# **GEOPHYSICS M.S.**

### **Admission Requirements**

Complete the following admission requirements:

- Complete a background at least to the level of a B.S. concentration in geology, geophysics or an appropriate physical science or engineering.
- Complete MATH F302
- Recommended: MATH F314, MATH F432, PHYS F220

## **Program Requirements**

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## Minimum Requirements for Geophysics M.S.: 30 credits

**CONCENTRATIONS:** SOLID-EARTH GEOPHYSICS (P. 1), SNOW, ICE AND PERMAFROST GEOPHYSICS (P. 1), REMOTE SENSING GEOPHYSICS (P. 1)

(P. 1), REWOTE 3		
Code	Title	Credits
General University R	equirements	
	te general university requirements. edu/masters/#gurmastersdegreestext)	
Master's Degree Req	uirements	
•	's degree requirements. (https:// ters/#masterofsciencethesis)	
As part of the master following:	's degree requirements, complete the	
GEOS F699	Thesis	6
Complete any deficie	ncies concurrently with this degree.	
Submit a written the	sis proposal and pass an oral	
comprehensive exam	nination centered on this proposal.	
Complete and submidefense of thesis.	t a written thesis and pass an oral	
<b>Geophysics Program</b>	Requirements	
Complete the followi	ng:	
GEOS F631	Foundations of Geophysics	4
GEOS F682	Geoscience Seminar (fall semester)	1
Complete 6 credits from relevant graduate-level courses agreed by the advisory committee or select one from the following concentrations:		
Solid-Earth Geoph	ysics	
Snow, Ice and Per	mafrost Geophysics	
Remote Sensing		
Complete 7 credits of courses approved by the advisory committee		7
Thesis credits or credits from courses that are F400 level or higher. $^{\rm 1}$		
Total Credits		30

<sup>1</sup> The minimum number of credits required is 30. The required M.S. coursework above represents 18 credits. The minimum number of

thesis credits required is 6. The remaining 6 credits can either be thesis credits or courses that are F400 level or higher.

## **Concentrations** SOLID-EARTH GEOPHYSICS

Code	Title	Credits
Solid-Earth Geophysi	cs Concentration Requirements	
Complete 6 credits fro	om the following:	6
GEOS F604	Seismology	
GEOS F605	Geochronology	
GEOS F626	Applied Seismology	
GEOS F669	Geodetic Methods and Modeling	
GEOS F671	Volcano Seismology	
Total Credits		6

### SNOW, ICE AND PERMAFROST GEOPHYSICS

Code	Title	Credits
Snow, Ice and Perma Requirements	frost Geophysics Concentration	
Complete 6 credits fi	om the following:	6
GEOS F615	Sea Ice	
GEOS F616	Permafrost	
GEOS F617	Glaciers	
PHYS F614	Ice Physics	
Total Credits		6

#### **REMOTE SENSING**

Code	Title	Credits		
Remote Sensing Concentration Requirements				
Complete 6 credits fr	om the following:	6		
ATM F613	Atmospheric Radiation			
GEOS F622	Digital Image Processing in the Geosciences			
GEOS F639	InSar and Its Applications			
GEOS F654	Visible and Infrared Remote Sensing			
GEOS F657	Microwave Remote Sensing			
Total Credits		6		