

## Course Requirements for MISE master's program

Science Education Core 12 credits	Science Content 6-12 credits	Science Education 0-6 credits	Final 6 credits	
ONLINE:  SCI 6145 Intro to Hist. & Phil. of Sci*  SCI 6155 Sci. Ed: History & Philosophy*  SCI 6165 Cognition & Teaching*  SCI 6260 Science Curriculum	Any 5000-6000 level science course  Up to 6 credits at 3000-4000 level taken at WMU.  Up to 6 credits at the graduate level transferred from another institution.	Any 5000-6000 level courses with any of the following prefixes: BIOS, CHEM, GEOG, GEOS, PHYS, or SCI.  Up to 6 credits at the graduate level transferred from another institution.	6 elective credits (with advisor approval)  Or,  6 credits of SCI 7100 (independent project)  Or,  6 credits of SCI 7000 (thesis)	
			Total:	30 credits

\* The following courses offered as traditional classroom courses at the WMU Main Campus may be used in place of the corresponding online courses:

SCI 6140 Hist/Phil of Science

SCI 6150 Hist/Phil of Sci Ed

SCI 6160 Models of Learning & Teaching