



# Remote Systems Science and Technology

Remote Systems Science and Technology (RSST) is the application of remote systems in government, industry, and research. Remote systems can include unmanned aerial vehicles (UAVs) and remotely operated vehicles (ROVs). Remote systems can access locations outside the scope of human limitation, including far above tree lines and deep below the surface of water.

## Courses Needed:

- Introduction to Remote Systems Science and Technology (RSST 2010)
- Advanced Remote Systems Science and Technology (RSST 2020)
- Remote Systems Operations, Law, and Policy (RSST 3010)
- Introduction to Geographic Information Systems, lecture and lab (BIOL/ GEOG2030/2031)
- Plus 6 elective hours from your major

## Career Options:

- Search and rescue—allows crews to have eyes on potential survivors after natural disasters sooner
- Wildlife monitoring—allows people to view potentially dangerous wildlife without having to risk safety
- Preservation—allows the documentation and preservation of historic structures and areas without potential human impact
- Aerial photography
- Mapping inaccessible or dangerous locations
- Storm tracking and monitoring

## TOP UAV (DRONE) USES:

- ▶ Infrastructure Inspection and Maintenance
- ▶ Search and Rescue Operations
- ▶ Agriculture and Precision Farming
- ▶ Law Enforcement and Public Safety
- ▶ Aerial Photography and Videography
- ▶ Mapping and Surveying
- ▶ Environmental Monitoring and Conservation
- ▶ Emergency Response and Disaster Management
- ▶ Telecommunications and Power Line Inspection
- ▶ Medical and Cargo Delivery



## FOR MORE INFORMATION

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