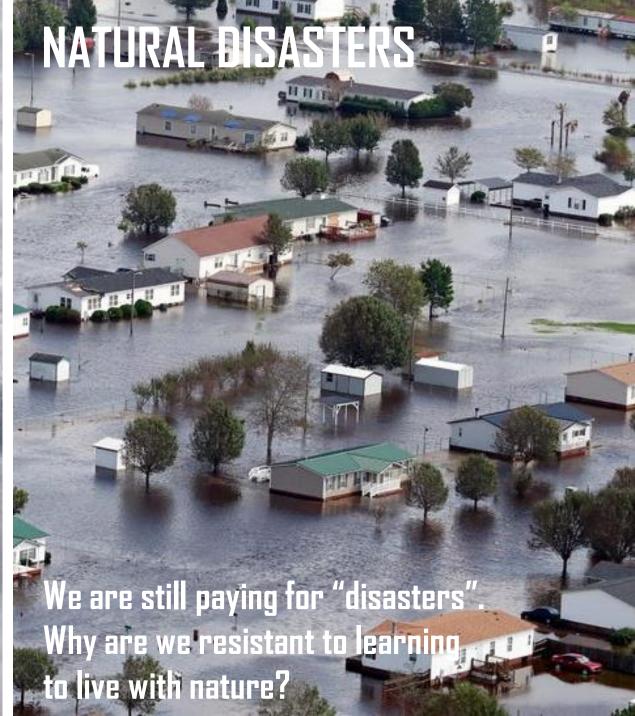


With space satellites, we can see hurricanes coming. When should we evacuate cities to avoid human casualties?









In the AS
Environmental Studies
program, you will also
learn how to
manipulate a
Geographic Information
System (GIS)...to
create maps.

#### How Does GIS Work?

"Spatial Data"
is collected from the field
using various technologies.
It is then mapped using GIS.



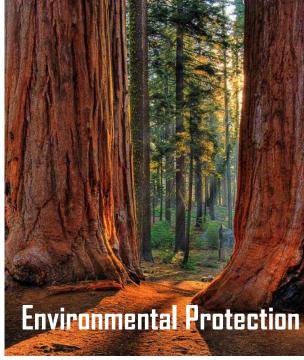




A GIS shows the geographic location of features of interest on maps, with information describing what each feature represents.

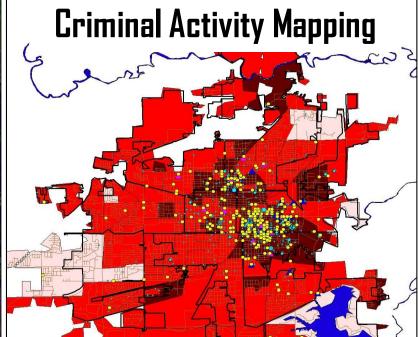


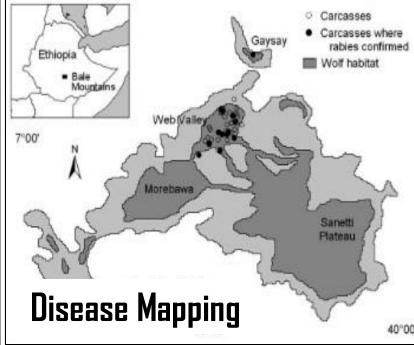
### PRINICPLES OF GIS



A GIS combines many map features to analyze problems for many different jobs.

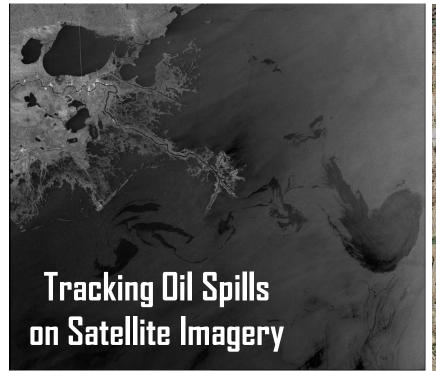


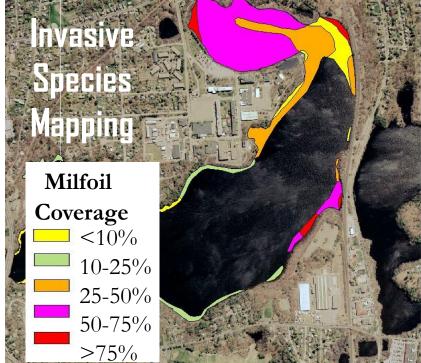




# CARTOGRAPHY & SATELLITE REMOTE SENSING

You will learn how to develop map alternatives to help support and protect society.





## Environmental Studies—Related Employment

Bison Research Technician

Nature Conservancy

Biological/GIS Technician

Colorado State Parks

Marine Scientist

Alpine Ocean Seismic Survey

Fire Data Analyst

Spokane Fire Department

**Wetland Scientist** 

SWCA Environmental Consultants

**Environmetnal Land Use Planner** 

Winona County, MN

Landscape Ecologist

**Environmental Defense Fund** 

Director of Aerial Services

Draper Aden Associates

**Assistant Professor** 

Lake Superior State University

**Applied Limnologist** 

Natural Resources Research Institute

**Ecological Data Specialist** 

Great Basin Institute

**GIS Mapping Specialist** 

LandWorks

**Environmental Protection Specialist** 

US Department of the Interior

**GIS Field Technician** 

**EVARI GIS Consulting** 

**Environmental Scientist** 

Moore Engineering

**Professional Geologist** 

Eco & Associates, CA

Oceanographer

NDAA

Cartographic Technician

National Park Service

Natural Resource Specialist

Army Corps of Engineers

**Environmental Health Specialist** 

Department of Health/Human Services

Storm Water Program Technician

City of Bozeman, MT

Emergency Management Specialist

FEMA

Environmental Lab Technician

AW Research Laboratories

Range Technician

Bureau of Indian Affairs

**Geospatial Data Steward** 

National Geospatial Intelligence Agency

**Environmental Health Specialist** 

Indian Health Service, Bemidji, MN

Disaster Data Analyst

American Red Cross

**GIS** Coordinator

City of Iowa City, IA

# Where can I continue to develop my professional experience after MNC?

Minnesota North College



A.S. ENVIRONMENTAL STUDIES





### University of Minnesota, DULUTH

B.S. Geological Sciences

**B.S. Environmental Science** 

B.A.S. Environmental & Outdoor Education

B.S. Geographic Information Systems (GIS)

B.A. Environment, Sustainability & Geography

### **BEMIDJI State University**

B.S. Geography

B.S. Environmental Studies

-Ecosystems

- Health & Toxicology

\*M.S. Environmental Studies

B.A.S. Natural Resource Management

### Minnesota State University, MANKATO

B.S. Geology

**B.S.** Geography

B.S. Earth Science

B.S. Environmental Science

\*M.S. Environmental Science

B.S. Geographic Information Systems (GIS)



Get involved in Environmental Studies at MNC. Launch a career and get paid to do what you love!





