

INTEGRATED SCIENTIFIC APPLICATIONS, M.S.

Degree Requirements

The MSISA consists of 30 graduate credits. The professional specializations within the MSISA include Weather Intelligence and Risk Management (WIRM), GeoInformatics (GI), Environmental Systems Management (ESM) and Climate Science Applications (CSA). Visit [mville.us/msisa](http://www.mville.us/msisa/) (<http://www.mville.us/msisa/>) for additional information, or email gradadmissions@millersville.edu.

Climate Science Applications (CSA) Major in Integrated Scientific Applications

Code	Title	Hours
Credits Required for Major		
true		
CORE COURSES		
Business Operations and Analysis		
BUAD 653 at Millersville, EMGT 629 Continuity Planning, or Take BSN 511 at Shippensburg University		
GIS Applications or Information Analysis - Choose 1 of the following: 1-3		
EMGT 633	GIS Applications for Emer Mgmt	
EMGT 691	Ind Std: (Ind Std: Python Int Stds)	
Accounting and Finance		
Take BSN 512 at Shippensburg University or MATH 695 Topics: Financial Math		
Strategic Management/Leadership		
Take BUAD 670 at Millersville or BSN 514 at Shippensburg University		
ECON 507	Environmental Econ and Policy	3
MATH 535	Statistical Methods 1	3
EMGT 693	Field Experience Practicum	3
A Concentration is Required.		
A concentration must be declared with this degree. Options are: Weather Intelligence and Risk Management, Geoinformatics, Climate Science Applications, Environmental Systems Management, or Space Weather Environment		
Total Hours		10-12