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
< Back to Department (http://catalog.uaf.edu/academic-departments/geoscience/)

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOS F699</td>
<td>Thesis</td>
<td>6</td>
</tr>
<tr>
<td>ATM F613</td>
<td>Atmospheric Radiation</td>
<td></td>
</tr>
<tr>
<td>GEOS F622</td>
<td>Digital Image Processing in the Geosciences</td>
<td></td>
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<tr>
<td>GEOS F639</td>
<td>InSar and Its Applications</td>
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</tr>
<tr>
<td>GEOS F654</td>
<td>Visible and Infrared Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>GEOS F657</td>
<td>Microwave Remote Sensing</td>
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Geophysics Program Requirements
Complete the following:

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<tr>
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<tr>
<td>GEOS F631</td>
<td>Foundations of Geophysics</td>
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<td>GEOS F682</td>
<td>Geoscience Seminar (fall semester)</td>
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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

Concentrations
SOLID-EARTH GEOPHYSICS

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<tr>
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<td>GEOS F605</td>
<td>Geochronology</td>
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<tr>
<td>GEOS F626</td>
<td>Applied Seismology</td>
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<tr>
<td>GEOS F669</td>
<td>Geodetic Methods and Modeling</td>
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<tr>
<td>GEOS F671</td>
<td>Volcano Seismology</td>
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Total Credits 6

SNOW, ICE AND PERMAFROST GEOPHYSICS

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<tr>
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<td>Sea Ice</td>
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<td>GEOS F616</td>
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<td>GEOS F617</td>
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<td>PHYS F614</td>
<td>Ice Physics</td>
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Total Credits 6

REMOTE SENSING

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Total Credits 6

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