INTEGRATED SCIENTIFIC APPLICATIONS

The Programs

The Department of Integrated Scientific Applications offers:

- Earth Science Post-Baccalaureate Certification (https://catalog.millersville.edu/graduate/college-science-technology/integrated-scientific-applications/earth-sciences-post-baccalaureate-certification/)
- Integrated Scientific Applications, M.S. (https://catalog.millersville.edu/graduate/college-science-technology/integrated-scientific-applications/integrated-scientific-applications-ms/)
- Integrated Scientific Applications, M.S. - Climate Science Applications (https://catalog.millersville.edu/graduate/college-science-technology/integrated-scientific-applications/integrated-scientific-applications-ms-climate-science-applications/)
- Integrated Scientific Applications, M.S. - Environmental Systems Management (https://catalog.millersville.edu/graduate/college-science-technology/integrated-scientific-applications/integrated-scientific-applications-ms-environmental-systems-management/)
- Integrated Scientific Applications, M.S. - Geoinformatics (https://catalog.millersville.edu/graduate/college-science-technology/integrated-scientific-applications/integrated-scientific-applications-ms-geoinformatics/)
- Integrated Scientific Applications, M.S. - Space Weather and Environment (https://catalog.millersville.edu/graduate/college-science-technology/integrated-scientific-applications/integrated-scientific-applications-ms-space-weather-environment/)
- Integrated Scientific Applications, M.S. - Weather Intelligence & Risk Management (https://catalog.millersville.edu/graduate/college-science-technology/integrated-scientific-applications/integrated-scientific-applications-ms-weather-intelligence-risk-management/)
- Space Weather and Environment Certificate (https://catalog.millersville.edu/graduate/college-science-technology/integrated-scientific-applications/space-weather-environment-certificate/)

Graduate Faculty

Dr. Sam Earman, Ph.D., New Mexico Institute of Mining and Technology, 2004. Environmental Hydrology.
Ajoy Kumar, Ph.D., Old Dominion University. Physical Oceanography.

ISCA 591: 3 s.h.
Intro Geospatial Info & Tech
Explores the core concepts of geographic information and the tools and technologies employed to access, manipulate, analyze, and display geographic information. Topics include geographic information systems, remote sensing, global positional systems, cartography, spatial science ethics, and crowdsourcing of geographic information. Reserved for Integrated Scientific Applications majors or permission of instructor.

ISCA 679: 1-4 s.h.
Experimental
Experimental Course in Integrated Scientific Applications

ISCA 579: 1-3 s.h.
Experimental
Experimental course number for Integrated Scientific Applications. Topics vary.