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)

Geophysics Program Requirements
Complete the following:

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 Geophysics
- Snow, Ice and Permafrost 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. 1

Total Credits 30

1 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

Complete 6 credits from the following:

- 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

Complete 6 credits from the following:

- GEOS F615 Sea Ice
- GEOS F616 Permafrost
- GEOS F617 Glaciers
- PHYS F614 Ice Physics

Total Credits 6

REMOTE SENSING

Complete 6 credits from the following:

- 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