

Name (please print): \_\_\_\_\_  
(Last) (First) (Middle)

Student Number: \_\_\_\_\_

Primary Major: \_\_\_\_\_ Expected Major Completion Term: \_\_\_\_\_

**Required Courses**

\_\_\_\_\_ UN4000 Remote Sensing Seminar (1)

*Select one of the following two courses:*

\_\_\_\_\_ FW4540 Remote Sensing of the Environment (3)

\_\_\_\_\_ GE4250 Fundamentals of Remote Sensing (3)

**Elective Courses (*Data Analysis and Applications*)***Select 3-6 credits from the following:*

\_\_\_\_\_ CE 3620 Water Resources Eng (4)

\_\_\_\_\_ ENVE 4501 Environ Eng Chem Processes (4)

\_\_\_\_\_ ENVE 4504 Air Quality Engineering &amp; Science (3)

\_\_\_\_\_ ENVE 5515/ENVE/CH 4515 Atmospheric  
Chemistry (3)

\_\_\_\_\_ ENVE/CH 5509 Environ. Organic Chemistry (3)

\_\_\_\_\_ FW 4540 Remote Sensing of the Environment (3)

*Do not select if selected under Required Courses above.*

\_\_\_\_\_ GE 2500 Introduction to Oceanography (3)

\_\_\_\_\_ GE2640/PH2640 Atmospheric Observ &amp; Meteor (3)

\_\_\_\_\_ GE4150 Natural Hazards (3)

\_\_\_\_\_ GE5150 Advanced Natural Hazards (3)

\_\_\_\_\_ PH4640 Intro to Atmospheric Physics (3)

\_\_\_\_\_ UN4000 Remote Sensing Seminar (1)

*1 credit of UN4000 may be used in addition  
to the 1 credit of UN4000 that is required.***Elective Courses (*Data Management*)***Select 3-6 credits from the following:*

\_\_\_\_\_ CS3425 Introduction to Database Systems (3)

\_\_\_\_\_ CS4611 Foundations of Computer Graphics (3)

\_\_\_\_\_ FW3540 Intro to GIS for Natural Resource  
Management (4)

\_\_\_\_\_ FW5411 Applied Regression Analysis (3)

\_\_\_\_\_ FW5550 Geographic Information Systems (4)

\_\_\_\_\_ FW5557 Applied Spatial Statistics (3)

\_\_\_\_\_ GE4670 Aquatic Remote Sensing (3)

\_\_\_\_\_ MA2720 Statistical Methods (4)

\_\_\_\_\_ MA4515 Intro to Partial Diff. Equations (3)

\_\_\_\_\_ MA4610 Numerical Linear Algebra (3)

\_\_\_\_\_ MA4710 Regression Analysis (3)

\_\_\_\_\_ MA5701 Statistical Methods (3)

\_\_\_\_\_ MA5980 Special Topics in Mathematics (3)

**Elective Courses (*Data Acquisition & Processing*)***Select 3-6 credits from the following:*

- \_\_\_\_\_ EE3140 Electromagnetics (3)
- \_\_\_\_\_ EE4252 Digital Signal Processing (4)
- \_\_\_\_\_ EE5500 Statistical Signal Processing (3)
- \_\_\_\_\_ FW5560 Digital Image Processing: A Remote Sensing Perspective (4)
- \_\_\_\_\_ GE4250 Fundamentals of Remote Sensing (3)  
*Do not select if selected under Required Courses*
- \_\_\_\_\_ PH2230 Electronics for Scientists (4)
- \_\_\_\_\_ PH3210 Optics (3)

**Elective Courses****(*Independent Study/Senior Research*)***Select 0-3 credits from the following:*

- \_\_\_\_\_ BL 4000 Research in Biology (3)
- \_\_\_\_\_ CH 4990 Undergrad. Research in Chemistry (3)
- \_\_\_\_\_ CS 4090 Special Topics in CS (3)
- \_\_\_\_\_ EE 4800 Special Topics in EE (3)
- \_\_\_\_\_ ENVE 4510 Baccalaureate Thesis (3)
- \_\_\_\_\_ FW 4500 Independent Study (3)
- \_\_\_\_\_ GE 4960 Independent Geol. Eng. Res. Project (3)
- \_\_\_\_\_ MA 4990 Topics in Mathematics (3)
- \_\_\_\_\_ PH 4080 Senior Research I (3)

Credits Required = 16

Total Credits \_\_\_\_\_

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C:

CE3620 ([ENG3200 or ENG3507] and [MA3710 C or ENVE3502 C or CE3710 C])

CS3425 (CS2311 and CS2321)

CS4611 (CS1141 and CS2321 and MA2330)

EE3140 (PH2200 and MA3160 and [EE2110 or EE2112])

EE4252 (EE3160)

FW3540 (MA2710 C or MA2720 C or MA3710 C or ENVE3502 C)

ENVE4501 ([ENVE3501 or ENVE3503] and ENVE 3502 and [ENG3200 or CH3500 or CH3501])

ENVE4504 (ENVE3501 or ENVE3503)

ENVE5515 (CH3510 or ENVE4501 or ENVE4504)

ENVE5509 (ENVE 4501 or CH 3510)

FW5560 (FW5540)

GE4150 (GE2000 or GE2100)

GE4250 (PH2200 and MA2160)

MA2720 (MA1020 or MA1030)

MA4515 ([MA3520 or MA3521 or MA3530 or MA3560] and MA3160)

MA4610 (MA2320 or MA2321 or MA2330)

MA4710 (MA2710 or MA2720 or MA3710 or MA3715)

PH2230 (PH2200 or PH2260)

PH3210 (PH2400 and [MA3520 or MA3521 or MA3530 C or MA3560])

PH4640 ([PH2200 or PH2260] and [PH1360 or PH2300] and MA3160 and [MA3520 or MA3521 or MA3530 or MA3560])

\_\_\_\_\_  
Student\_\_\_\_\_  
Date\_\_\_\_\_  
Department Advisor\_\_\_\_\_  
Date